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

GIS REGISTRY (Cover Sheet)
Form 4400-280 (R 6/13)

Source Property Information

CLOSURE DATE: 05/12/2014

BRRTS #: 02-63-183796

FID #: 663008390

ACTIVITY NAME: Westby Dry Cleaners

DATCP #:

PROPERTY ADDRESS: 213 Melby Street

PECFA#:

MUNICIPALITY: Westby

PARCEL ID #: 291-00107-000

***WTM COORDINATES:**

X: 450729 Y: 353835

** 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)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

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

  ***(note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*
- [X] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [X] Off-Source Contamination

  ***(note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

Site Specific Obligations:

- [ ] 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)*
  - [X] Direct Contact
  - [ ] Soil to GW Pathway
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

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

Monitoring Wells:

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

(•) Yes ( ) No ( ) N/A

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

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
473 Griffith Ave
Wisconsin Rapids, WI 54494

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Bauman, Regional Director
Telephone 715-421-7800
Fax 715-421-7830

May 12, 2014

Ron Hoff
Vernon County Clerk
Room 108 Courthouse Annex
Viroqua, WI 54665

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Westby Drycleaners, 213 Melby Street, Westby WI
DNR BRRTS Activity #: 02-63-183796

Dear Mr. Hoff:

The Department of Natural Resources (DNR) considers the Westby Drycleaners site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you, future property owners, and occupants of the property 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 any attachments listed at the end of this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The West Central Region (WCR) Closure Committee reviewed the request for closure on January 16, 2014. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on January 22, 2014, and documentation that the conditions in that letter were met was received on May 5, 2014.

This former drycleaner had soil and groundwater contaminated with chlorinated VOCs. Responses include soil excavation and groundwater monitoring. 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 on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- A soil cover must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
- Remaining soil contamination could result in vapor intrusion if future construction activities occur. Vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the DNR agrees that vapor control technologies are not needed.

The DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

GIS Registry

This site will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web) at http://dnr.wi.gov/topic/Brownfields/clean.html, to provide public notice of residual contamination and of any continuing obligations. The site can also be viewed on the Remediation and Redevelopment Sites Map (RRSM), a map view, under the Geographic Information System (GIS) Registry layer, at the same web address.

DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. 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/topic/wells/documents/3300254.pdf.

All site information is also on file at the Wisconsin Rapids DNR office, at 473 Griffith Ave, Wisconsin Rapids WI. This letter and information that was submitted with your closure request application, including any maintenance plan and maps, can be found as a Portable Document Format (PDF) in BRRTS on the Web.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier 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 a soil cover is required, as shown on the attached map (Post Remedial Soil PCE Contamination Map, Figure B.2.b, 10/2/13), unless prior written approval has been obtained from the DNR:

- removal of the existing barrier or cover;
- replacement with another barrier or cover;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- Changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plan are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to:

Department of Natural Resources
Attn: Dave Rozeboom
473 Griffith Ave
Wisconsin Rapids, WI 54494

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)
Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this contaminated property, as shown on the attached map (Groundwater PCE Concentration Map, B.3.b, 7/22/13). If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected property owners and right-of-way holders were notified of the presence of groundwater contamination.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)
Soil contamination remains on this property around the perimeter and at the base of the excavation as indicated on the attached map (Post Remedial Soil PCE Contamination Map, Figure B.2.b, 10/2/13). If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder 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 or right-of-way holder 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. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
The soil cover that exists in the location shown on the attached map (Post Remedial Soil PCE Contamination Map, Figure B.2.b, 10/2/13) shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if the 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. In addition, a cover or barrier for multi-family residential housing use may not be appropriate for use at a single family residence.

The cover approved for this closure was designed to be protective for a commercial or industrial use setting. Before using the property for residential purposes, you must notify the DNR at least 45 days before taking an action, to determine if additional response actions are warranted.

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

The attached maintenance plan and inspection log (DNR form 4400-305) are to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the attached maintenance plan. Submit the inspection log to the DNR only upon request.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
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.

Future Concern: chlorinated VOC's remain in soil around the perimeter and at the base of the excavation, as shown on the attached map (Post Remedial Soil PCE Contamination Map, Figure B.2.b, 10/2/13), at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building if one is built. Therefore, before a building is constructed the property owner must notify the DNR at least 45 days before the change. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and DNR agrees that vapor control technologies are not needed.

In Closing

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- 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,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

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 Dave Rozeboom at (715) 421-7873, or at David.Rozeboom@wi.gov.

Sincerely,

Connie Antonuk

Connie Antonuk, Team Supervisor
West Central Region Remediation & Redevelopment Program

Attachments:

- Groundwater PCE Concentration Map, B.3.b, 7/22/13
- Post Remedial Soil PCE Contamination Map, Figure B.2.b, 10/2/13
- Maintenance plan, Attachment D, 10/2/13
- inspection log, DNR Form 4400-305

The maintenance plan may be seen in Attachment D.

cc: Kevin Nestingen, Braun Intertec

BRAUN
INTERTEC
11001 Hampshire Avenue So.
Minneapolis, MN 55438
PH. (952) 995-2000
FAX (952) 995-2020

GROUNDWATER PCE CONCENTRATION MAP (JULY, 2012)
REMEDIAL ACTION IMPLEMENTATION
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

ESTIMATED EXTENT OF GROUNDWATER CONCENTRATIONS EXCEEDING NR140 PAL

ESTIMATED EXTENT OF GROUNDWATER CONCENTRATIONS EXCEEDING NR140 ES

GROUNDWATER FLOW DIRECTION (LOWER UNIT) ON 7/26/12

APPROXIMATE SITE BOUNDARY

DAVIDSON STREET

WEST STATE STREET

MELBY STREET

CENTRAL COURT

ASPHALT ALLEY

CENTRAL COURT RIGHT OF WAY

42" STORM SEWER

12" SANITARY SEWER

sidewalk

FOOTBALL FIELD

BLDG.

LOADING DOCK

GAR

SHED

HSE

CONC.

204 & 206 MARKET ST.

217 W STATE ST.

219 W STATE ST.

215 W STATE ST.

205 W STATE ST.

203 W STATE ST.

201 W STATE ST.

200 W STATE ST.

204 W STATE ST.

206 W STATE ST.

208 W STATE ST.

210 W STATE ST.

214 W STATE ST.

216 W STATE ST.

103 DAVIDSON ST.

219 MELBY ST.

217 MELBY ST.

216 MELBY ST.

214 MELBY ST.

210 MELBY ST.

208 MELBY ST.

201 MELBY ST.

102 CENTRAL CT.

100 CENTRAL CT.

MW-12	[<0.17]	PZ-12	[43]
MW-10	[110]	MW-9	[8.0]
MW-2	[63]		
MW-5	[140]		
MW-1P	[270]		
MW-1	[500]		
MW-3	[350]		
MW-6	[3.3]		
MW-6	[70]		
MW-4	[480]		
MW-8	[270]		
MW-7	[11]		
PZ-11	[<0.17]	MW-11	[<0.17]

[x.xx] TETRACHLOROETHENE (PCE) CONCENTRATION (ug/L)

[x.xx] ITALICS INDICATE PCE CONCENTRATION EXCEEDING NR140 PAL

[x.xx] BOLD INDICATES PCE CONCENTRATION EXCEEDING NR140 ES

⊕ DENOTES APPROXIMATE LOCATION OF MONITORING WELL

◈ DENOTES APPROXIMATE LOCATION OF PIEZOMETER

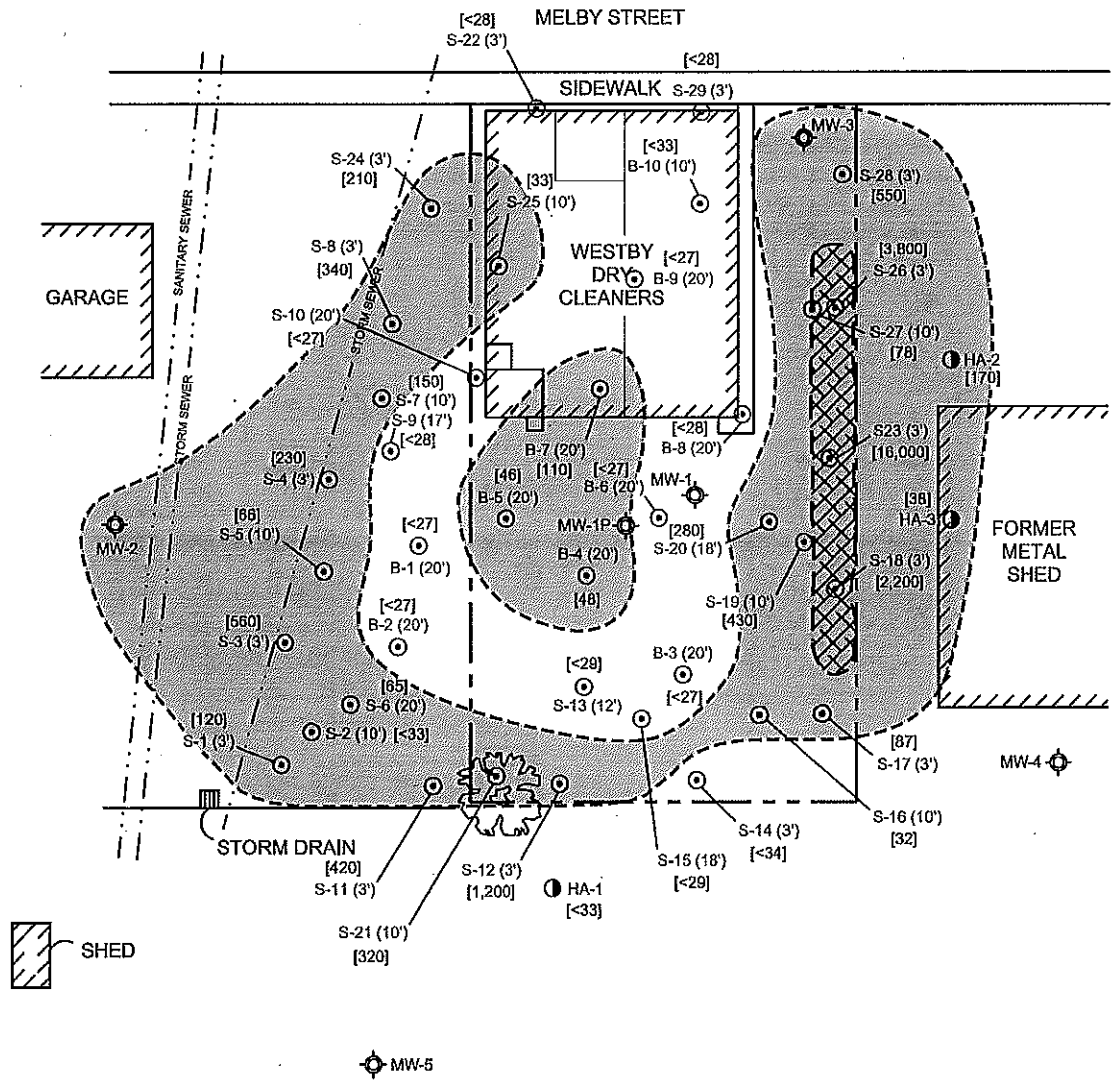
N

50' 0 100'

SCALE: 1" = 100'

Project No:	LC0804945
Drawing No:	LC0804945A
Scale:	1" = 100'
Drawn By:	BJB
Date Drawn:	1/4/10
Checked By:	KDN
Last Modified:	7/22/13
Sheet: of	Fig: B.3.b

F:\LC\2008\LC0804945A.dwg,PCE Con July 2012,8/5/2013 2:43:04 PM



NOTE: SCALE IS APPROXIMATE AND WAS DETERMINED BASED ON A 2006 SITE PLAN PRODUCED BY SHAW ENVIRONMENTAL, INC.

NOTE: SCALE IS APPROXIMATE

[000] SOIL TETRACHLOROETHENE (PCE) CONCENTRATION (µg/kg)

MONITORING WELL LOCATION

HAND AUGER BORING LOCATION

SOIL SAMPLE LOCATION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SOIL SCREENING LEVEL FOR GROUNDWATER PROTECTION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SCREENING LEVEL FOR INGESTION (DIRECT-CONTACT RCL)

Sheet of

Fig: B.2.b

Project No:	LC0804945
Drawing No:	LC0804945
Scale:	1"= 30'±
Drawn By:	JAG
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	10/2/13

POST REMEDIAL SOIL PCE CONTAMINATION MAP

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

BRAUN INTERTEC
11001 Hampshire Avenue So.
Minneapolis, MN 55438
PH. (952) 995-2000
FAX (952) 995-2020

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
473 Griffith Ave
Wisconsin Rapids, WI 54494

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Bauman, Regional Director
Telephone 715-421-7800
Fax 715-421-7830

January 22, 2014

Ron Hoff
Vernon County Clerk
Room 108 Courthouse Annex
Viroqua, WI 54665

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Westby Drycleaners, 213 Melby St., Westby, Wisconsin
DNR BRRTS Activity # 02-63-183796

Dear Mr. Hoff:

On January 16, 2014, the Department of Natural Resources reviewed your request for closure of the case described above. The West Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the chlorinated solvent contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with ch. NR 726, 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 me on Form 3300-005, found at http://dnr.wi.gov/topic/groundwater/forms.html.

PURGE WATER, WASTE AND SOIL PILE REMOVAL
Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with the applicable rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the Bureau for Remediation and Redevelopment Tracking System (BRRTS on the Web). The site may be viewed on the Remediation and Redevelopment Sites Map (RRSM), on the GIS Registry layer. To review the site on BRRTS on the Web, or to view the GIS Registry web page, see http://dnr.wi.gov/topic/Brownfields/rrsm.html.

CONTINUING OBLIGATIONS

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations. The 3' of sand/gravel cover along the eastern property boundary, as shown in the attached figure (B.2.c), is to be maintained to prevent contact with the underlying soil contamination. In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspection will be required to be kept on site.

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- 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,
- if the property owner does not comply with the conditions of closure, with any deed restrictions applied to the property, or with a certificate of completion issued under s. 292.15, Wis. Stats, or
- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-421-7873, or by email at David.Rozeboom@wi.gov.

Sincerely,

Dave Rozeboom
Hydrogeologist
Remediation & Redevelopment Program

Enclosure

cc: Kevin Nestingen, Braun Intertec

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Case Closure – GIS Registry

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Site Information

BRRTS No.	Parcel ID No.		
02-63-183796	291-00107-000		
BRRTS Activity (Site) Name	WTM Coordinates		
	X	Y	
Westby Dry Cleaners	450729	353835	
Street Address	City	State	ZIP Code
213 Melby Street	Westby	WI	54667

Responsible Party (RP) Name			
Vernon County			
Company Name			
Vernon County			
Street Address	City	State	ZIP Code
Room 108 Courthouse Annex	Viroqua	WI	54665
Phone Number	Email		
(608) 637-5380	countyclerk@vernoncounty.org		

☒ Check here if the RP is the owner of the source property.

Environmental Consultant Name			
Kevin Nestingen			
Consulting Firm			
Braun Intertec Corporation			
Street Address	City	State	ZIP Code
2309 Palace Street	La Crosse	WI	54603
Phone Number	Email		
(608) 781-7277	knestingen@braunintertec.com		
Acres Ready For Use			
0.16	Voluntary Party Liability Exemption Site? ○ Yes ◉ No		

Fees and Mailing of Closure Request

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR regional Environmental Program Associate at **http://dnr.wi.gov/topic/Brownfields/Contact.html**. Check all fees that apply:

   ☒ $750 Closure Fee

   ☒ $200 GIS Registry Fee for Soil

   ☒ $250 GIS Registry Fee for Groundwater Lost Well(s)

   Total Amount of Payment $ 1200.00

2. **Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see **http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.**

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

A. **Site Location**: Describe the physical location of the site, both generally and specific to its immediate surroundings.

The Former Westby Dry Cleaners site is located at 213 Melby Street in Westby, Wisconsin. The Vernon County Land Sales Committee has owned the property since foreclosure in 2003. The site investigation and remedial action is being conducted by the Wisconsin Department of Natural Resources (WDNR).

The site is in the SW 1/4 of the NW 1/4, Section 28, Township 14 North, Range 4 West. The site is bordered to the north by Melby Street, to the east by Couleecap (a private, non-profit construction business) and to the west and south by residential properties. The area surrounding the site is characterized as residential and light commercial development.

The site is approximately 0.16 acres in size. Topography at the site is relatively flat, with a slight slope to the southwest where a stormwater inlet is located on the adjacent property. The elevation of the site is approximately 1,287 feet above Mean Sea Level (MSL).

B. **Prior and current site usage**: Specifically describe the current and historic occupancy and types of use.

A dry cleaning business operated at the site from 1953 until the mid-1990s. Currently, the site is a gravel lot with no structures present.

C. Describe how and when site contamination was discovered.

Soil contamination was discovered at the site property in August 1996, with groundwater contamination identified in July 2002. Site investigation activities were performed by Shaw Environmental, Inc. (Shaw) to investigate the extent and magnitude of tetrachloroethene (PCE or PERC) contamination associated with the site.

D. Describe the type(s) and source(s) or suspected source(s) of contamination.

The dry cleaning solvent PCE was the primary contaminant of concern. PCE-impacted soil from historical dry cleaning operations was the suspected source of contamination.

E. Other relevant site description information (or enter Not Applicable).

N/A

F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.

N/A

G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.

No BRRTS activities were identified immediately adjacent to this site.

H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).

Site: B1 - Business District (commercial)
Neighboring properties: mixed (commercial and residential)

Current zoning was based on the 2012 Property Record obtained on the Vernon County GIS web-site.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.

The site property is located in an unglaciated area of southwestern Wisconsin. Soil observed during the site investigation was "predominantly silt within the top 4 to 10 feet below ground surface (bgs), overlying weathered bedrock (silty/sandy clays, silty sands, and fine- to medium-grained sands). More competent bedrock was encountered at depth ranging from 17 to 55 feet bgs. The more competent layer is believed to be sandstone with alternating layers of limestone with chert. Dolomite was encountered in most borings at approximately 85 feet bgs and became very hard at approximately 105 feet bgs" (Shaw, 2006).

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.

Sand and gravel backfill was placed and compacted within the remedial excavation extents.

iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.

The regional bedrock is composed of sedimentary rocks of the Ordovician System, consisting primarily of sandstone and dolomite (Mudrey, Brown and Greenburg, 1982). Bedrock beneath the site is sandstone of the St. Peter formation, overlying the dolomite and sandstone of the Prairie du Chien formation (Hindall and Borman, 1974). The regional surficial geology consists of loess, windblown silts, overlying red clay and residual limestone (Hindall and Borman, 1974).

"More competent bedrock was encountered at depth ranging from 17 to 55 feet bgs. The more competent layer is believed to be sandstone with alternating layers of limestone with chert. Dolomite was encountered in most borings at approximately 85 feet bgs and became very hard at approximately 105 feet bgs" (Shaw, 2006)

iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).

The site was covered with compacted gravel following the remedial excavation in 2009.

B. Groundwater

i. **Discuss depth to groundwater and piezometric elevations**. Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater levels collected during the site investigation identified two separate units at the site. A perched water table was located at approximately 105 feet bgs and appeared to be associated with the dolomite/hard dolomite interface. The lower groundwater unit was located within the hard dolomite bedrock at approximately 150 feet bgs.

In May 2009, water levels collected from the existing monitoring well network indicated there was a less defined lower aquifer present in the monitoring wells. Monitoring wells that previously were screened to intersect the lower aquifer had water level elevations approximately 34 feet higher than the previous water level measurements on June 12, 2006. Monitoring wells that previously were screened to intersect the upper aquifer had water level elevations approximately 7 feet higher. The elevated measurements resulted in the water levels now being above the screened intervals in several monitoring wells.

Groundwater elevations collected on July 26, 2012, indicated the upper water table was present at approximately 101 feet bgs and the lower unit was present at approximately 115 feet bgs in the site vicinity.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

The perched water table may contain a groundwater divide on the northern portion of the site, where groundwater may flow to the north, with groundwater in the central and southern portion of the site flowing to the southeast (Shaw, 2006). The lower groundwater unit appeared to have a southwesterly groundwater flow direction on July 26, 2012.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

In the Site Investigation Report by Shaw Environmental dated September 28, 2006, the calculated horizontal hydraulic gradient for the lower unit averaged 0.0091 ft/ft for the July 12, 2006 groundwater sampling event. Additionally, monitoring well MW-6 and piezometer MW-6P were used to calculate a downward vertical gradient of 8.55 x 10-3 feet/ feet (Shaw, 2006)

iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

According to the Westby Department of Public Works, no municipal or private potable wells are located within a 1,200-foot radius of the site. The closest municipal well to the site is located approximately 1,500 feet to the northwest.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

Soil contamination was discovered at the site property in August 1996, with groundwater contamination identified in July 2002. A former dry cleaning business that operated at the site from 1953 until the mid-1990s was identified as being the cause of PCE contamination.

The Vernon County Land Sales Committee has owned the property since foreclosure in 2003. The site investigation and remedial action is being conducted by the WDNR. Site investigation activities were performed by Shaw Environmental, Inc. (Shaw) to investigate the extent and magnitude of PCE contamination associated with the site.

A site investigation report was submitted by Shaw on September, 28, 2009. During the site investigation, Shaw completed forty-five soil borings, seven test borings, two hand auger borings, ten groundwater monitoring wells, one piezometer and one deep monitoring well. A total of 127 soil samples, two waste characterization samples and nine rounds of groundwater samples were collected for laboratory analysis during site investigation activities (Shaw, 2006).

On April 1, 2009, after obtaining Dry Cleaner Environmental Response Fund (DERF) eligible bids, the WDNR contracted with Braun Intertec to implement and conduct remedial action and additional site monitoring.

Braun Intertec completed the following:

- May 2009: Monitoring well nest MW-11/PZ-11 and MW-12/PZ-12 were installed on off-site properties.
- October-November 2009: Remedial excavation activities were completed to address PCE-impacted soil beneath the site and adjacent property. The first post-excavation groundwater monitoring event was also completed.
- October 2009: Began quarterly post-excavation groundwater monitoring through July 2012. Semi-annual groundwater monitoring summary reports were also submitted during this period.
- January 28, 2010: Submitted Remedial Action Implementation Report

ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.

Residual soil contamination remains at the site property and extends west onto the 217 Melby Street property and east onto the 201 Melby Street property. The approximate vertical extent of residual soil contamination at the unconsolidated deposits/bedrock interface (~35-40 feet bgs max).

Residual groundwater contamination remains at the site property and extends north across Melby Street, south across West State Street, and west and east onto several off-site properties.

iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

None

B. Soil

i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.

Residual PCE-impacted soil exceeding the United States Environmental Protection Agency (U.S. EPA) Generic Soil Screening Level for Groundwater Protection (Groundwater RCL) based on the web calculator is located on the source property and extends west onto the 217 Melby Street property and east onto the 201 Melby Street property.

ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.

Pre-remedial soil sampling results indicated PCE-impacted soil in the upper four feet at the site and adjacent properties to the west and east. The highest PCE concentration of 42,000 µg/kg was detected at boring IGP-1 from 2-4 feet bgs.

The remedial excavation in 2009 was completed to a maximum depth of 20 feet bgs, which removed the mass of impacted soil in the upper four feet of the soil column. Confirmatory sidewall samples collected at 3 feet bgs indicated several locations where residual PCE-impacted soil remained following the excavation. The PCE concentrations were below the U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL) based on the web calculator of 1,230 µg/kg in all the 3 foot confirmation samples except S-18, S-23 and S-26. Each of these sample locations were located on the western extent of the excavation. Hand auger borings HA-2 and HA-3 advanced approximately 20 feet east indicated PCE concentrations of 170 µg/kg and 30 µg/kg, respectively from the 1 to 2 foot and 1 to 1.5 foot intervals.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL) , a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

Chlorinated solvent soil standards were established using WDNR Guidance Document PUB-RR-682, Determining Residual Contaminant Levels Using the EPA Soil Screening Level Web Site. A copy of this guidance document is included in Attachment C.

C. Groundwater

i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

Based on the last round of groundwater monitoring in July 2012, groundwater PCE concentrations exceeding the Wisconsin Administrative Code, Chapter NR140 enforcement standard (ES) is located on the source property and extends north across Melby Street, south across West State Street, and west and east onto several off-site properties.

Groundwater elevations collected on July 26, 2012, indicated the upper water table was present at approximately 101 feet bgs, in the site vicinity and does not intersect building foundation drain systems.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations.

Free product was not encountered during the investigation.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

Vapor monitoring activities were completed to investigate potential vapor intrusion concerns at the 210, 214 and 217 Melby Street and 208 and 210 West State Street properties in Westby, Wisconsin. The work consisted of collecting sub-slab vapor samples (5 samples total) from beneath each residence on December 17, 2013.

ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

WDNR Guidance Document PUB-RR-880, Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (rev. 12/10), states that Wisconsin vapor action levels (VALs) for indoor air exposures are based, in part, upon standard U.S. EPA risk calculation methods. The DNR action levels used were based on the U.S. EPA regional screening level summary table (rev. 5/13).

Additionally, a standard vapor attenuation factor of 0.1 sub-slab vapor to indoor air for residential buildings was used to calculate sub-slab VALs.

PCE was detected in each vapor sample (SS-1 through SS-5) collected at concentrations ranging from 5.61 µg/m³ to 20.1 µg/m³, which is below the U.S. EPA residential sub-slab VAL of 420 µg/m³. Several other VOC compounds including: 2-butanone (MEK), 2-propanol, acetone, carbon disulfide, dichlorodifluoromethane, ethanol, n-heptane and/or toluene were detected in the SS-1 through SS-5 sub-slab vapor samples at concentrations exceeding the laboratory detection limit but below their respective VAL.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

Surface water and sediment was not assessed since the nearest surface water is the North fork of the Bad Axe River located approximately 4,000 feet to the west.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

N/A

4. Remedial Actions Implemented and Residual Levels at Closure

A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

Remedial excavation activities were completed in the fall of 2009 to address PCE-impacted soil beneath the site and adjacent property to the west. Excavation depths were extended to approximately 20 feet bgs in the central portion of the site and to shallower depths as the excavation extended radially outward, with a minimum excavation depth of 4 feet bgs. Approximately 4,205 tons of PCE-impacted soil was excavated and transported to the La Crosse County Sanitary Landfill. Laboratory results of the excavation confirmation samples indicated that PCE-impacted soil exceeded the targeted 100 ppm PCE concentration in several sidewall sample locations along the western, southern and eastern excavation boundaries. The S-12, S-18, S-23 and S-26 sidewall samples had PCE concentrations exceeding 1,000 ppm at 3 feet bgs. All of the base samples collected were below the targeted 100 ppm PCE concentration except for the B-7 sample location at 20 feet bgs (110 ppm). Braun Intertec submitted a Remedial Action Implementation Report dated January 28, 2010.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

N/A

C. Describe the *active* remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

A remedial excavation was completed in the fall of 2008 to address PCE-impacted soil beneath the site and adjacent property to the west. Excavation depths were extended to approximately 20 feet bgs in the central portion of the site and to shallower depths as the excavation extended radially outward, with a minimum excavation depth of 4 feet bgs. Approximately 4,205 tons of PCE-impacted soil was excavated and transported to the La Crosse County Sanitary Landfill.

D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

Residual PCE-impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Groundwater Protection (Groundwater RCL) based on the web calculator is located on the source property and extends west onto the 217 Melby

Street property and east onto the 201 Melby Street property. Residual PCE-impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL) based on the web calculator of 1,230 µg/kg is also located along the eastern site boundary at confirmation sample locations S-18, S-23 and S-26.

Based on the last round of groundwater monitoring in July 2012, groundwater PCE concentrations exceeding the ES is located on the source property and extends north across Melby Street, south across West State Street, and west and east onto several off-site properties.

E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.

Residual PCE-impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL) based on the web calculator of 1,230 µg/kg is located along the eastern site boundary at confirmation sample locations S-18, S-23 and S-26. Each of these sample locations were located on the western sidewall of the excavation at a depth of 3 feet bgs. Hand auger borings HA-2 and HA-3 advanced approximately 20 feet east indicated PCE concentrations of 170 µg/kg and 30 µg/kg, respectively from the 1 to 2 foot and 1 to 1.5 foot intervals.

F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

Residual PCE-impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Groundwater Protection (Groundwater RCL) based on the web calculator is located on the source property and extends west onto the 217 Melby Street property and east onto the 201 Melby Street property.

G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

Remedial excavation activities were completed in 2009 to address PCE-impacted soil beneath the site and adjacent property to the west. Approximately 4,205 tons of PCE-impacted soil was excavated and transported to the La Crosse County Sanitary Landfill.

Laboratory results of the excavation confirmation samples indicated that PCE-impacted soil exceeded the targeted 100 ppm PCE concentration in several sidewall sample locations along the western, southern and eastern excavation boundaries. The S-12, S-18, S-23 and S-26 sidewall samples had PCE concentrations exceeding 1,000 ppm at 3 feet bgs. All of the base samples collected were below the targeted 100 ppm PCE concentration except for the B-7 sample location at 20 feet bgs (110 ppm).

Additional excavation activities were not conducted to remove residual impacted soil due to site constraints to the west and east of the property. The western excavation limit was bounded by a City of Westby storm sewer, with the eastern limit confined by the Couleecap property. Additional hand auger soil sampling results indicated PCE direct-contact exceedances do not exist outside the excavation extents.

The excavation extent was backfilled with compacted sand with a surficial gravel layer on the site. The adjacent property to the west has surficial topsoil with grass and the adjacent property to the east has an asphalt cover. Natural attenuation will be utilized as the long-term groundwater remedy.

H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume).

The vertical and horizontal extent of groundwater contamination exceeding the NR 140 ES is not completely defined. However, the water table well and piezometer located northwest of the site (MW-11/PZ-11) and the water table well located southwest of the site (MW-12) contained groundwater PCE concentrations below the laboratory detection limit.

Three years of quarterly post-excavation groundwater monitoring was conducted at the site. One additional round round was also requested from MW-8, which was sample on December 17, 2013. Groundwater monitoring results indicate a relatively stable or decreasing PCE concentration trend at each monitoring point.

I. Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.

Remedial excavation activities were completed in 2009 to address PCE-impacted soil beneath the site and adjacent property to the west. Approximately 4,205 tons of PCE-impacted soil was excavated and transported to the La Crosse County

Sanitary Landfill.

Laboratory results of the excavation confirmation samples indicated that PCE-impacted soil exceeded the targeted 100 ppm PCE concentration in several sidewall sample locations along the western, southern and eastern excavation boundaries. The S-12, S-18, S-23 and S-26 sidewall samples had PCE concentrations exceeding 1,000 ppm at 3 feet bgs. All of the base samples collected were below the targeted 100 ppm PCE concentration except for the B-7 sample location at 20 feet bgs (110 ppm).

Additional excavation activities were not conducted to remove residual impacted soil due to site constraints to the west and east of the property. The western excavation limit was bounded by a City of Westby storm sewer, with the eastern limit confined by the Couleecap property. Additional hand auger soil sampling results indicated PCE direct-contact exceedances do not exist outside the excavation extents.

The excavation extent was backfilled with compacted sand with a surficial gravel layer on the site. The adjacent property to the west has surficial topsoil with grass and the adjacent property to the east has an asphalt cover. Natural attenuation will be utilized as the long-term groundwater remedy.

J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

None

K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

N/A

L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

U.S. EPA residential sub-slab VALs were not exceeded in the sub-slab vapor samples collected at the 210, 214 and 217 Melby Street and 208 and 210 West State Street properties.

M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

N/A

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: Maintenance Plans and GIS Registry	Maintenance Plan (s) Required in Attachment D	GIS Registry Listing
	A. On-Site	B. Off-Site			
i.	☒	☐	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	☐	☐	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	☐	☐	Vapor Mitigation - post closure passive system	✓	✓
iv.	☐	☐	Vapor Mitigation - post closure active system	✓	✓
v.	☐	☒	None of the above scenarios apply to this case closure	NA	NA

6. Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: GIS Registry Only	GIS Registry Listing
	A. On-Site	B. Off-Site		
i.	☒	☒	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	☒	☒	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	☐	☐	Monitoring wells: lost, transferred or remaining in use	✓
iv.	☐	☐	Structural Impediment (not as a performance standard)	✓
v.	☐	☐	Residual soil contamination remaining at ch. NR 720 Industrial Use levels	✓
vi.	☐	☐	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	☐	☐	None of the above scenarios apply to this case closure	NA

7. Underground Storage Tanks

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ○ Yes ◉ No

B. Do any upgraded tanks meeting the requirements of ch. SPS 310, Wis. Adm. Code, exist on the property? ○ Yes ○ No

C. If the answer to question 7b is yes, is the leak detection system currently being monitored? ○ Yes ○ No

Data Tables (Attachment A)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use **bold font** for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.

A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates - prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).

A.5. **Vapor Analytical Table**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample

results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.6. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.

A.7. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.8. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

B.1.a. **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 impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.1.c. **RR Site Map:** From RR Sites Map (http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

B.2.a. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.2.b. **Post-remedial Soil Contamination :** Figure(s) showing the sample location of all post-remedial, unsaturated 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.2.c. **Pre/Post Remaining Soil Contamination:** Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and direction of groundwater flow based on the most recent sampling data.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been previously abandoned.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway, in relation to remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

B.4.b. **Other media of concern (e.g., sediment or surface water**): Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been previously submitted.

C.2. **Investigative waste** disposal documentation.

C.3. **NR 720.19 analysis**, assumptions and calculations for site specific RCLs (SSRCLs) , with justification, including EPA Soil Screening Level Model Calculations and results.

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment upon receiving conditional closure.

C.6. **Photos. F**or sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.

C.7. **Other**. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

D.1. **Location map(s)** which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.

D.2. **Brief descriptions** of the type, depth and location of residual contamination.

D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter.

D.5. **Contact information,** including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B: http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

○ No monitoring wells were required as part of this response action.

◉ All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site

○ ***Select One or More:***

☐ Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.

☐ One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s) the well(s) will remain in use.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- A model "template letter" for these mandatory notifications can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.	☐	☒	☒	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	☐	☐	☒	Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.	☐	☐	☐	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	☐	☐	☐	Industrial land use soil standards were used for the clean-up standard.
5.	☐	☐	☐	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	☐	☐	☐	Vapor assessment needed if use changes.
7.	☐	☐	☐	Structural impediment.
8.	☐	☐	☐	Lost, transferred or open monitoring wells.
9.	☒	☐	☐	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, 25 (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

G.1. **Deeds - Source Property and Other Impacted Properties:** The most recent deed with legal descriptions clearly labeled for (1) the **Source Property** (where the contamination originated) and (2) all **off-source** (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.

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.*

G.2. ***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)).

G.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

G.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct signature block below for this case closure request, and have the proper environmental professional(s) sign this document, in accordance with the ch. NR 700 Wis. Adm. Code rule series. Both boxes may be checked if applicable to this case closure.

☒ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies). In this situation, the closure request must be prepared by, or under the supervision of, a professional engineer and a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code. Include both signatures provided below with the submittal.

☒ The response action(s) for this site addresses media other than groundwater. In this situation, the case closure request must be prepared by, or under the supervision of, a professional engineer, as defined in ch. NR 712, Wis. Adm. Code. The "engineering certification" language below, at a minimum, must be signed.

Engineering Certification

I Christopher D. McElligott hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to obtain data, develop conclusions, recommendations and prepare submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Christopher D. McElligott	Sr. Engineer		
Printed Name	Title		
Christopher D. McElligott	9/3/13	#29198	
Signature	Date	P.E. Stamp and Number	

CHRIS D McELLIGOTT 29198 BLOOMINGTON, MN

Hydrogeologist Certification

I Kelton Barr hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to address groundwater contamination including obtaining data, developing conclusions, recommendations and preparing submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Kelton Barr	Principal Hydrogeologist	
Printed Name	Title	
	9/4/13	
Signature	Date	

WISCONSIN KELTON D. BARR, PG 1078-013 MINNEAPOLIS, MN PROFESSIONAL GEOLOGIST

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.1.
MW-1 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
7/2/2002	<10	<13	<28	<32.4	**43**	<15	<11	*15*	<12	<2.4	NA	<12	<13	<11	<9.2	<11	<14	<14	NA	<9.2	<7.8	<6.8	<13	<5.0	<5.0	<5.0
10/21/2002	<5.3	<8.4	<18.3	<13.3	**910**	**14**	<5.6	*16*	<8.0	<1.1	NA	<4.7	<7.7	<2.3	<6.2	<4.5	<2.7	<5.7	<7.9	<6.6	<5.8	<9.5	NA	<10	<10	<10
3/10/2004	<0.11	<0.14	<0.35	<0.27	**1,300**	**13**	<0.17	*16*	0.55	<0.10	NA	0.16	<0.20	*0.28*	<0.13	*0.89*	<0.19	<0.26	<0.14	<0.11	<0.14	<0.13	<0.14	NA	NA	NA
6/4/2004	<12	<20	<39	<26	**1,300**	<12	<24	*14*	<11	<16	NA	<10	<17	<19	<16	<12	<12	<15	<17	<12	<12	<17	<15	NA	NA	NA
9/2/2004	<26	<34	<89	<70	**940**	<25	<41	<40	<35	<11	NA	<43	<36	<32	<33	<30	<24	<18	<32	<36	<30	<34	<38	NA	NA	NA
2/21/2005	<26	<34	<89	<70	**1,100**	<25	<41	<40	<35	<11	<56	<43	<36	<32	<33	<30	<24	<18	<32	<36	<30	<34	<38	NA	NA	NA
1/19/2006	<18	<21	<60	<44	**1,200**	<19	<20	<18	<18	<20	<52	<25	<32	<20	<22	<23	<20	<16	<22	<19	<23	<22	<17	<0.50	<0.50	1.0
4/28/2006	<18	<18	<49	<36	**950**	<21	<19	<20	<17	<17	<100	<18	<17	<20	<21	<17	<14	<17	<18	<16	<18	<19	<34	<0.40	<0.005	0.87
7/13/2006	<19	<19	<53	<47	**940**	<30	<15	<19	<17	<20	<100	<36	<32	<17	<30	<21	<20	<17	<35	<18	<18	<19	<17	<40	<0.50	0.76
10/27/2009	<5.0	<5.0	<5.0	<4.0	**590**	*4.3*	<5.0	<5.0	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	NA	NA	NA
1/13/2010	<5.0	<5.0	<5.0	<4.0	**540**	*4.7*	<5.0	<5.0	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	NA	NA	NA
4/21/2010	<5.0	<5.0	<5.0	<4.0	**830**	**8.6**	<5.0	6.3	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	NA	NA	NA
7/21/2010	<5.0	<5.0	<5.0	<4.0	**480**	**5.3**	<5.0	6.3	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	See Table 18		
10/21/2010	<5.0	<5.0	<5.0	<4.0	**1,000**	**7.2**	<5.0	<5.0	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	NA	NA	NA
1/19/2011	<8.0	<8.0	<8.0	<6.4	**820**	**5.4**	<8.0	<8.0	<8.0	<3.2	NA	<16	<4.0	<3.2	<4.0	<3.2	<4.8	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	NA	NA	NA
4/28/2011	<5.0	<5.0	<5.0	<4.0	**750**	*3.9*	<5.0	<5.0	<5.0	<2.0	NA	<10	<2.5	<2.0	<2.5	<2.0	<3.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	NA	NA	NA
7/27/2011	<2.0	<2.0	<2.0	<1.6	**280**	*1.8*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	See Table 18		
10/19/2011	<2.0	<2.0	<2.0	<1.6	**480**	*3.6*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	NA	NA	NA
1/18/2012	<2.5	<2.5	<2.5	<2.0	**630**	*3.9*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.3	<1.0	<1.3	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**700**	*4.3*	<0.29	1.9	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**500**	*2.0*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.2.
MW-1P Groundwater Analytical Results
(concentrations are in µg/L)

Date	Benzene	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Naphthalene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	1,1,2-Trichloroethane	Ethane	Ethene	Methane
NR140 ES[1]	5	700	1,000	10,000	480	100	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	5	NS	NS	NS
NR 140 PAL[2]	0.5	140	200	1,000	96	10	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	0.5	NS	NS	NS
4/28/2006	ND	<1.9	<1.9	<5.3	<4.7	ND	**140**	<3.0	<1.5	2.9	<1.7	<2.0	<10	<3.6	<3.2	<1.7	<3.0	<2.1	<2.0	<1.7	<3.5	<1.8	<2.8	<1.9	<1.7	ND	0.68	<0.005	2.8
7/12/2006	ND	<1.9	<1.9	<5.3	<4.7	ND	**490**	**5.7**	<1.5	5.8	<1.7	<2.0	<10	<3.6	<3.2	<1.7	<3.0	<2.1	<2.0	<1.7	<3.5	<1.8	<2.8	<1.9	<1.7	ND	<40	<0.50	3.2
10/27/2009	ND	<0.50	<0.50	<0.50	<0.40	ND	**290**	*3.0*	<0.50	2.6	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	NA	NA	NA
1/13/2010	ND	<2.5	<2.5	<2.5	<2.0	ND	**250**	*1.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
4/21/2010	ND	<2.5	<2.5	<2.5	<2.0	ND	**330**	*2.5*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
7/21/2010	ND	<2.5	<2.5	<2.5	<2.0	ND	**300**	*2.1*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	See Table 18		
10/21/2010	ND	<2.5	<2.5	<2.5	<2.0	ND	**230**	*2.0*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
1/19/2011	ND	<2.0	<2.0	<2.0	<1.6	ND	**210**	*1.5*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	ND	NA	NA	NA
4/28/2011	ND	<2.0	<2.0	<2.0	<1.6	ND	**220**	*1.5*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	ND	NA	NA	NA
7/27/2011	ND	<2.0	<2.0	<2.0	<1.6	ND	**640**	*2.4*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	ND	See Table 18		
10/19/2011	ND	<2.0	<2.0	<2.0	<1.6	ND	**300**	*2.0*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	ND	NA	NA	NA
1/18/2012	*1.6*	<2.0	3.1	<2.0	0.95	1.6	**230**	*1.6*	<2.0	2.2	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	ND	NA	NA	NA
4/10/2012	<0.12	<0.14	<0.15	<0.30	<0.45	<0.24	**320**	*1.7*	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	*3.9*	NA	NA	NA
7/27/2012	<0.074	<0.13	<0.11	<0.068	<0.32	<0.16	**270**	*1.6*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	<0.28	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.3.
MW-2 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
3/10/2004	<0.11	<0.14	<0.35	<0.27	**560**	*0.85*	<0.17	<0.22	<0.16	<0.10	NA	0.16	<0.20	<0.11	<0.13	<0.16	<0.19	<0.26	<0.14	<0.11	<0.14	<0.13	<0.14	NA	NA	NA
6/4/2004	<7.3	<8.4	<18.8	<14.3	**520**	<8.0	<7.3	<5.8	<6.7	<6.2	NA	<7.0	<7.7	<6.4	<7.1	<8.8	<5.6	<6.9	<7.6	<7.7	<7.2	<7.7	<8.0	NA	NA	NA
9/2/2004	<13	<17	<44	<35	**480**	<12	<21	<20	<17	<5.3	NA	<21	<18	<16	<16	<15	<12	<8.9	<16	<18	<15	<17	<19	NA	NA	NA
2/21/2005	<13	<17	<44	<35	**460**	<12	<21	<20	<17	<5.3	<28	<21	<18	<16	<16	<15	<12	<8.9	<16	<18	<15	<17	<19	NA	NA	NA
1/19/2006	<4.4	<5.2	<14.8	<11.1	**270**	<4.7	<5.1	<4.5	<4.4	<4.9	<13	<6.2	<7.9	<4.9	<5.6	<5.8	<5.0	<3.9	<5.6	<4.6	<5.8	<5.5	<4.3	<0.50	<0.50	0.93
4/28/2006	<4.4	<4.4	<12.4	<9.0	**400**	<5.3	<4.8	<5.1	<4.2	<4.1	<25	<4.6	<4.3	<5.0	<5.3	<4.2	<3.6	<4.3	<4.5	<4.1	<4.6	<4.8	<8.5	<0.40	<0.005	0.31
7/13/2006	<4.8	<4.8	<13.2	<11.9	**370**	<7.4	<3.8	<4.8	<4.2	<4.9	<25	<9.0	<7.9	<4.3	<7.4	<5.2	<5.0	<4.2	<8.7	<4.5	<7.0	<4.7	<4.2	<40	<0.50	<0.25
10/29/2009	<0.50	<0.50	<0.50	<0.40	**130**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<1.0	<1.0	<1.0	<0.80	**90**	<0.40	<1.0	<1.0	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
4/21/2010	<0.50	<0.50	<0.50	<0.40	**140**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/21/2010	<1.0	<1.0	<1.0	<0.80	**120**	<0.40	<1.0	<1.0	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	**96**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	**53**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/28/2011	<0.50	<0.50	<0.50	<0.40	**52**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	**23**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/19/2011	<0.50	<0.50	<0.50	<0.40	**21**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	**36**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	*0.37*	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**43**	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**63**	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.4.
MW-3 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	1,1,2-Trichloroethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	5	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	0.5	NS	NS	NS
3/10/2004	0.19	0.38	<0.35	0.16	**600**	**7.7**	<0.17	*13*	0.40	<0.10	NA	0.17	<0.20	<0.11	<0.13	<0.16	<0.19	<0.26	<0.14	<0.11	<0.14	<0.13	<0.14	ND	NA	NA	NA
6/4/2004	<7.3	<8.4	<18.8	<14.3	**560**	**9.7**	<7.3	*11*	<6.7	<6.2	NA	<7.0	<7.7	<6.4	<7.1	<8.8	<5.6	<6.9	<7.6	<7.7	<7.2	<7.7	<8.0	ND	NA	NA	NA
9/2/2004	<13	<17	<44	<35	**560**	<12	<21	<20	<17	<5.3	NA	<21	<18	<16	<16	<15	<12	<8.9	<16	<18	<15	<17	<19	ND	NA	NA	NA
2/21/2005	<13	<17	<44	<35	**470**	<12	<21	<20	<17	<5.3	<28	<21	<18	<16	<16	<15	<12	<8.9	<16	<18	<15	<17	<19	ND	NA	NA	NA
1/19/2006	<8.8	<10	<29	<22	**530**	<9.3	<10	<9.0	<8.8	<9.9	<26	<12	<16	<9.8	<11	<12	<10	<7.9	<11	<9.3	<12	<11	<8.6	ND	<0.50	<0.50	0.82
4/28/2006	<8.8	<8.9	<25.2	<18	**520**	<11	<9.6	<10	<8.5	<8.3	<50	<9.2	<8.6	<10	<11	<8.4	<7.2	<8.6	<9.1	<8.2	<9.2	<9.7	<17	ND	<0.40	<0.005	14
7/13/2006	<9.6	<9.6	<26.6	<24.2	**580**	<15	<7.6	<9.5	<8.5	<9.8	<50	<18	<16	<8.6	<15	<10	<10	<8.4	<17	<9.0	<14	<9.4	<8.3	ND	<40	<0.50	0.8
10/27/2009	<0.50	<0.50	<0.50	<0.40	**280**	*1.4*	<0.50	0.61	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	NA	NA	NA
1/13/2010	<2.5	<2.5	<2.5	<2.0	**320**	*1.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
4/21/2010	<2.5	<2.5	<2.5	<2.0	**380**	*2.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
7/21/2010	<2.5	<2.5	<2.5	<2.0	**310**	*2.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	See Table 18		
10/21/2010	<2.5	<2.5	<2.5	<2.0	**210**	<1.0	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	ND	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	**170**	0.42	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	NA	NA	NA
4/28/2011	<1.0	<1.0	<1.0	<0.80	**150**	<0.40	<1.0	<1.0	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.40	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	ND	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	**100**	<0.20	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	See Table 18		
10/19/2011	<0.50	<0.50	<0.50	<0.40	**120**	<0.20	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	**170**	0.28	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	ND	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**350**	*0.86*	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	**5.3**	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**350**	*0.89*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	<0.28	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.5.
MW-4 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
6/4/2004	<11	<16	<32	<21.8	**590**	<9.4	<19	*11*	<8.6	<13	NA	<8.2	<14	<15	<13	<9.8	<9.7	<12	<14	<9.8	<9.2	<14	<12	NA	NA	NA
9/2/2004	<21	<27	<70	<55	**590**	<20	<33	<32	<28	<8.5	NA	<34	<29	<26	<26	<24	<19	<14	<26	<29	<24	<27	<31	NA	NA	NA
2/21/2005	<13	<17	<44	<35	**540**	<12	<21	<20	<17	<5.3	<28	<21	<18	<16	<16	<15	<12	<8.9	<16	<18	<15	<17	<19	NA	NA	NA
1/19/2006	<8.8	<10	<29	<22	**430**	<9.3	<10	<9.0	<8.8	<9.9	<26	<12	<16	<9.8	<11	<12	<10	<7.9	<11	<9.3	<12	<11	<8.6	<0.50	<0.50	1.8
4/28/2006	<7.0	<7.1	<19.5	<14.3	**420**	<8.4	<7.6	<8.1	<6.8	<6.6	<40	<7.3	<6.9	<8.0	<8.4	<6.7	<5.7	<6.8	<7.2	<6.5	<7.4	<7.7	<14	<0.40	<0.005	1.4
7/13/2006	<7.7	<7.6	<21.1	<18.6	**390**	<12	<6.0	<7.6	<6.8	<7.8	<40	<14	<13	<6.8	<12	<8.2	<8.0	<6.7	<14	<7.2	<11	<7.5	<6.6	<40	<0.50	0.7
10/29/2009	<2.5	<2.5	<2.5	<2.0	**290**	*2.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
1/13/2010	<2.5	<2.5	<2.5	<2.0	**330**	*2.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
4/21/2010	<2.5	<2.5	<2.5	<2.0	**330**	*3.0*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
7/21/2010	<2.5	<2.5	<2.5	<2.0	**300**	*3.1*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	See Table 18		
10/21/2010	<2.5	<2.5	<2.5	<2.0	**350**	*3.3*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.2	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
1/19/2011	<2.5	<2.5	<2.5	<2.0	**440**	*3.9*	<2.5	2.6	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.3	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
4/28/2011	<2.5	<2.5	<2.5	<2.0	**410**	*3.6*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.3	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
7/27/2011	<2.5	<2.5	<2.5	<2.0	**450**	*3.5*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.3	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	See Table 18		
10/19/2011	<2.5	<2.5	<2.5	<2.0	**360**	*2.8*	<2.5	<2.5	<2.5	<1.0	NA	<5.0	<1.2	<1.0	<1.3	<1.0	<1.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	NA	NA	NA
1/17/2012	<2.0	<2.0	<2.0	<1.6	**360**	*2.5*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**480**	*3.5*	<0.29	2.1	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**480**	*3.3*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.6.
MW-5 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
6/4/2004	<3.6	<4.2	<9.6	<7.1	**340**	*4.1*	<3.8	3.3	<3.4	<3.1	NA	<3.5	<3.8	<3.2	<3.6	<4.4	<2.8	<3.4	<3.8	<3.9	<3.6	<3.8	<4.0	NA	NA	NA
9/2/2004	<6.5	<8.4	<21.7	<17.4	**330**	<6.2	<10	<10	<8.7	<2.7	NA	<11	<9.1	<8.0	<8.2	<7.4	<5.9	<4.5	<8.0	<9.1	<7.6	<8.4	<9.6	NA	NA	NA
2/21/2005	<6.5	<8.4	<21.7	<17.4	**190**	<6.2	<10	<10	<8.7	<9.8	<14	<11	<9.1	<8.0	<8.2	<7.4	<5.9	<4.5	<8.0	<9.1	<7.6	<8.4	<9.6	NA	NA	NA
1/19/2006	<0.88	<1.0	<2.9	<2.2	**72**	<0.93	<1.0	<0.90	<0.88	<0.99	<2.6	<1.2	<1.6	<0.98	<1.1	<1.0	<1.1	<0.79	<1.1	<0.93	<1.2	<1.1	<0.86	<0.50	<0.50	<0.50
4/27/2006	<0.88	<0.89	<2.52	<1.80	**35**	<1.1	<1.0	<1.0	<0.85	<0.83	6.5	*0.92*	<0.86	<1.0	<1.1	<0.84	*0.80*	<0.86	<0.91	<0.82	<0.92	<0.97	<1.7	<0.40	<0.005	1.4
7/12/2006	<0.96	<0.96	<2.66	<2.42	**40**	*1.5*	<0.76	<0.95	<0.85	<0.98	<0.95	<1.8	<1.6	<0.86	<1.5	<1.0	<1.0	<0.84	<1.7	<0.90	<1.4	<0.94	<0.83	<40	<0.50	2.6
10/30/2009	<1.0	<1.0	<1.0	<0.80	**210**	*2.1*	<1.0	2.5	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
1/13/2010	<2.0	<2.0	<2.0	<1.6	**170**	*1.8*	<2.0	2.3	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	NA	NA	NA
4/21/2010	<1.0	<1.0	<1.0	<0.80	**240**	*1.9*	<1.0	1.3	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
7/21/2010	<2.0	<2.0	<2.0	<1.6	**210**	*1.6*	<2.0	<2.0	<2.0	<0.80	NA	<4.0	<1.0	<0.80	<1.0	<0.80	<1.2	<2.0	<2.0	<0.80	<0.80	<2.0	<2.0	See Table 18		
10/20/2010	<1.0	<1.0	<1.0	<0.80	**170**	*1.5*	<1.0	1.3	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	**150**	*1.4*	<0.50	0.74	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/28/2011	<0.50	<0.50	<0.50	<0.40	**100**	*0.84*	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	**110**	*0.85*	<0.50	<1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	**96**	*1.3*	<0.50	0.90	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	**100**	*1.6*	<0.50	1.2	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**97**	*1.5*	<0.29	1.3	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**140**	*1.3*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.7.
MW-6 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
6/4/2004	<0.91	1.0	<2.45	<1.79	**79**	*1.7*	*1.2*	1.9	1.7	**1.9**	NA	*1.2*	<0.96	<0.80	<0.89	<1.1	*1.6*	1.4	<0.95	<0.97	<0.91	<0.96	<1.0	NA	NA	NA
9/2/2004	<2.1	<2.7	<7.0	<5.5	**88**	<2.0	<3.3	<3.2	<2.8	<0.85	NA	<3.4	<2.9	<2.6	<2.6	<2.4	<1.9	<1.4	<2.6	<2.9	<2.4	<2.7	<3.1	NA	NA	NA
2/21/2005	<2.1	<2.7	<7.0	<5.5	**92**	<2.0	<3.3	<3.2	<2.8	<0.85	<4.5	<3.4	<2.9	<2.6	<2.6	<2.4	<1.9	<1.4	<2.6	<2.9	<2.4	<2.7	<3.1	NA	NA	NA
1/19/2006	<0.44	<0.52	<1.48	<1.11	**24**	<0.47	<0.51	<0.45	<0.44	<0.49	<1.3	<0.62	<0.79	<0.49	<0.56	<0.58	<0.50	<0.39	<0.56	<0.46	<0.58	<0.55	<0.43	<0.50	<0.50	0.68
4/27/2006	<0.35	<0.35	<0.99	<0.72	**400**	<0.42	<0.41	<0.40	<0.34	<0.33	4.9	<0.37	<0.34	<0.40	<0.42	<0.34	<0.29	<0.34	<0.36	<0.33	<0.37	<0.39	<0.68	<0.40	<0.005	2.3
7/12/2006	<0.35	<0.35	<0.99	<0.72	**14**	<0.42	<0.41	<0.40	<0.34	<0.33	<2.0	<0.37	<0.34	<0.40	<0.42	<0.34	*0.48*	<0.34	<0.36	<0.33	<0.37	<0.39	<0.68	<40	0.5	2.7
10/28/2009	<0.50	<0.50	<0.50	<0.40	**54**	*0.76*	<0.50	0.76	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	**24**	0.44	<0.50	0.58	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	**68**	*0.67*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	**60**	*0.56*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	**39**	0.43	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	**33**	*0.50*	<0.50	0.69	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	**44**	0.46	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	**43**	0.44	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	**39**	*0.67*	<0.50	0.73	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	**28**	*0.82*	<0.50	1.5	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**49**	0.48	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**70**	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.8.
MW-6A Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
6/4/2004	<0.73	<0.84	5.9	75	*3.1*	*1.1*	*1.3*	<0.58	1.1	**1.2**	NA	<0.70	<0.77	<0.64	1.0	<0.88	*0.66*	2.6	1.1	2.0	0.94	6.6	1.4	NA	NA	NA
9/2/2004	<0.26	<0.34	0.62	14.3	*1.7*	<0.25	<0.41	<0.40	<0.35	<0.11	NA	<0.43	<0.36	<0.32	<0.33	<0.30	<0.24	<0.18	<0.32	<0.36	<0.30	1.0	<0.15	NA	NA	NA
2/21/2005	<0.26	<0.34	<0.62	<0.70	*1.3*	<0.25	<0.41	<0.40	<0.35	<0.11	<0.56	<0.43	<0.36	<0.32	<0.33	<0.30	<0.24	<0.18	<0.32	<0.36	<0.30	<0.34	<0.38	NA	NA	NA
1/19/2006	<0.18	<0.21	<0.60	0.7	*1.4*	<0.19	<0.20	<0.18	<0.18	<0.20	<0.52	<0.25	<0.32	<0.20	<0.22	<0.23	<0.20	<0.16	<0.22	<0.19	<0.23	<0.22	<0.17	<0.50	<0.50	<0.50
4/27/2006	<0.18	<0.18	<0.49	0.22	*1.9*	<0.21	<0.21	<0.20	<0.17	<0.17	19	<0.18	<0.17	<0.20	<0.21	<0.17	*0.82*	<0.17	<0.18	<0.16	<0.18	<0.19	<0.34	<0.40	<0.005	2.8
7/12/2006	<0.18	<0.18	<0.49	<0.36	*1.9*	<0.21	<0.19	<0.20	<0.17	<0.17	<1.0	<0.18	<0.17	<0.20	<0.21	<0.17	*0.35*	<0.17	<0.18	<0.16	<0.18	<0.19	<0.34	<40	<0.50	<0.25
10/28/2009	<0.50	<0.50	<0.50	<0.40	*1.9*	0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	*1.7*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	*4.5*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	*3.5*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	*3.0*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	*2.7*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	*2.3*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	*2.4*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	*1.8*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	*1.7*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	*2.1*	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	*2.9*	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.9.
MW-7 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
1/19/2006	<0.88	<1.0	<2.9	2.5	**54**	<0.93	<1.0	<0.90	<0.88	<0.99	<2.6	<1.2	<1.6	<0.98	<1.1	<1.2	<1.0	<0.79	<1.1	<0.93	<1.2	<1.1	<0.86	<0.50	<0.50	<0.50
4/27/2006	<0.88	<0.89	<2.52	<1.80	**71**	<1.1	<0.96	<1.0	<0.85	<0.83	6.4	*1.0*	<0.86	<1.0	<1.1	<0.84	<0.72	<0.86	<0.91	<0.82	<0.92	<0.97	<1.7	<0.40	<0.005	0.26
7/12/2006	<0.88	<0.89	<2.52	<1.80	**60**	<1.1	<0.96	<1.0	<0.85	<0.83	<5.0	<0.92	<0.86	<1.0	<1.1	<0.84	<0.72	<0.86	<0.91	<0.82	<0.92	<0.97	<1.7	<40	<0.50	0.53
10/30/2009	<0.50	<0.50	<0.50	<0.40	**19**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	**25**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/21/2010	<0.50	<0.50	<0.50	<0.40	**32**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/21/2010	<0.50	<0.50	<0.50	<0.40	**41**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/21/2010	<0.50	<0.50	<0.50	<0.40	*4.8*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	*2.3*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/28/2011	<0.50	<0.50	<0.50	<0.40	*3.5*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/28/2011	<0.50	<0.50	<0.50	<0.40	*3.9*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/19/2011	<0.50	<0.50	<0.50	<0.40	*2.8*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	*4.1*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**6.7**	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/26/2012	<0.13	<0.11	<0.068	<0.32	**11**	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.10.
MW-8 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
1/19/2006	<0.44	<0.52	<1.48	<1.11	**27**	<0.47	<0.51	<0.45	<0.44	<0.49	<1.3	<0.62	<0.79	<0.49	<0.56	<0.58	<0.50	<0.39	<0.56	<0.46	<0.58	<0.55	<0.43	<0.50	<0.50	0.91
4/27/2006	<0.35	<0.35	<0.99	<0.72	**41**	<0.42	<0.38	<0.40	<0.34	<0.33	4.0	<0.37	<0.34	<0.40	<0.42	<0.34	<0.29	<0.41	<0.36	<0.37	<0.37	<0.39	<0.68	<0.40	<0.005	0.92
7/12/2006	<0.18	<0.18	<0.49	<0.36	**8.7**	<0.21	<0.19	<0.20	<0.17	<0.17	<1.0	<0.18.	<0.17	<0.20	<0.21	<0.17	*0.5*	<0.17	<0.18	<0.16	<0.18	<0.19	<0.34	<40	<0.50	2.10
11/2/2009	<0.50	<0.50	<0.50	<0.40	**69**	*0.68*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/21/2010	<0.50	<0.50	<0.50	<0.40	**80**	*0.72*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/21/2010	<0.50	<0.50	<0.50	<0.40	**100**	*0.97*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	**82**	*0.73*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	**140**	*1.4*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/28/2011	<1.0	<1.0	<1.0	<0.80	**130**	*1.5*	<1.0	<1.0	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	**190**	*2.1*	<0.50	1.1	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/19/2011	<1.0	<1.0	<1.0	<0.80	**220**	*2.1*	<1.0	1.2	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
1/17/2012	<1.0	<1.0	<1.0	<0.80	**210**	*1.9*	<1.0	1.2	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**150**	*1.7*	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**270**	*2.3*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.31	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA
12/17/2013	<0.13	<0.11	<0.068	<0.32	**94**	*1.0*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.31	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.11.
MW-9 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
1/19/2006	<0.18	<0.21	<0.60	4.88	*3.1*	<0.19	<0.20	<0.18	<0.18	<0.20	<0.52	<0.25	<0.32	<0.20	<0.22	<0.23	<0.20	<0.16	<0.22	<0.19	<0.23	0.33	0.17	<0.50	<0.50	1.3
4/27/2006	<0.18	<0.18	<0.49	0.25	**5.5**	<0.21	<0.19	<0.20	<0.17	<0.17	19	<0.18	<0.17	<0.20	<0.21	<0.17	0.16	<0.17	<0.18	<0.16	<0.18	<0.19	<0.34	0.51	<0.005	2.0
7/12/2006	<0.18	<0.18	<0.49	<0.36	*4.2*	<0.21	<0.19	<0.20	<0.17	<0.17	<1.0	<0.18	<0.17	<0.20	<0.21	<0.17	0.20	<0.17	<0.18	<0.16	<0.18	<0.19	<0.34	<40	<0.50	1.6
11/2/2009	<0.50	<0.50	<0.50	<0.40	**10**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	**9.9**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/21/2010	<0.50	<0.50	<0.50	<0.40	**10**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/21/2010	<0.50	<0.50	<0.50	<0.40	**10**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	**9.3**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/19/2011	<0.50	<0.50	<0.50	<0.40	**7.5**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/28/2011	<0.50	<0.50	<0.50	<0.40	*4.8*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/28/2011	<0.50	<0.50	<0.50	<0.40	*4.1*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	*3.7*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	*4.2*	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**6.3**	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/26/2012	<0.13	<0.11	<0.068	<0.32	**8.0**	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.12.
MW-10 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
1/19/2006	<1.8	<1.9	<5.8	<3.8	**98**	<2.8	<1.7	<2.3	<2.2	<1.5	<8.0	<2.0	NA	<1.5	<1.8	<2.0	<1.3	<1.8	<2.2	<1.8	<1.9	<2.0	<1.9	<0.50	<0.50	0.85
4/27/2006	<1.8	<1.8	<4.9	<3.6	**130**	<2.1	<1.9	<2.0	<1.7	<1.7	12	*2.9*	*3.2*	<2.0	<2.1	<1.7	<1.4	<1.7	<1.8	<1.6	<1.8	<1.9	<3.4	<0.40	<0.005	2.1
7/12/2006	<1.8	<1.8	<4.9	<3.6	**130**	<2.1	<1.9	<2.0	<1.7	<1.7	<10	*1.9*	<1.7	<2.0	<2.1	<1.7	*1.7*	<1.7	<1.8	<1.6	<1.8	<1.9	<3.4	<40	<0.50	1.8
11/2/2009	<0.50	<0.50	<0.50	<0.40	**130**	*1.9*	<0.50	3.3	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<1.0	<1.0	<1.0	<0.80	**120**	*1.7*	<1.0	3.2	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
4/21/2010	<0.50	<0.50	<0.50	<0.40	**150**	*2.9*	<0.50	4.5	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/21/2010	<1.0	<1.0	<1.0	<0.80	**160**	*2.8*	<1.0	4.4	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	See Table 18		
10/20/2010	<1.0	<1.0	<1.0	<0.80	**130**	*2.3*	<1.0	2.8	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
1/18/2011	<1.0	<1.0	<1.0	<0.80	**110**	*1.8*	<1.0	1.8	<1.0	<0.40	NA	<2.0	<0.50	<0.40	<0.50	<0.40	<0.60	<1.0	<1.0	<0.40	<0.40	<1.0	<1.0	NA	NA	NA
4/28/2011	<0.50	<0.50	<0.50	<0.40	**110**	*1.6*	<0.50	1.5	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/28/2011	<0.50	<0.50	<0.50	<0.40	**110**	*1.6*	<0.50	1.2	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	**100**	*1.5*	<0.50	1.1	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2012	<0.50	<0.50	<0.50	<0.40	**85**	*1.2*	<0.50	1.1	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**81**	*1.3*	<0.29	1.2	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/26/2012	<0.13	<0.11	<0.068	<0.32	**110**	*1.8*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.13.
MW-11 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
10/27/2009	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	0.55	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/19/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	<0.22	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/26/2012	<0.13	<0.11	<0.068	<0.32	<0.17	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.14.
PZ-11 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
10/27/2009	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/27/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/19/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	<0.22	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/26/2012	<0.13	<0.11	<0.068	<0.32	<0.17	<0.19	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.15.
MW-12 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl tert-Butyl Ether	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	60	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	12	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
10/28/2009	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	0.53	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/28/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	<0.50	<0.20	<0.50	<0.50	<0.50	<0.20	<0.50	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	<0.22	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	<0.17	<0.19	<0.31	<0.12	<0.25	<0.10	<0.24	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

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Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.1.16.
PZ-12 Groundwater Analytical Results
(concentrations are in µg/L)

Date	Ethylbenzene	Toluene	Xylenes (Total)	Trimethylbenzenes, Combined	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methyl ethyl ketone	Methylene Chloride	1,2,3-Trichlorobenzene	Bromodichloromethane	sec-Butylbenzene	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloropropene	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Trichlorofluoromethane	Ethane	Ethene	Methane
NR140 ES[1]	700	1,000	10,000	480	5	5	7	70	100	0.2	460	5	NS	0.6	NS	6	3	1,000	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL[2]	140	200	1,000	96	0.5	0.5	0.7	7	20	0.02	90	0.5	NS	0.06	NS	0.6	0.3	200	NS	NS	NS	NS	NS	NS	NS	NS
10/28/2009	<0.50	<0.50	<0.50	<0.40	**12**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/13/2010	<0.50	<0.50	<0.50	<0.40	**11**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/20/2010	<0.50	<0.50	<0.50	<0.40	**9.5**	<0.20	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/20/2010	<0.50	<0.50	<0.50	<0.40	**87**	*1.4*	<0.50	1.5	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2010	<0.50	<0.50	<0.50	<0.40	**85**	*1.5*	<0.50	1.6	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/18/2011	<0.50	<0.50	<0.50	<0.40	**92**	*1.7*	<0.50	1.4	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/27/2011	<0.50	<0.50	<0.50	<0.40	**79**	*1.4*	<0.50	1.0	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
7/28/2011	<0.50	<0.50	<0.50	<0.40	**62**	*1.1*	<0.50	0.68	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	See Table 18		
10/20/2011	<0.50	<0.50	<0.50	<0.40	**51**	*0.87*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
1/17/2012	<0.50	<0.50	<0.50	<0.40	**31**	*0.51*	<0.50	<0.50	<0.50	<0.20	NA	<1.0	<0.25	<0.20	<0.25	<0.20	<0.30	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	NA	NA	NA
4/10/2012	<0.14	<0.15	<0.30	<0.45	**36**	<0.18	<0.29	<0.22	<0.27	<0.13	NA	<0.63	<0.36	<0.23	<0.19	<0.25	<0.24	<0.26	<0.25	<0.21	<0.24	<0.19	<0.22	NA	NA	NA
7/27/2012	<0.13	<0.11	<0.068	<0.32	**43**	*0.65*	<0.31	<0.12	<0.25	<0.10	NA	<0.68	<0.24	<0.17	<0.15	<0.20	<0.18	<0.20	<0.34	<0.14	<0.17	<0.13	<0.19	NA	NA	NA

Notes:
Sources for Wisconsin groundwater standards:
[1] - Wisconsin Administrative Code, Chapter NR140 Groundwater Enforcement Standard (ES)
[2] - Wisconsin Administrative Code, Chapter NR140 Groundwater Preventive Action Limit (PAL)
BOLD values exceed NR140 ES
values in *italics* exceed NR140 PAL

Table A.2.1. - Pre-Remedial Soil Analytical Table

Former Westby Dry Cleaners
Westby, Wisconsin

Sample	Date	Depth (feet bgs)	PCE	TCE	1,1-Dichloroethene	cis 1,2-Dichloroethene	trans-Dichloroethene	Vinyl Chloride	Methylene Chloride
GP-1	8/27/1996	2-4	<5	<5	NA	<10	NA	NA	NA
		8-10	<5	<5	NA	<10	NA	NA	NA
		14-15	<5	<5	NA	<10	NA	NA	NA
GP-2	8/27/1996	0-2	180	38	NA	<10	NA	NA	NA
		6-8	360	19	NA	<10	NA	NA	NA
		14-15	210	7	NA	<10	NA	NA	NA
GP-3	8/27/1996	0-2	570	54	NA	75	NA	NA	NA
		6-8	1,000	84	NA	110	NA	NA	NA
		14-15	280	15	NA	18	NA	NA	NA
GP-4	8/27/1996	2-4	120	<5	NA	<10	NA	NA	NA
		8-10	24	<5	NA	<10	NA	NA	NA
		14-15	38	<5	NA	<10	NA	NA	NA
GP-5	8/27/1996	10-12	180	<5	NA	<10	NA	NA	NA
		14-16	10	<5	NA	<10	NA	NA	NA
GP-6	8/27/1996	2-4	770	20	NA	<10	NA	NA	NA
		8-10	2,100	53	NA	<10	NA	NA	NA
		14-15	11	<5	NA	<10	NA	NA	NA
GP-7	8/27/1996	6-8	2,600	62	NA	32	NA	NA	NA
		10-12	1,500	24	NA	12	NA	NA	NA
		14-15	830	12	NA	<10	NA	NA	NA
GP-8	8/27/1996	2-4	4,400	7	NA	<10	NA	NA	NA
		8-10	1,000	<5	NA	<10	NA	NA	NA
		14-15	46	<5	NA	<10	NA	NA	NA
GP-9	06/15/01	10-12	170	<25	<25	<25	<25	<25	<25
		14-16	60	<25	<25	<25	<25	<25	<25
GP-10	06/15/01	12-14	300	<25	<25	<25	<25	<25	<25
		20-23	300	<25	<25	<25	<25	<25	<25
GP-11	06/15/01	10-12	110	<25	<25	<25	<25	<25	<25
		14-16	53	<25	<25	<25	<25	<25	<25
GP-12	06/15/01	10-12	380	<25	<25	<25	<25	<25	<25
		14-16	260	<25	<25	<25	<25	<25	<25
GP-13	06/15/01	10-12	81	<25	<25	<25	<25	<25	<25
		22-23.5	73	<25	<25	<25	<25	<25	<25
GP-14	06/15/01	2-4	540	33	<25	36	<25	<25	<25
		18-20	53	<25	<25	<25	<25	<25	<25
GP-15	06/15/01	2-4	5,300	170	<25	<25	<25	<25	<25
		14-16	<25	<25	<25	<25	<25	<25	<25
GP-16	06/15/01	2-4	3,800	<25	<25	<25	<25	<25	60
GP-17	10/09/01	2-4	19,000	610	<25	380	<25	<25*	<25*
		18-19.5	64	<25	<25	<25	<25	<25*	<25*
GP-18	10/09/01	2-4	1,600	<25	<25	<25	<25	<25*	<25*
		22-24	<25	<25	<25	<25	<25	<25*	<25*
GP-19	10/09/01	2-4	1,500	<25	<25	<25	<25	<25*	<25*
		22-23	<25	<25	<25	<25	<25	<25*	<25*
GP-20	10/09/01	2-4	570	<25	<25	<25	<25	<25*	<25*
		14-15.5	<25	<25	<25	<25	<25	<25*	<25*
GP-21	10/09/01	2-4	7,200	230	<25	43	<25	<25*	<25*
		18-19	66	<25	<25	<25	<25	<25*	<25*
GP-22	10/09/01	2-4	150	<25	<25	<25	<25	<25*	<25*
		18-19 [3]	<250	<250	<250	<250	<250	<250*	<250*
GP-23	10/09/01	2-4	3,800	<25	<25	<25	<25	<25*	<25*
		18-19	<25	<25	<25	<25	<25	<25*	<25*
GP-24	10/09/01	2-4	200	<25	<25	<25	<25	<25*	<25*
		14-16	30	<25	<25	<25	<25	<25*	<25*
GP-25	10/09/01	2-4	2,600	<25	<25	<25	<25	<25*	<25*
	10/10/01	18-20	300	<25	<25	<25	<25	<25	<25
GP-26	10/10/01	0-2	64	<25	<25	<25	<25	<25	<25
		12-14	170	<25	<25	<25	<25	<25	<25
		18-19	<25	<25	<25	<25	<25	<25	<25
GP-27	10/10/01	0-2	1,200	<25	<25	<25	<25	<25	<25
		14-16	150	<25	<25	<25	<25	<25	<25
GP-28	10/10/01	0-2 [1]	54	<25	<25	<25	<25	<25	<25
		12-14	400	<25	<25	<25	<25	<25	<25
		18-20	420	<25	<25	<25	<25	<25	<25
GP-29	10/10/01	0-2	<25	<25	<25	<25	<25	<25	<25
		22-24	<25	<25	<25	<25	<25	<25	<25
GP-30	10/10/01	0-2	<25	<25	<25	<25	<25	<25	<25
		22-23	37	<25	<25	<25	<25	<25*	<25
GP-31	10/10/01	2-4	480	<25	<25	<25	<25	<25*	<25
GP-32	10/10/01	2-4	420	<25	<25	<25	<25	<25*	<25
		12-14	<25	<25	<25	<25	<25	<25*	<25
GP-33	10/10/01	2-4	52	<25	<25	<25	<25	<25*	<25
		8-10 [3]	370	<25	<25	<25	<25	<25*	<25
		10-12	<25	<25	<25	<25	<25	<25*	<25
GP-34	10/10/01	0-2	<25	<25	<25	<25	<25	<25*	<25
		18-20	45	<25	<25	<25	<25	<25*	<25
GP-35	10/10/01	2-4	61	<25	<25	<25	<25	<25*	<25
		18-20	33	<25	<25	<25	<25	<25*	<25
GP-36	10/10/01	2-4	30	<25	<25	<25	<25	<25*	<25
		18-19	<25	<25	<25	<25	<25	<25*	<25
GP-37	10/10/01	2-4	<25	<25	<25	<25	<25	<25*	<25
		18-20	<25	<25	<25	<25	<25	<25*	<25
TB-38	02/05/02	2.5-4.5	150	<25	<25	<25	<25	<25	<25
		12.5-14.5	57	<25	<25	<25	<25	<25	<25
		17.5-19.5	64	<25	<25	<25	<25	<25	<25
TB-39	02/06/02	20-22	<25	<25	<25	<25	<25	<25	<25
TB-40	02/05/02	2.5-4.5	9,200	380	<25	400	<25	<25	<25
		37.5-39.5	150	<25	<25	<25	<25	<25	110
		40-42	77	<25	<25	<25	<25	<25	270
TB-41	02/06/02	7.5-9.5	94	<25	<25	<25	<25	<25	<25
		32.5-34.5	190	<25	<25	<25	<25	<25	<25
TB-42	02/05/02	0-2	3,100	<130	<130	<130	<130	<130	<130
TB-43	02/05/02	0-2	1,300	<25	<25	<25	<25	<25	<25
TB-44	02/05/02	2-4	3,600	<25	<25	<25	<25	<25	<25
MW-1	06/11/02	48-50	<25	<25	<25	<25	<25	<25	<25
MW-2	02/24/04	1-3	22	<15	<17	<13	<17	<18	<14
	02/24/04	35-37	160	<15	<17	<13	<17	<18	<14
MW-3	02/24/04	5-7	<14	<15	<17	<13	<17	<18	<14
	02/24/04	30-32	63	<15	<17	<13	<17	<18	<14
MW-4	04/22/04	10-12	<25	<25	<25	<25	<25	<25	<25
		40-42	<25	<25	<25	<25	<25	<25	<25
MW-5	04/22/04	10-12	<25	<25	<25	<25	<25	<25	<25
		30-32	<25	<25	<25	<25	<25	<25	<25
MW-6	04/27/04	15-17	<25	<25	<25	<25	<25	<25	<25
		30-32	<25	<25	<25	<25	<25	<25	<25
Wisconsin modified EPA soil screening level based on protection of groundwater			6	6	6	40	70	1	2
Wisconsin modified EPA soil screening level based on ingestion			1,200	58,000	100	78,000	160,000	300	8,500
Wisconsin modified EPA soil screening level based on inhalation of particulates			1,100	500	70	120,000	310,000	30	1,300

Notes:
All results listed in parts-per-billion unless otherwise indicated
bgs - Below the ground surface
PCE - tetrachloroethene
TCE - trichloroethene
NA - not analyzed
NS - no standard

* Indicates check standard failure.
[1] Naphthalene present at 32 ppb.
[2] Petroleum compounds present.
[3] Sample was diluted to avoid damage to analytical instrument due to sample foaming.
RCL - residual contaminant level

Reference: **This data was collected and reported by Shaw Environmental, Inc. in the Site Investigation Report dated September 28, 2006**

Table A.2.2. Pre-Remedial Soil Analytical Table

Former Westby Dry Cleaners
Westby, Wisconsin

Sample	Date	Depth (feet bgs)	PCE	TCE	1,1-Dichloroethene	cis 1,2-Dichloroethene	trans 1,2-Dichloroethene	Vinyl Chloride	Chloroform	Methylene Chloride
IGP-1	10/18/2005	2-4	**42,000**	**210**	<11	<17	<24	<12	**30**	<20
IGP-2	10/18/2005	4-6	**18,000**	**48**	<11	<17	<24	<12	<15	<20
		20-22	**910**	<17	<11	<17	<24	<12	**29**	<20
IGP-3	10/18/2005	2-4	**17,000**	<17	<11	<17	<24	<12	<15	<20
		18-20	**1,400**	<17	<11	<17	<24	<12	<15	<20
IGP-4	10/18/2005	10-12	**540**	<17	<11	<17	<24	<12	<15	<20
		22-24	**290**	<17	<11	<17	<24	<12	<15	<20
IGP-5	10/18/2005	8-10	**580**	<17	<11	<17	<24	<12	**30**	<20
		14-16	**320**	<17	<11	<17	<24	<12	<15	<20
IGP-6	10/18/2005	8-10	**150**	<17	<11	<17	<24	<12	<15	<20
		22-24	<20	<17	<11	<17	<24	<12	**27**	<20
IGP-7	10/18/2005	6-8	**980**	<17	<11	<17	<24	<12	<15	<20
		22-24	<20	<17	<11	<17	<24	<12	**30**	<20
IGP-8	10/19/2005	0-2	**26**	<17	<11	<17	<24	<12	<15	<20
		18-20	<20	<17	<11	<17	<24	<12	<15	<20
IGP-9	10/19/2005	0-2	<20	<17	<11	<17	<24	<12	<15	<20
		20-22	<20	<17	<11	<17	<24	<12	<15	<20
IGP-10	10/19/2005	2-4	**150**	<17	<11	<17	<24	<12	<15	<20
MW-7	10/10/2005	40-42	<20	<17	<11	<17	<24	<12	<15	<20
MW-8	10/12/2005	35-37	<20	<17	<11	<17	<24	<12	<15	<20
MW-9	10/17/2005	55-57	<20	<17	<11	<17	<24	<12	**29**	<20
MW-10	10/19/2005	55-57	<20	<17	<11	<17	<24	<12	<15	<20

Note: All results listed in parts-per-billion
Methyl ethyl ketone (MEK) was analyzed, but was not detected in the soil samples. The check standard fell just below the passing control limit.

Reference:

This data was collected and reported by Shaw Environmental, Inc. in the Site Investigation Report dated September 28, 2006

Table A.2.3. Pre-Remedial Soil Analytical Table (TCLP Results)

Former Westby Dry Cleaners
Westby, Wisconsin

Sample	Date	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroform	1,4-Dichlorobenzene	1,2-Dichloroethane	1,1-Dichloroethene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl Chloride	Methyl ethyl ketone
Sample 1	9/23/2004	<0.29	<0.30	<0.21	<0.30	<0.23	<0.34	<0.41	<0.31	<0.25	<0.11	0.90
Sample 2	9/23/2004	<0.29	<0.30	<0.21	<0.30	<0.23	<0.34	<0.41	<0.31	*0.70*	<0.11	0.90
NR 140 PAL		0.5	0.5	NS	0.6	15	0.5	0.7	0.5	0.5	0.02	90
NR 140 ES		5.0	5.0	NS	6.0	75	5.0	7.0	5.0	5.0	0.2	460

Note: Results listed in parts-per-billion (micrograms per liter).

Samples were collected from drum containing GP-19

NS - No Standard

Reference:

This data was collected and reported by Shaw Environmental, Inc. in the Site Investigation Report dated September 28, 2006

Project # LC-08-04945
Former Westby Dry Cleaners
213 Melby Street
Westby, Wisconsin

Table A.3.
Post-Remedial Soil Analytical Table
(concentrations are in µg/kg)

Sample	Date	Depth (bgs)	Unsaturated or Saturated	PID Reading (ppm)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis 1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	TCLP Tetrachloroethene (mg/L)
Sand Fill	9/29/2009	-	N/A	0.0	<27	<27	<27	<27	<27	<38	NA
Stockpile	10/28/2009	Composite	Unsaturated	0.0	**3,600**	**39**	<30	<30	<30	<42	0.15
S-1	10/29/2009	3 feet	Unsaturated	0.2	**120**	<36	<36	<36	<36	<50	NA
S-2	10/29/2009	10 feet	Unsaturated	0.0	<33	<33	<33	<33	<33	<46	NA
S-3	10/29/2009	3 feet	Unsaturated	0.0	**560**	<35	<35	<35	<35	<49	NA
S-4	10/29/2009	3 feet	Unsaturated	0.0	**230**	<34	<34	<34	<34	<47	NA
S-5	10/29/2009	10 feet	Unsaturated	0.0	**66**	<33	<33	<33	<33	<46	NA
S-6	10/29/2009	20 feet	Unsaturated	0.0	**65**	<28	<28	<28	<28	<40	NA
S-7	10/30/2009	10 feet	Unsaturated	0.0	**150**	<32	<32	<32	<32	<45	NA
S-8	10/30/2009	3 feet	Unsaturated	0.0	**340**	<38	<38	<38	<38	<53	NA
S-9	10/30/2009	17 feet	Unsaturated	0.0	<28	<28	<28	<28	<28	<40	NA
S-10	10/30/2009	20 feet	Unsaturated	0.0	<27	<27	<27	<27	<27	<38	NA
S-11	11/3/2009	3 feet	Unsaturated	1.2	**420**	<33	<33	<33	<33	<47	NA
S-12	11/3/2009	3 feet	Unsaturated	0.0	**1,200**	<34	<34	<34	<34	<47	NA
Duplicate 1 (S-12)	11/3/2009	3 feet	Unsaturated	0.0	**1,100**	<34	<34	<34	<34	<47	NA
S-13	11/3/2009	12 feet	Unsaturated	0.0	<29	<29	<29	<29	<29	<41	NA
S-14	11/3/2009	3 feet	Unsaturated	0.0	<34	<34	<34	<34	<34	<48	NA
S-15	11/3/2009	18 feet	Unsaturated	0.0	<29	<29	<29	<29	<29	<40	NA
S-16	11/3/2009	10 feet	Unsaturated	0.0	**32**	<29	<29	<29	<29	<41	NA
S-17	11/4/2009	3 feet	Unsaturated	0.0	**87**	<32	<32	<32	<32	<44	NA
S-18	11/4/2009	3 feet	Unsaturated	0.0	**2,200**	**86**	<32	52	<32	<45	NA
Duplicate 2 (S-18)	11/4/2009	3 feet	Unsaturated	0.0	**2,400**	**94**	<32	53	<32	<45	NA
S-19	11/4/2009	10 feet	Unsaturated	0.0	**430**	<32	<32	37	<32	<45	NA
S-20	11/4/2009	18 feet	Unsaturated	0.0	**280**	<32	<32	<32	<32	<45	NA
S-21	11/4/2009	10 feet	Unsaturated	0.0	**320**	<33	<33	<33	<33	<46	NA
S-22	11/5/2009	3 feet	Unsaturated	0.0	<28	<28	<28	<28	<28	<40	NA
S-23	11/5/2009	3 feet	Unsaturated	0.0	**16,000**	**560**	<33	100	<33	<47	NA
S-24	11/5/2009	3 feet	Unsaturated	0.0	**210**	<34	<34	<34	<34	<47	NA
S-25	11/5/2009	10 feet	Unsaturated	0.0	**33**	<28	<28	<28	<28	<40	NA
S-26	11/5/2009	3 feet	Unsaturated	0.0	**3,800**	**70**	<33	<33	<33	<46	NA
Duplicate 3 (S-26)	11/5/2009	3 feet	Unsaturated	0.0	**5,100**	**88**	<33	<33	<33	<46	NA
S-27	11/5/2009	10 feet	Unsaturated	0.0	**78**	<32	<32	<32	<32	<44	NA
S-28	11/6/2009	3 feet	Unsaturated	0.0	**550**	<33	<33	<33	<33	<46	NA
S-29	11/6/2009	3 feet	Unsaturated	0.0	<28	<28	<28	<28	<28	<39	NA
B-1	11/3/2009	20 feet	Unsaturated	5.9	<27	<27	<27	<27	<27	<38	NA
B-2	11/3/2009	20 feet	Unsaturated	0.0	<27	<27	<27	<27	<27	<37	NA
B-3	11/4/2009	20 feet	Unsaturated	0.0	<27	<27	<27	<27	<27	<38	NA
B-4	11/4/2009	20 feet	Unsaturated	0.0	**48**	<28	<28	<28	<28	<39	NA
B-5	11/4/2009	20 feet	Unsaturated	0.0	**46**	<27	<27	<27	<27	<38	NA
B-6	11/5/2009	20 feet	Unsaturated	0.0	<27	<27	<27	<27	<27	<37	NA
B-7	11/5/2009	20 feet	Unsaturated	0.0	**110**	<29	<29	<29	<29	<41	NA
B-8	11/5/2009	20 feet	Unsaturated	0.0	<28	<28	<28	<28	<28	<40	NA
B-9	11/5/2009	20 feet	Unsaturated	0.0	<27	<27	<27	<27	<27	<38	NA
B-10	11/6/2009	10 feet	Unsaturated	0.0	<33	<33	<33	<33	<33	<46	NA
HA-1	12/7/2009	1 - 2 feet	Unsaturated	0.4	<33	<33	<33	<33	<33	<46	NA
HA-2	12/7/2009	1 - 2 feet	Unsaturated	0.0	**170**	<30	<30	<30	<30	<42	NA
HA-3	12/7/2009	1 - 1.5 feet	Unsaturated	0.0	**38**	<30	<30	<30	<30	<42	NA
U.S. EPA Generic Soil Screening Level for Groundwater Protection (Groundwater RCL)					4.1	3.7	3.0	27	98	0.13	-
U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL)					1,230	5,810	1,000	156,000	313,000	46	-
U.S. EPA Generic Soil Screening Level for the Inhalation of Volatiles					1,900	850	70	NS	NS	52	-

Notes:
Standards based on the U.S. EPA web calculator
BOLD values exceed one or more Wisconsin soil screening level
bgs - below ground surface
NA - Not Analyzed

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Table A.4.
Pre- and Post-Remedial Soil Analytical Table
(concentrations are in µg/kg)

Sample	Date	Depth (bgs)	Unsaturated or Saturated	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	cis 1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
GP-4	8/27/1996	14-15 feet	Unsaturated	**38**	<5	NA	<10	NA	NA
GP-5	8/27/1996	14-16 feet	Unsaturated	**10**	<5	NA	<10	NA	NA
GP-10	6/15/2001	20-23 feet	Unsaturated	**300**	<25	<25	<25	<25	<25
GP-13	6/15/2001	22-23.5 feet	Unsaturated	**73**	<25	<25	<25	<25	<25
GP-14	6/15/2001	18-20 feet	Unsaturated	**53**	<25	<25	<25	<25	<25
GP-21	10/9/2001	18-19 feet	Unsaturated	**66**	<25	<25	<25	<25	<25
GP-22	10/9/2001	2-4 feet	Unsaturated	**150**	<25	<25	<25	<25	<25
GP-24	10/9/2001	14-16 feet	Unsaturated	**30**	<25	<25	<25	<25	<25
GP-28	10/10/2001	18-20 feet	Unsaturated	**420**	<25	<25	<25	<25	<25
GP-30	10/10/2001	22-23 feet	Unsaturated	**37**	<25	<25	<25	<25	<25
GP-32	10/10/2001	2-4 feet	Unsaturated	**420**	<25	<25	<25	<25	<25
GP-33	10/10/2001	2-4 feet	Unsaturated	**52**	<25	<25	<25	<25	<25
		8-10 feet	Unsaturated	**370**	<25	<25	<25	<25	<25
GP-34	10/10/2001	18-20 feet	Unsaturated	**45**	<25	<25	<25	<25	<25
GP-35	10/10/2001	18-20 feet	Unsaturated	**33**	<25	<25	<25	<25	<25
GP-36	10/10/2001	2-4 feet	Unsaturated	**30**	<25	<25	<25	<25	<25
TB-38	2/5/2002	12.5-14.5 feet	Unsaturated	**57**	<25	<25	<25	<25	<25
		17.5-19.5 feet	Unsaturated	**64**	<25	<25	<25	<25	<25
TB-40	2/5/2002	37.5-39.5 feet	Unsaturated	**150**	<25	<25	<25	<25	<25
		40-42 feet	Unsaturated	**77**	<25	<25	<25	<25	<25
TB-41	2/6/2002	32.5-34.5 feet	Unsaturated	**190**	<25	<25	<25	<25	<25
MW-2	2/24/2004	1-3 feet	Unsaturated	**22**	<15	<17	<13	<17	<18
		35-37 feet	Unsaturated	**160**	<15	<17	<13	<17	<18
IGP-2	10/18/2005	20-22 feet	Unsaturated	**910**	<17	<11	<17	<24	<12
IGP-4	10/18/2005	22-24 feet	Unsaturated	**290**	<17	<11	<17	<24	<12
S-1	10/29/2009	3 feet	Unsaturated	**120**	<36	<36	<36	<36	<50
S-3	10/29/2009	3 feet	Unsaturated	**560**	<35	<35	<35	<35	<49
S-4	10/29/2009	3 feet	Unsaturated	**230**	<34	<34	<34	<34	<47
S-5	10/29/2009	10 feet	Unsaturated	**66**	<33	<33	<33	<33	<46
S-6	10/29/2009	20 feet	Unsaturated	**65**	<28	<28	<28	<28	<40
S-7	10/30/2009	10 feet	Unsaturated	**150**	<32	<32	<32	<32	<45
S-8	10/30/2009	3 feet	Unsaturated	**340**	<38	<38	<38	<38	<53
S-11	11/3/2009	3 feet	Unsaturated	**420**	<33	<33	<33	<33	<47
S-12	11/3/2009	3 feet	Unsaturated	**1,200**	<34	<34	<34	<34	<47
S-16	11/3/2009	10 feet	Unsaturated	**32**	<29	<29	<29	<29	<41
S-17	11/4/2009	3 feet	Unsaturated	**87**	<32	<32	<32	<32	<44
S-18	11/4/2009	3 feet	Unsaturated	**2,200**	**86**	<32	52	<32	<45
S-19	11/4/2009	10 feet	Unsaturated	**430**	<32	<32	37	<32	<45
S-20	11/4/2009	18 feet	Unsaturated	**280**	<32	<32	<32	<32	<45
S-21	11/4/2009	10 feet	Unsaturated	**320**	<33	<33	<33	<33	<46
S-23	11/5/2009	3 feet	Unsaturated	**16,000**	**560**	<33	100	<33	<47
S-24	11/5/2009	3 feet	Unsaturated	**210**	<34	<34	<34	<34	<47
S-25	11/5/2009	10 feet	Unsaturated	**33**	<28	<28	<28	<28	<40
S-26	11/5/2009	3 feet	Unsaturated	**3,800**	**70**	<33	<33	<33	<46
S-27	11/5/2009	10 feet	Unsaturated	**78**	<32	<32	<32	<32	<44
S-28	11/6/2009	3 feet	Unsaturated	**550**	<33	<33	<33	<33	<46
B-4	11/4/2009	20 feet	Unsaturated	**48**	<28	<28	<28	<28	<39
B-5	11/4/2009	20 feet	Unsaturated	**46**	<27	<27	<27	<27	<38
B-7	11/5/2009	20 feet	Unsaturated	**110**	<29	<29	<29	<29	<41
HA-2	12/7/2009	1 - 2 feet	Unsaturated	**170**	<30	<30	<30	<30	<42
HA-3	12/7/2009	1 - 1.5 feet	Unsaturated	**38**	<30	<30	<30	<30	<42
U.S. EPA Generic Soil Screening Level for Groundwater Protection (Groundwater RCL)				4.1	3.7	3.0	27	98	0.13
U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL)				1,230	5,810	1,000	156,000	313,000	46
U.S. EPA Generic Soil Screening Level for the Inhalation of Volatiles				1,900	850	70	NS	NS	52

Notes:
Standards based on the U.S. EPA web calculator
BOLD values exceed one or more Wisconsin soil screening level
bgs - below ground surface
NA - Not Analyzed

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Table A.5.
Vapor Analytical Table

Compound/Parameter	CAS No.	Sample Identifier					Residential Sub-Slab VAL (α = 0.1)
		SS-1	**SS-2**	**SS-3**	**SS-4**	**SS-5**	
		12/17/2013	**12/17/2013**	**12/17/2013**	**12/17/2013**	**12/17/2013**	
		217 Melby St.	**214 Melby St.**	**210 Melby St.**	**208 West State St.**	**210 West State St.**	
Volatile Organic Compounds (ug/m³)							
2-Butanone (MEK)	78-93-3	9.81	<1.36	<1.37	<1.35	<1.29	52,000
2-Propanol	67-63-0	2.69	1.25	<1.18	<1.17	1.38	NE
Acetone	67-64-1	89.7	5.08	<4.36	12.4	4.54	320,000
Carbon disulfide	75-15-0	2.82	<1.44	<1.44	<1.42	<1.37	7,300
cis-1,2-Dichloroethene	156-59-2	<1.89	<1.83	<1.84	<1.81	<1.74	NE
Dichlorodifluoromethane	75-71-8	<2.36	2.28	<2.29	2.83	2.41	1,000
Ethanol	64-17-5	5.63	<3.61	<3.63	<3.58	<3.43	NE
n-Heptane	142-82-5	8.1	4.31	<1.90	<1.87	4.77	NE
Tetrachloroethene	127-18-4	18.6	5.61	12	13	20.1	420
Toluene	108-88-3	30.7	4.94	2.22	2.84	11.9	52,000
trans-1,2-Dichloroethene	156-60-5	<1.89	<1.83	<1.84	<1.81	<1.74	630
Trichloroethene	79-01-6	<2.57	<2.48	<2.49	<2.46	<2.36	21
Vinyl chloride	75-01-4	<1.22	<1.18	<1.18	<1.17	<1.12	16

Notes:

ug/m^3 = Micrograms per cubic meter

< = Less than the reporting limit indicated

NE = Not Established

SS = Sub-Slab Vapor Sample

VAL = Vapor Action Level based on United States Environmental Protection Agency (EPA) Regional Screening Level Summary Table, May 2013

α = attenuation factor

BOLD indicated concentration exceeds corresponding VAL

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Table A.6.
Other Media of Concern (e.g., sediment or surface water)

Note: Surface water and sediment was not assessed since the nearest surface water that could potentially be affected by contamination from the site is the North Fork of the Bad Axe River, which flows in a southwesterly direction beginning approximately 4,000 feet west of the site.

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Table A.7. (page 1 of 3)
Water Level Elevations (in feet)

Groundwater Monitoring Point	Top of Riser Elevation (feet)	Depth to Bottom (feet)	Top of Screen Elevation (feet)	6/17/2002	7/2/2002	2/24/2004	3/10/2004	4/26/2004	6/4/2004	9/2/2004	2/21/2005
MW-1	1287.23	112.57	1189.66	1181.66	1183.05	1179.60	1180.02	1179.89	1179.76	1180.57	1180.01
MW-1P	1287.03	147.29	1149.74	NI	NI	NI	NI	NI	NI	NI	NI
MW-2	1286.09	114.53	1186.56	NI	NI	NI	1181.38	1181.36	1181.30	1182.22	1181.96
MW-3	1287.31	114.76	1187.55	NI	NI	NI	1181.60	1181.44	1181.43	1182.87	1182.33
MW-4	1288.68	139.27	1164.41	NI	NI	NI	NI	1158.39	1158.72	1159.28	1158.95
MW-5	1286.77	149.39	1152.38	NI	NI	NI	NI	1145.91	1145.34	1147.20	1146.91
MW-6	1289.81	152.16	1152.65	NI	NI	NI	NI	NI	1144.71	1146.66	1146.43
MW-6A	1289.42	177.84	1116.58	NI	NI	NI	NI	NI	1144.49	1146.43	1146.19
MW-7	1289.42	120.30	1184.12	NI	NI	NI	NI	NI	NI	NI	NI
MW-8	1295.75	158.90	1151.85	NI	NI	NI	NI	NI	NI	NI	NI
MW-9	1287.77	154.70	1148.07	NI	NI	NI	NI	NI	NI	NI	NI
MW-10	1286.76	139.27	1162.49	NI	NI	NI	NI	NI	NI	NI	NI
MW-11	1318.65	143.44	1190.21	NI	NI	NI	NI	NI	NI	NI	NI
PZ-11	1318.67	180.45	1153.22	NI	NI	NI	NI	NI	NI	NI	NI
MW-12	1281.57	106.44	1190.13	NI	NI	NI	NI	NI	NI	NI	NI
PZ-12	1281.49	152.40	1144.09	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
Elevations are reported as feet above mean sea level
NI = Not Installed
NM = Not Measured

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Table A.7. (page 2 of 3)
Water Level Elevations (in feet)

Groundwater Monitoring Point	Top of Riser Elevation (feet)	Depth to Bottom (feet)	Top of Screen Elevation (feet)	1/17/2006	4/27/2006	7/12/2006	5/18/2009	10/27/2009	1/12/2009	4/20/2010	7/20/2010
MW-1	1287.23	112.57	1189.66	1179.44	1179.01	1179.70	1187.32	1184.20	1182.72	1181.53	1182.16
MW-1P	1287.03	147.29	1149.74	NI	1141.76	1141.29	1174.86	1169.91	1166.74	1163.88	1164.28
MW-2	1286.09	114.53	1186.56	1181.66	1181.45	1181.76	1188.39	1185.43	1184.23	1183.16	1183.82
MW-3	1287.31	114.76	1187.55	1181.77	1181.59	1182.04	1187.66	1185.07	1183.95	1182.95	1183.57
MW-4	1288.68	139.27	1164.41	1159.08	1159.03	1159.12	NM	1170.64	1167.53	1164.55	1165.00
MW-5	1286.77	149.39	1152.38	1142.35	1140.61	1139.82	1174.50	1169.61	1166.50	1163.60	1163.97
MW-6	1289.81	152.16	1152.65	1141.81	1140.01	1139.22	1174.18	1169.25	1166.15	1163.22	1163.62
MW-6A	1289.42	177.84	1116.58	1141.53	1139.82	1138.85	1173.77	1168.85	1165.77	1162.92	1163.27
MW-7	1289.42	120.30	1184.12	1178.63	1178.58	1179.29	1187.42	1184.33	1182.98	1181.61	1182.46
MW-8	1295.75	158.90	1151.85	1143.01	1141.28	1140.48	1175.05	1170.11	NM	1164.10	1164.59
MW-9	1287.77	154.70	1148.07	1141.98	1140.16	1139.32	1174.22	1169.28	1166.20	1163.28	1163.60
MW-10	1286.76	139.27	1162.49	1141.36	1139.62	1138.80	1173.93	1169.02	1165.94	1163.00	1163.34
MW-11	1318.65	143.44	1190.21	NI	NI	NI	NI	1183.27	1183.10	1183.00	1183.12
PZ-11	1318.67	180.45	1153.22	NI	NI	NI	NI	1170.46	1167.30	1164.37	1164.69
MW-12	1281.57	106.44	1190.13	NI	NI	NI	NI	1186.52	1185.29	1184.07	1184.95
PZ-12	1281.49	152.40	1144.09	NI	NI	NI	NI	1167.11	1164.03	1161.21	1161.46

Notes:
Elevations are reported as feet above mean sea level
NI = Not Installed
NM = Not Measured

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Table A.7. (page 3 of 3)
Water Level Elevations (in feet)

Groundwater Monitoring Point	Top of Riser Elevation (feet)	Depth to Bottom (feet)	Top of Screen Elevation (feet)	10/20/2010	1/18/2011	4/27/2011	7/27/2011	10/19/2011	1/17/2012	4/10/2012	7/26/2012
MW-1	1287.23	112.57	1189.66	1190.03	1192.42	1191.95	1193.58	1194.03	1191.88	1189.20	1185.55
MW-1P	1287.03	147.29	1149.74	1178.87	1182.25	1182.98	1185.53	1184.92	1181.64	1177.66	1172.86
MW-2	1286.09	114.53	1186.56	1191.98	1193.92	1193.16	1194.86	1195.19	1192.93	1190.29	1186.77
MW-3	1287.31	114.76	1187.55	1190.48	1192.70	1192.19	1193.86	1194.28	1192.16	1189.43	1185.95
MW-4	1288.68	139.27	1164.41	1179.35	1182.62	1183.28	1185.77	1185.25	1182.17	1178.20	1173.45
MW-5	1286.77	149.39	1152.38	1178.65	1181.95	1182.70	1185.23	1184.65	1181.35	1177.40	1172.61
MW-6	1289.81	152.16	1152.65	1178.20	1181.62	1182.38	1184.87	1184.30	1181.09	1177.04	1172.22
MW-6A	1289.42	177.84	1116.58	1177.84	1181.27	1182.07	1184.46	1183.97	1180.72	1176.70	1171.91
MW-7	1289.42	120.30	1184.12	1191.47	1193.32	1192.53	1194.61	1194.71	1192.33	1189.46	1184.45
MW-8	1295.75	158.90	1151.85	1179.23	1164.56	1183.21	1185.80	1185.23	1182.07	1177.98	1173.17
MW-9	1287.77	154.70	1148.07	1178.26	1181.68	1182.47	1184.97	1184.37	1181.04	1177.08	1172.29
MW-10	1286.76	139.27	1162.49	1177.88	1181.37	1182.14	1184.63	1184.05	1180.73	1176.76	1172.00
MW-11	1318.65	143.44	1190.21	1187.82	1189.43	1189.04	1191.67	1191.38	1188.60	1185.91	1183.96
PZ-11	1318.67	180.45	1153.22	1179.64	1183.19	1183.81	1186.44	1185.66	1182.41	1178.09	1173.17
MW-12	1281.57	106.44	1190.13	1192.76	1195.19	1194.27	1195.55	1195.99	1193.89	1191.47	1188.03
PZ-12	1281.49	152.40	1144.09	1175.99	1179.65	1180.48	1182.96	1182.36	1179.08	1175.08	1170.39

Notes:
Elevations are reported as feet above mean sea level
NI = Not Installed
NM = Not Measured

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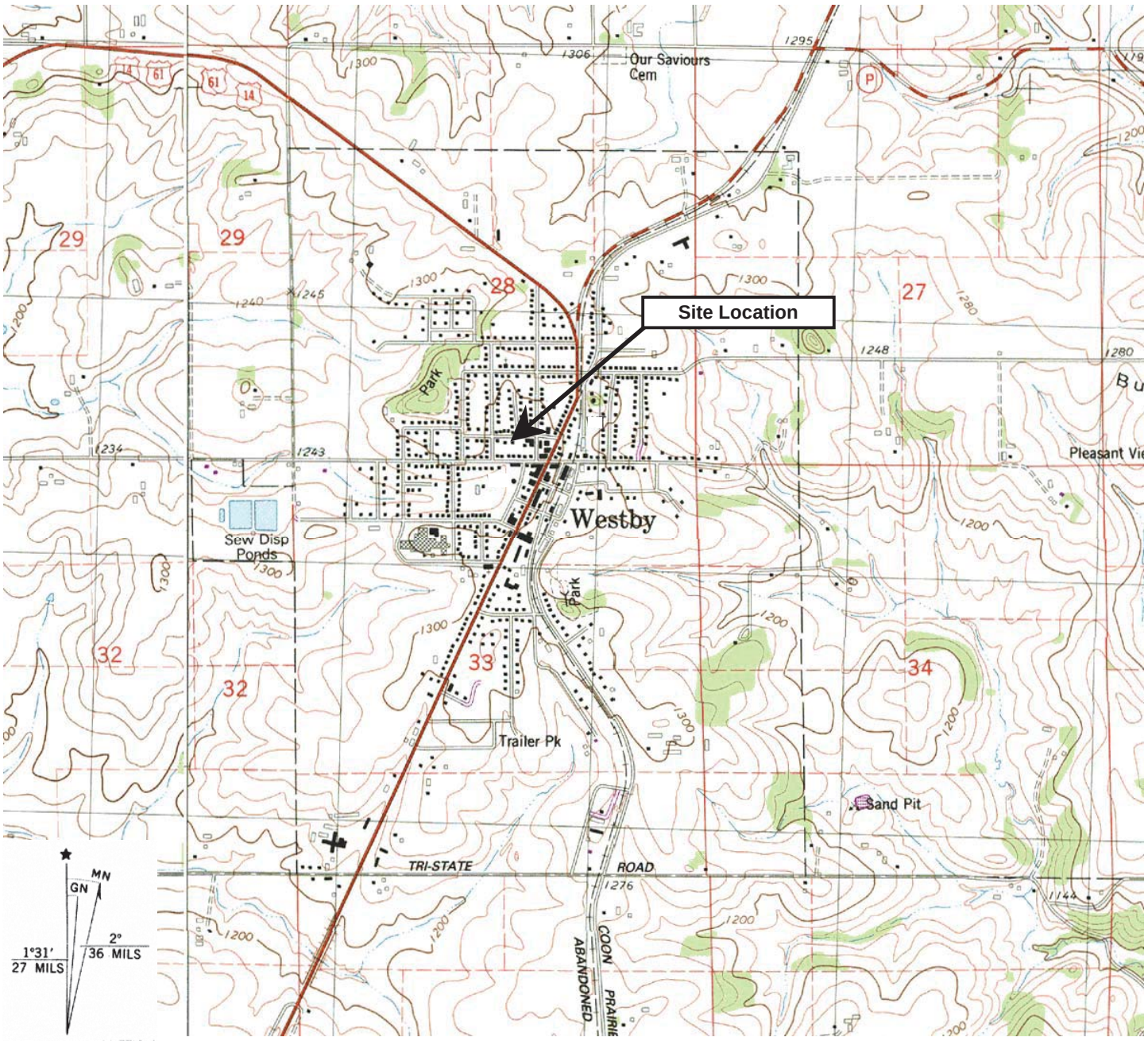
Table A.8.
Groundwater Natural Attenuation Parameter Results

Well	Date	Temperature (°F)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Oxidation Reduction Potential (mV)	pH (standard units)	Specific Conductance (mS/cmc)	Specific Conductance (mS/cm)	Nitrate (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (ug/L)	Dissolved Manganese (mg/L)	Ferrous Iron (mg/L)
MW-1	7/21/2010	55.58	10.63	100.9	7.9	7.48	0.823	0.638	8.4	22	0.40	<14.0	<11.0	<15.0	0.13	0.712
MW-1	7/27/2011	54.72	9.15	87.8	85.6	7.25	0.739	0.570	11.7	27	0.4	<600	<400	1,470	<0.0050	<0.027
MW-1P	7/21/2010	52.50	11.13	101.4	8.5	7.46	0.750	0.556	11.0	21	<0.20	<14.0	<11.0	<15.0	<0.0050	0.0670
MW-1P	7/27/2011	54.25	9.35	88.1	36.4	7.46	0.869	0.662	14.8	27	0.5	<600	<400	1,280	0.0075	0.474
MW-2	7/21/2010	53.10	9.90	92.0	9.8	7.30	0.708	0.529	6.8	25	<0.20	<14.0	<11.0	<15.0	<0.0050	0.106
MW-2	7/27/2011	55.78	10.59	101.8	42.9	7.41	0.807	0.627	5.27	30	0.5	<600	<400	1,030	<0.0050	<0.027
MW-3	7/21/2010	53.88	9.52	90.0	10.8	7.36	1.497	1.136	17	22	<0.20	<14.0	<11.0	<15.0	0.0098	0.0700
MW-3	7/27/2011	53.89	9.05	84.6	41.2	7.38	0.827	0.624	6.64	28	0.3	<600	<400	1,400	<0.0050	0.076
MW-4	7/21/2010	53.42	9.73	90.6	1.7	7.34	0.899	0.678	9.3	25	<0.20	<14.0	<11.0	<15.0	0.14	0.249
MW-4	7/27/2011	53.46	10.23	96.3	74.2	7.19	0.807	0.610	10.1	28	<0.3	<600	<400	1,010	0.00670	0.253
MW-5	7/21/2010	51.93	10.50	95.5	1.0	7.38	0.723	0.531	9.9	22	<0.20	<14.0	<11.0	<15.0	<0.0050	0.0610
MW-5	7/27/2011	59.49	10.82	105.3	48.5	7.38	0.795	0.650	8.05	25	0.5	<600	<400	1,460	0.00700	0.073
MW-6	7/20/2010	52.46	7.90	73.4	1.5	7.31	0.828	0.629	8.0	23	<0.20	<14.0	<11.0	<15.0	<0.0050	0.132
MW-6	7/27/2011	56.57	8.81	85.3	37.9	7.33	0.865	0.678	7.28	28	0.5	<600	<400	1,600	<0.0050	<0.027
MW-6A	7/20/2010	52.38	4.53	43.1	0.8	7.15	0.707	0.546	6.5	20	0.40	<14.0	<11.0	<15.0	<0.0050	<0.0200
MW-6A	7/27/2011	56.62	9.62	93.0	49.6	7.44	0.737	0.578	6.11	22	0.6	<600	<400	1,700	<0.0050	<0.027
MW-7	7/21/2010	53.54	10.60	98.7	9.0	7.49	0.789	0.594	7.1	18	<0.20	<14.0	<11.0	<15.0	<0.0050	0.495
MW-7	7/28/2011	54.48	9.33	87.8	8.0	7.62	0.787	0.599	5.85	19	0.6	<600	<400	1,400	<0.0050	0.360
MW-8	7/21/2010	52.63	5.94	54.6	3.7	7.14	1.004	0.746	9.6	23	3.6	<14.0	<11.0	<15.0	<0.0050	0.024
MW-8	7/27/2011	54.93	8.66	81.8	52.1	7.20	0.924	0.706	10.6	35	0.7	<600	<400	1,340	0.0121	<0.027
MW-9	7/21/2010	51.02	9.10	81.7	8.8	7.15	0.721	0.522	6.7	20	<0.20	<14.0	<11.0	<15.0	<0.0050	0.169
MW-9	7/28/2011	54.25	9.81	92.1	13.4	7.54	0.675	0.512	6.02	24	0.5	<600	<400	1,920	<0.0050	0.243
MW-10	7/21/2010	52.32	10.30	94.7	15.5	6.97	0.811	0.600	9.5	20	0.40	<14.0	<11.0	<15.0	<0.0050	0.0790
MW-10	7/28/2011	55.13	9.05	86.0	5.9	7.43	0.770	0.592	8.41	24	1.0	<600	<400	1,670	0.0082	0.228
MW-11	7/20/2010	51.22	9.48	85.6	23.2	7.38	0.677	0.492	5.2	33	3.6	<14.0	<11.0	<15.0	<0.0050	0.208
MW-11	7/27/2011	53.35	10.09	93.8	51.7	7.49	0.661	0.495	3.49	29	0.4	<600	<400	1,590	<0.0050	3.37
PZ-11	7/20/2010	50.97	10.04	90.4	24.3	6.73	0.633	0.463	6.9	16	<0.20	<14.0	<11.0	<15.0	<0.0050	<0.0200
PZ-11	7/27/2011	57.56	9.32	91.4	69.7	7.47	0.641	0.509	6.17	18	0.7	<600	<400	701	0.0125	<0.027
MW-12	7/20/2010	53.12	9.22	85.0	8.0	7.23	0.714	0.535	8.6	29	<0.20	<14.0	<11.0	<15.0	0.0076	0.363
MW-12	7/28/2011	54.34	8.90	83.3	-40.7	7.93	0.810	0.616	8.7	40	0.5	<600	<400	1,930	<0.0050	0.570
PZ-12	7/20/2010	52.31	8.05	73.7	6.7	7.04	0.786	0.580	8.8	24	<0.20	<14.0	<11.0	<15.0	<0.0050	<0.0200
PZ-12	7/28/2011	55.15	6.83	64.9	-60.6	8.05	0.788	0.605	7.93	26	0.5	<600	<400	1,900	6.60	0.731

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WESTBY QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET

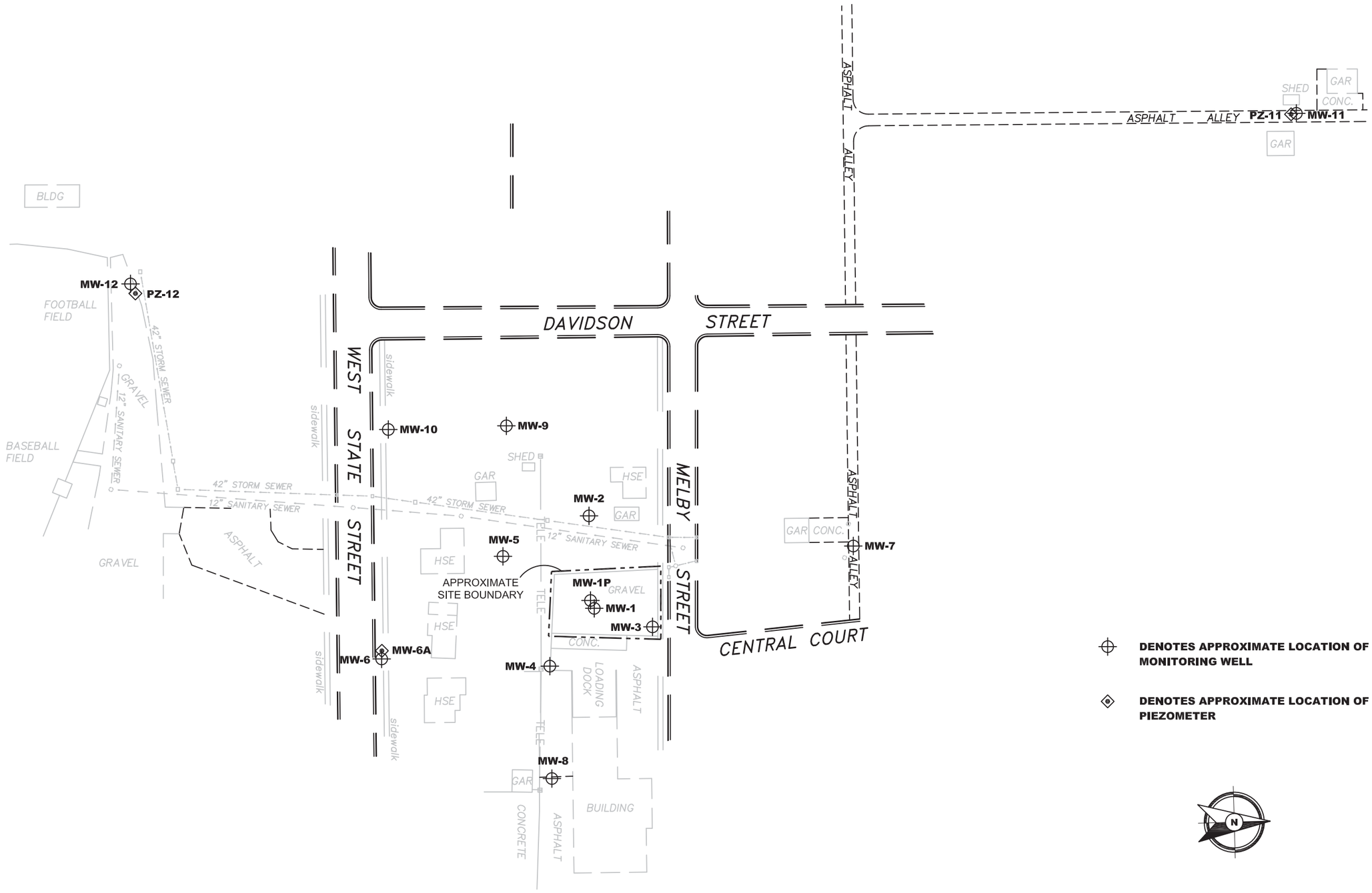
QUADRANGLE LOCATION

Sheet: of
Fig: B.1.a.

Project No:	LC-08-04945
Drawing No:	LC-08-04945
Scale:	None
Drawn By:	KLH
Date Drawn:	10/30/08
Checked By:	JJW
Last Modified:	10/30/08

SITE LOCATION MAP
WESTBY DRY CLEANERS SITE
213 MELBY STREET
WESTBY, WISCONSIN

BRAUN INTERTEC
2831 Larson Street
La Crosse, WI 54603
PH. (608) 781-7277
FAX (608) 781-7279



DENOTES APPROXIMATE LOCATION OF MONITORING WELL

DENOTES APPROXIMATE LOCATION OF PIEZOMETER

50' 0 100'

SCALE: 1" = 100'

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DETAILED SITE MAP
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

Project No: LC0804945

Drawing No: LC0804945A

Scale:	1" = 100'
Drawn By:	BJB
Date Drawn:	1/4/10
Checked By:	KDN
Last Modified:	8/7/13

Sheet: of

Fig: B.1.b

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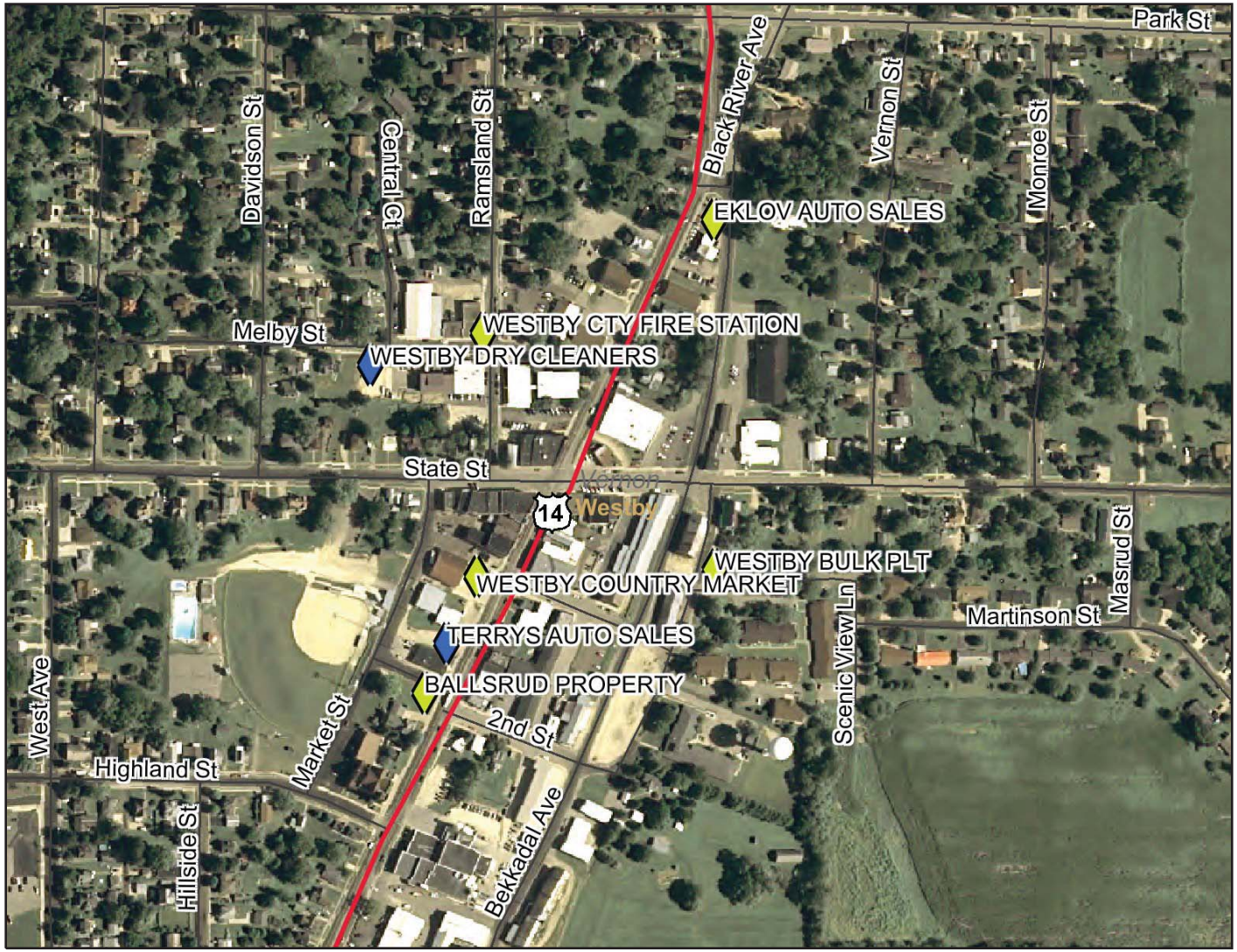
RR Site Map



Legend

- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- Railroads
- County Roads (WDOT)
- County Trunk Highway
- State and U.S. Highways (WDOT)
- State Trunk Highway
- US Highway
- Interstate Highways (WDOT)
- Interstate Highway
- Local Roads (WDOT)
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities

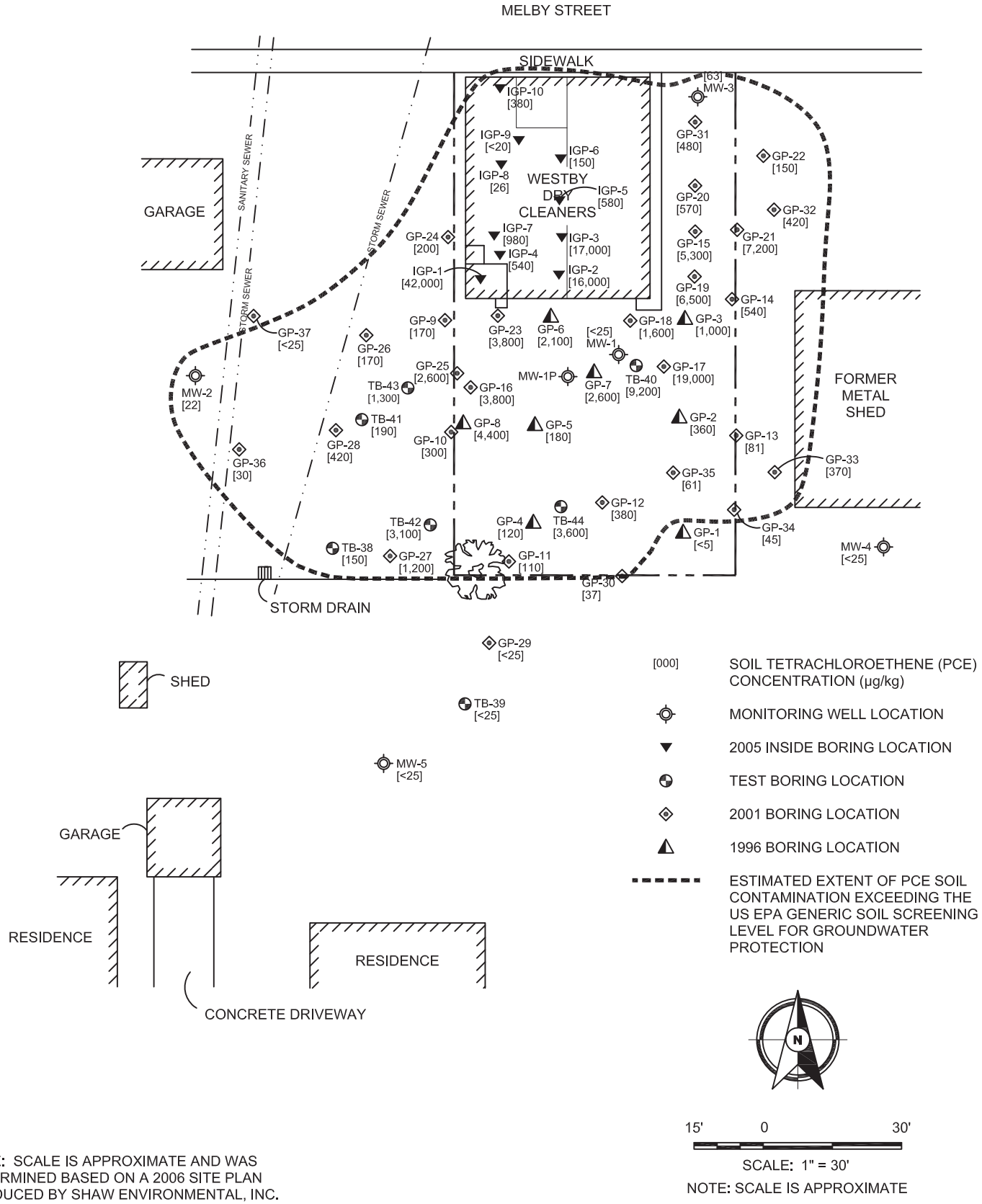
0 500 1000 1500 ft.

Map created on Jul 18, 2013

Note: Not all RR Sites have been geo-located yet.

Scale: 1:5,000

Notes: Fig. B.1.c.



NOTE: SCALE IS APPROXIMATE AND WAS DETERMINED BASED ON A 2006 SITE PLAN PRODUCED BY SHAW ENVIRONMENTAL, INC.

Sheet: of

Fig: B.2.a

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Drawing No:	LC0804945
Scale:	1"= 30'±
Drawn By:	JAG
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	8/13/13

PRE REMEDIAL SOIL PCE CONTAMINATION MAP

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

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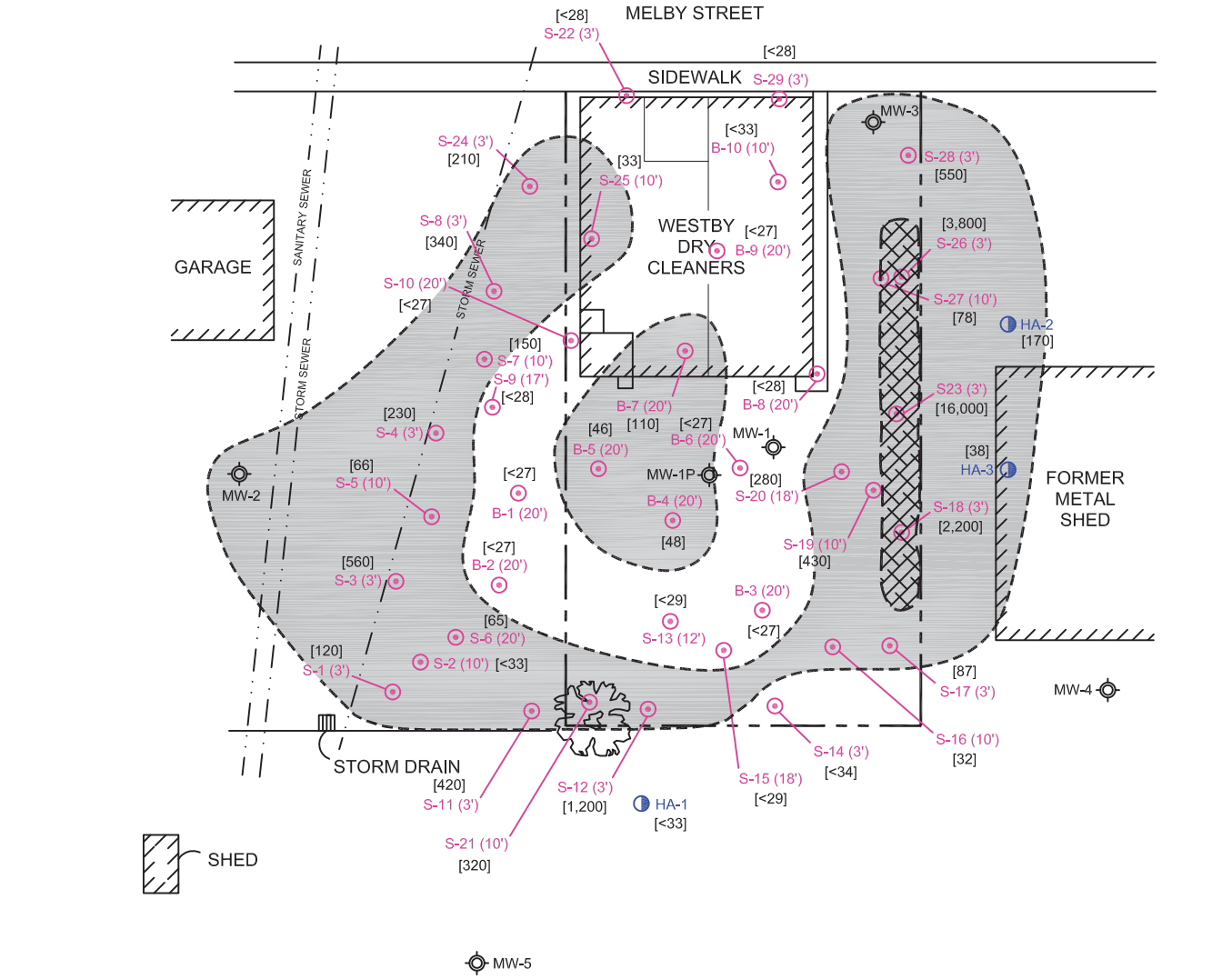

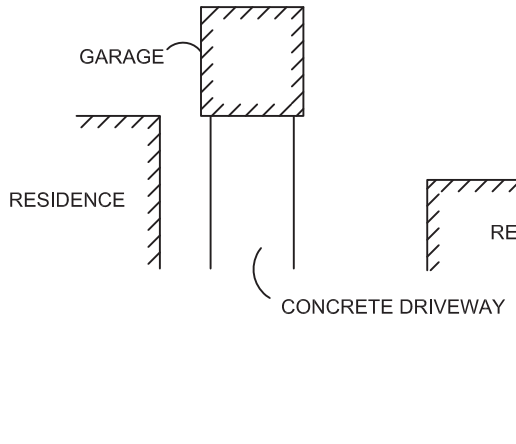

15' 0 30'

SCALE: 1" = 30'

NOTE: SCALE IS APPROXIMATE

[000] SOIL TETRACHLOROETHENE (PCE) CONCENTRATION (µg/kg)

MONITORING WELL LOCATION

HAND AUGER BORING LOCATION

SOIL SAMPLE LOCATION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SOIL SCREENING LEVEL FOR GROUNDWATER PROTECTION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SCREENING LEVEL FOR INGESTION (DIRECT-CONTACT RCL)

NOTE: SCALE IS APPROXIMATE AND WAS DETERMINED BASED ON A 2006 SITE PLAN PRODUCED BY SHAW ENVIRONMENTAL, INC.

Sheet: of

Fig: B.2.b

Project No:	LC0804945
Drawing No:	LC0804945
Scale:	1"= 30'±
Drawn By:	JAG
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	10/2/13

POST REMEDIAL SOIL PCE CONTAMINATION MAP

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

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Minneapolis, MN 55438
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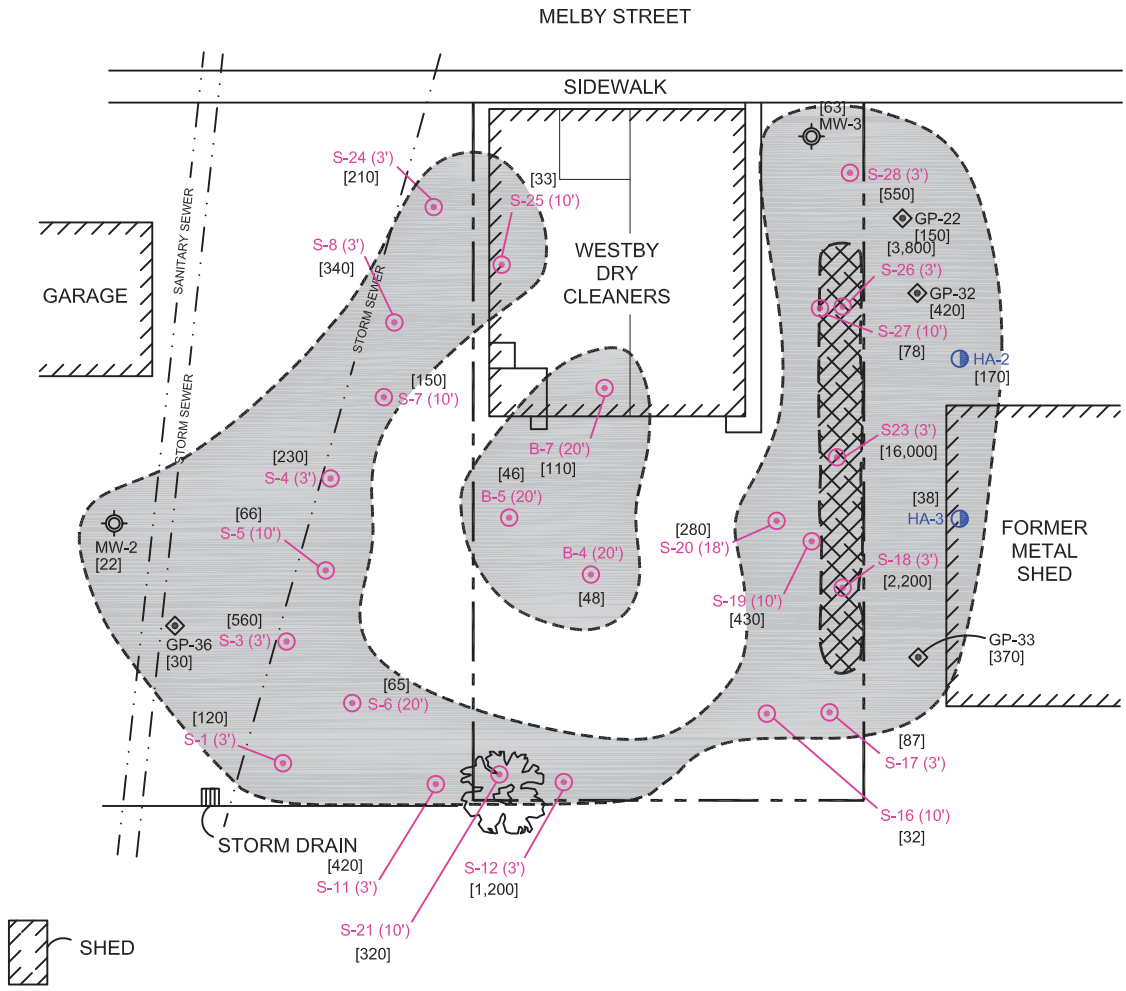

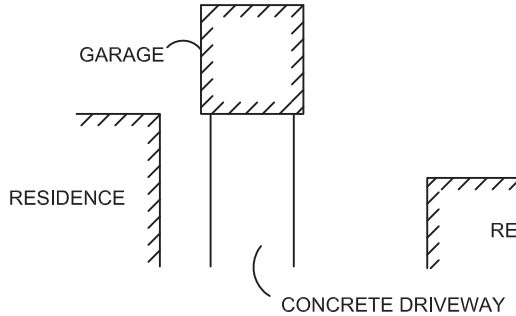

15' 0 30'

SCALE: 1" = 30'

NOTE: SCALE IS APPROXIMATE

[000] SOIL TETRACHLOROETHENE (PCE) CONCENTRATION (µg/kg)

MONITORING WELL LOCATION

HAND AUGER BORING LOCATION

SOIL SAMPLE LOCATION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SOIL SCREENING LEVEL FOR GROUNDWATER PROTECTION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SCREENING LEVEL FOR INGESTION (DIRECT-CONTACT RCL)

NOTE: SCALE IS APPROXIMATE AND WAS DETERMINED BASED ON A 2006 SITE PLAN PRODUCED BY SHAW ENVIRONMENTAL, INC.

Sheet: of

Fig: B.2.c

Project No:	LC0804945
Drawing No:	LC0804945
Scale:	1"= 30'±
Drawn By:	JAG
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	10/2/13

PRE / POST REMEDIAL SOIL PCE CONTAMINATION MAP

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

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Minneapolis, MN 55438
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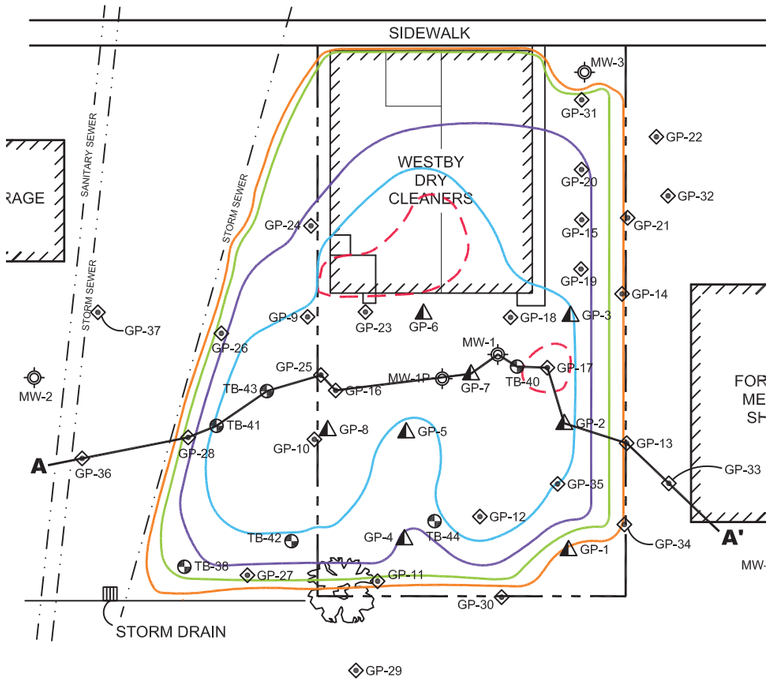


MONITORING WELL LOCATION

TEST BORING LOCATION

2001 BORING LOCATION

1996 BORING LOCATION

POTENTIAL HAZARDOUS WASTE SOIL LOCATION

LAND DISTURBANCE AREA

4' EXCAVATION DEPTH

10' EXCAVATION DEPTH

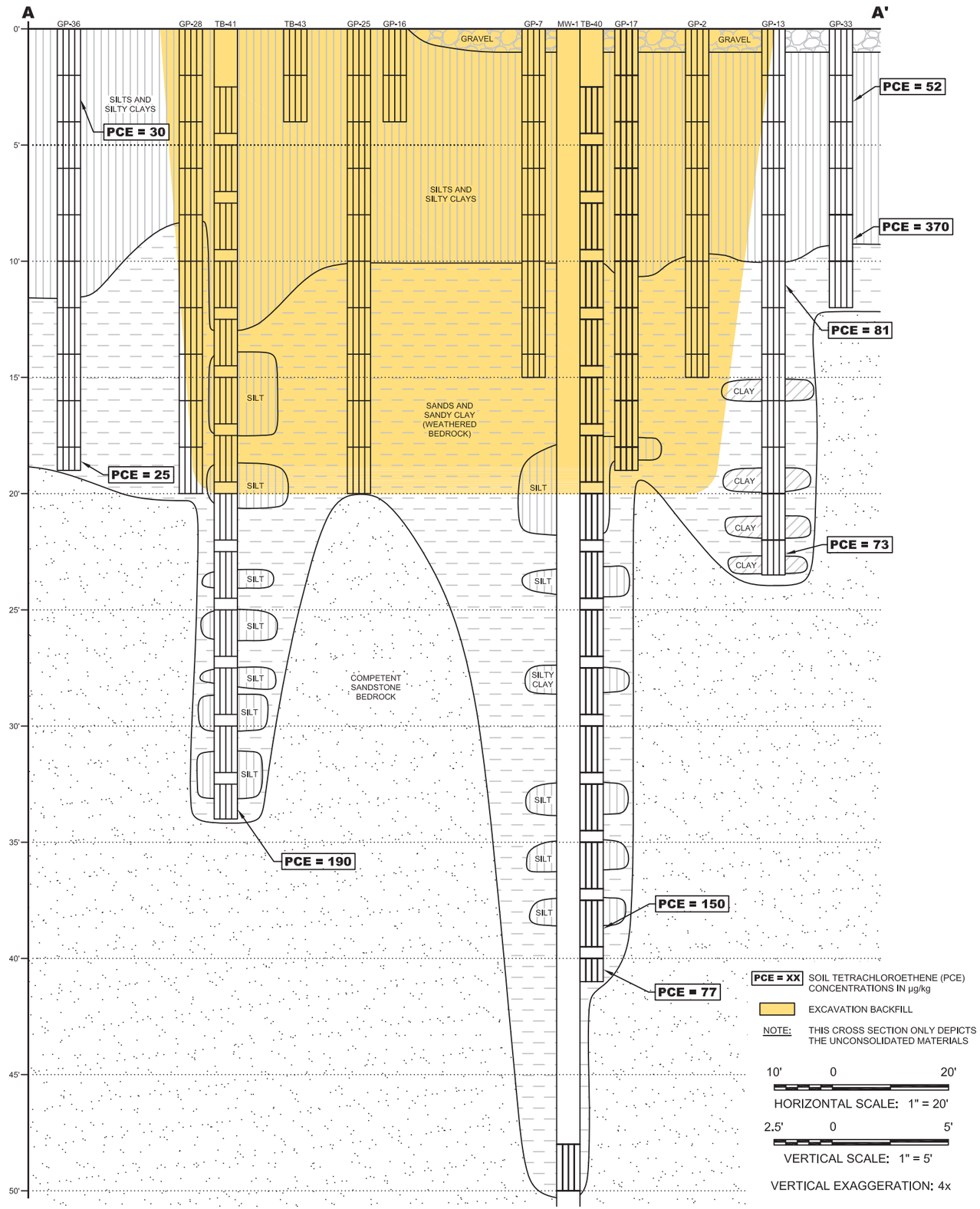
20' EXCAVATION DEPTH

N

15' 0 30'

SCALE: 1" = 30'

NOTE: SCALE IS APPROXIMATE



PCE = XX SOIL TETRACHLOROETHENE (PCE) CONCENTRATIONS IN µg/kg

EXCAVATION BACKFILL

NOTE: THIS CROSS SECTION ONLY DEPICTS THE UNCONSOLIDATED MATERIALS

10' 0 20'

HORIZONTAL SCALE: 1" = 20'

2.5' 0 5'

VERTICAL SCALE: 1" = 5'

VERTICAL EXAGGERATION: 4x

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GEOLOGIC CROSS SECTION A-A'
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

Project No: LC0804945

Drawing No: LC0804945

Scale:	AS SHOWN
Drawn By:	BJB
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	8/7/13

Sheet: of

Fig: B.3.a.1

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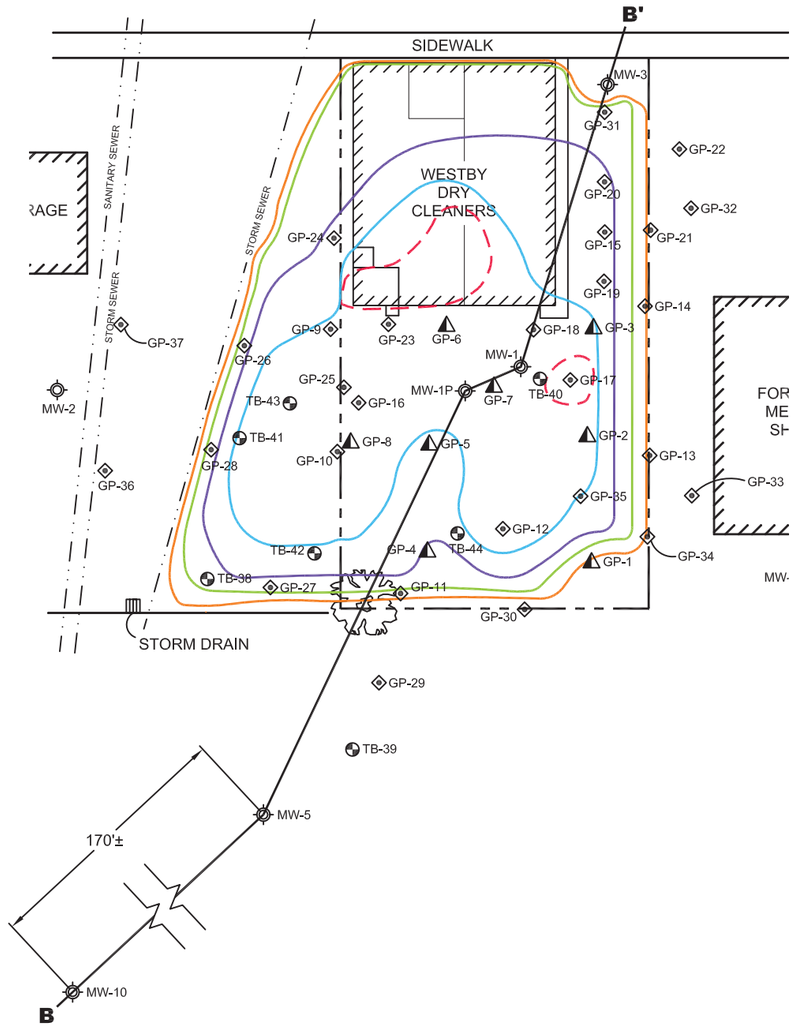

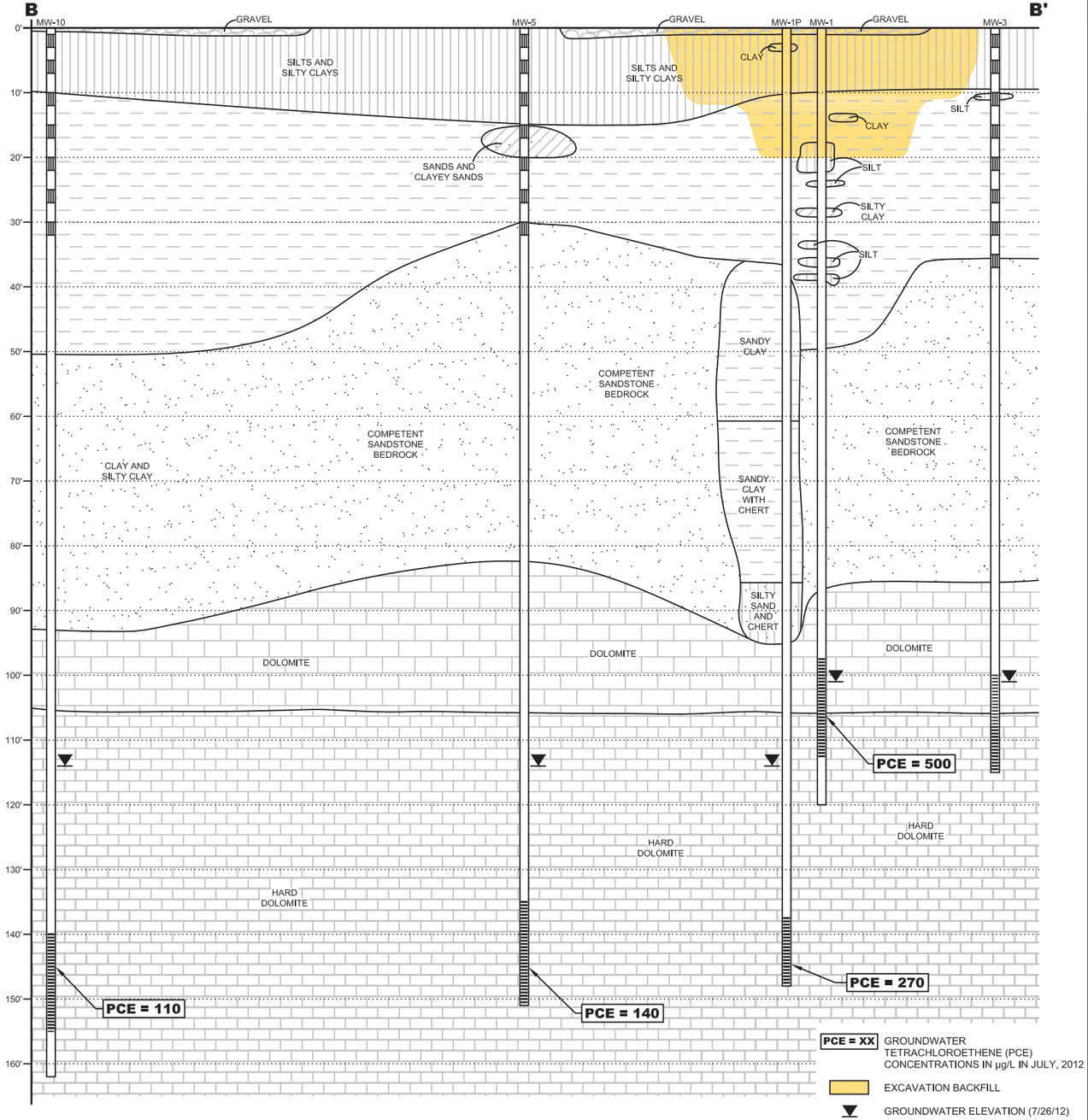

N

15' 0 30'

SCALE: 1" = 30'

NOTE: SCALE IS APPROXIMATE

MONITORING WELL LOCATION

TEST BORING LOCATION

2001 BORING LOCATION

1996 BORING LOCATION

POTENTIAL HAZARDOUS WASTE SOIL LOCATION

LAND DISTURBANCE AREA

4' EXCAVATION DEPTH

10' EXCAVATION DEPTH

20' EXCAVATION DEPTH

PCE = XX GROUNDWATER TETRACHLOROETHENE (PCE) CONCENTRATIONS IN µg/L IN JULY, 2012

EXCAVATION BACKFILL

GROUNDWATER ELEVATION (7/26/12)

30' 0 60'

HORIZONTAL SCALE: 1" = 60'

10' 0 20'

VERTICAL SCALE: 1" = 20'

VERTICAL EXAGGERATION: 3x

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GEOLOGIC CROSS SECTION B-B'
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

Project No: LC0804945

Drawing No: LC0804945

Scale:	AS SHOWN
Drawn By:	BJB
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	8/7/13

Sheet: of

Fig: B.3.a.2

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GROUNDWATER PCE CONCENTRATION MAP (JULY, 2012)
REMEDIAL ACTION IMPLEMENTATION
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

ESTIMATED EXTENT OF GROUNDWATER CONCENTRATIONS EXCEEDING NR140 PAL

ESTIMATED EXTENT OF GROUNDWATER CONCENTRATIONS EXCEEDING NR140 ES

GROUNDWATER FLOW DIRECTION (LOWER UNIT) ON 7/26/12

APPROXIMATE SITE BOUNDARY

DAVIDSON STREET

WEST STATE STREET

MELBY STREET

CENTRAL COURT

ASPHALT ALLEY

CENTRAL COURT RIGHT OF WAY

42" STORM SEWER

12" SANITARY SEWER

sidewalk

FOOTBALL FIELD

BLDG.

LOADING DOCK

GAR

SHED

HSE

CONC.

204 & 206 MARKET ST.

217 W STATE ST.

219 W STATE ST.

215 W STATE ST.

205 W STATE ST.

203 W STATE ST.

201 W STATE ST.

200 W STATE ST.

204 W STATE ST.

206 W STATE ST.

208 W STATE ST.

210 W STATE ST.

214 W STATE ST.

216 W STATE ST.

103 DAVIDSON ST.

219 MELBY ST.

217 MELBY ST.

216 MELBY ST.

214 MELBY ST.

210 MELBY ST.

208 MELBY ST.

201 MELBY ST.

102 CENTRAL CT.

100 CENTRAL CT.

MW-12	[<0.17]	PZ-12	[43]
MW-10	[110]	MW-9	[8.0]
MW-2	[63]		
MW-5	[140]		
MW-1P	[270]		
MW-1	[500]		
MW-3	[350]		
MW-6	[3.3]		
MW-6	[70]		
MW-4	[480]		
MW-8	[270]		
MW-7	[11]		
PZ-11	[<0.17]	MW-11	[<0.17]

[x.xx] TETRACHLOROETHENE (PCE) CONCENTRATION (ug/L)

[x.xx] ITALICS INDICATE PCE CONCENTRATION EXCEEDING NR140 PAL

[x.xx] BOLD INDICATES PCE CONCENTRATION EXCEEDING NR140 ES

⊕ DENOTES APPROXIMATE LOCATION OF MONITORING WELL

◈ DENOTES APPROXIMATE LOCATION OF PIEZOMETER

N

50' 0 100'

SCALE: 1" = 100'

Project No:	LC0804945
Drawing No:	LC0804945A
Scale:	1" = 100'
Drawn By:	BJB
Date Drawn:	1/4/10
Checked By:	KDN
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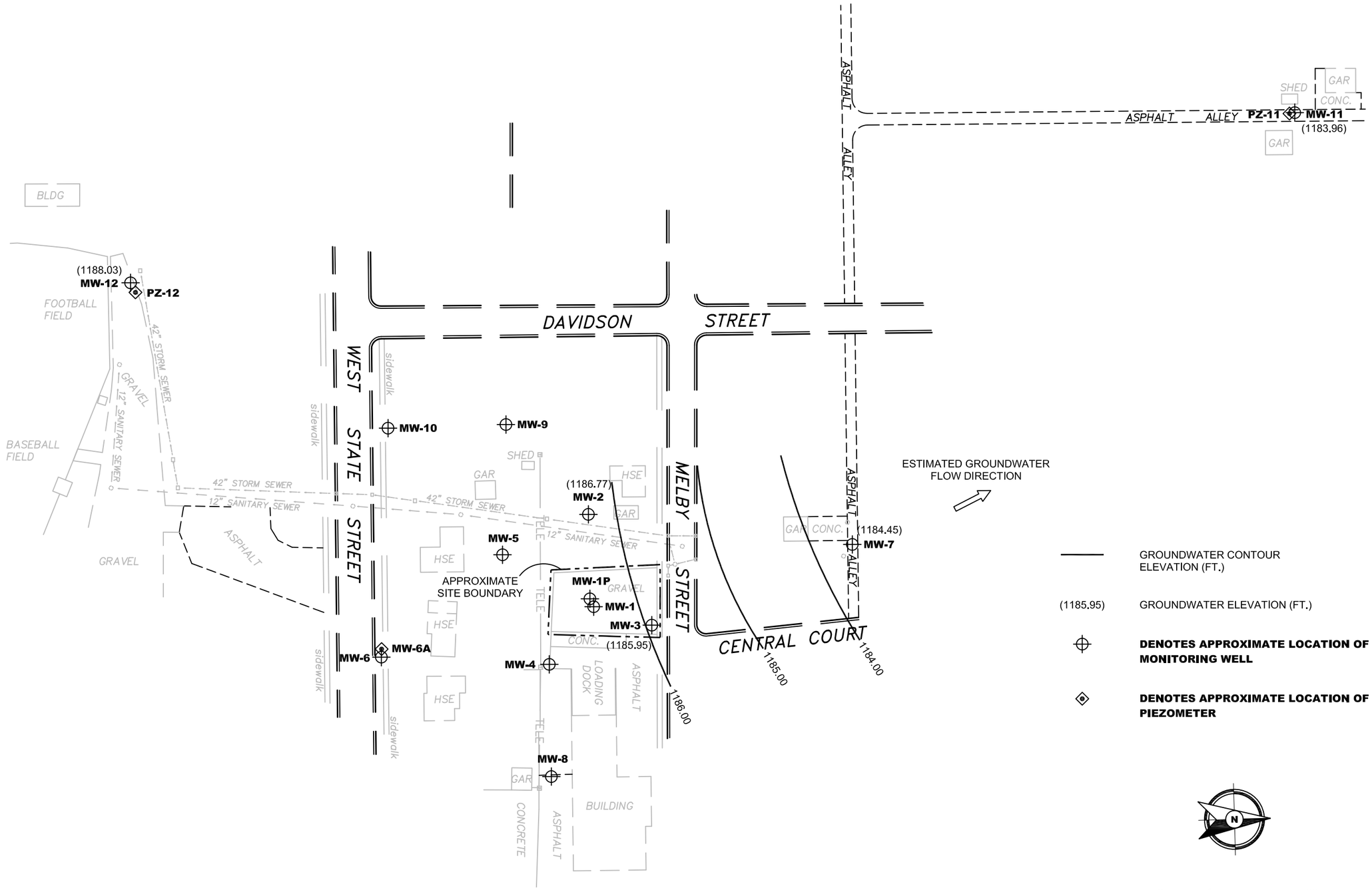

GROUNDWATER ELEVATION MAP - UPPER UNIT (7-26-12)
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

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Minneapolis, MN 55438
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FAX (952) 995-2020

Project No:	LC0804945
Drawing No:	LC0804945A
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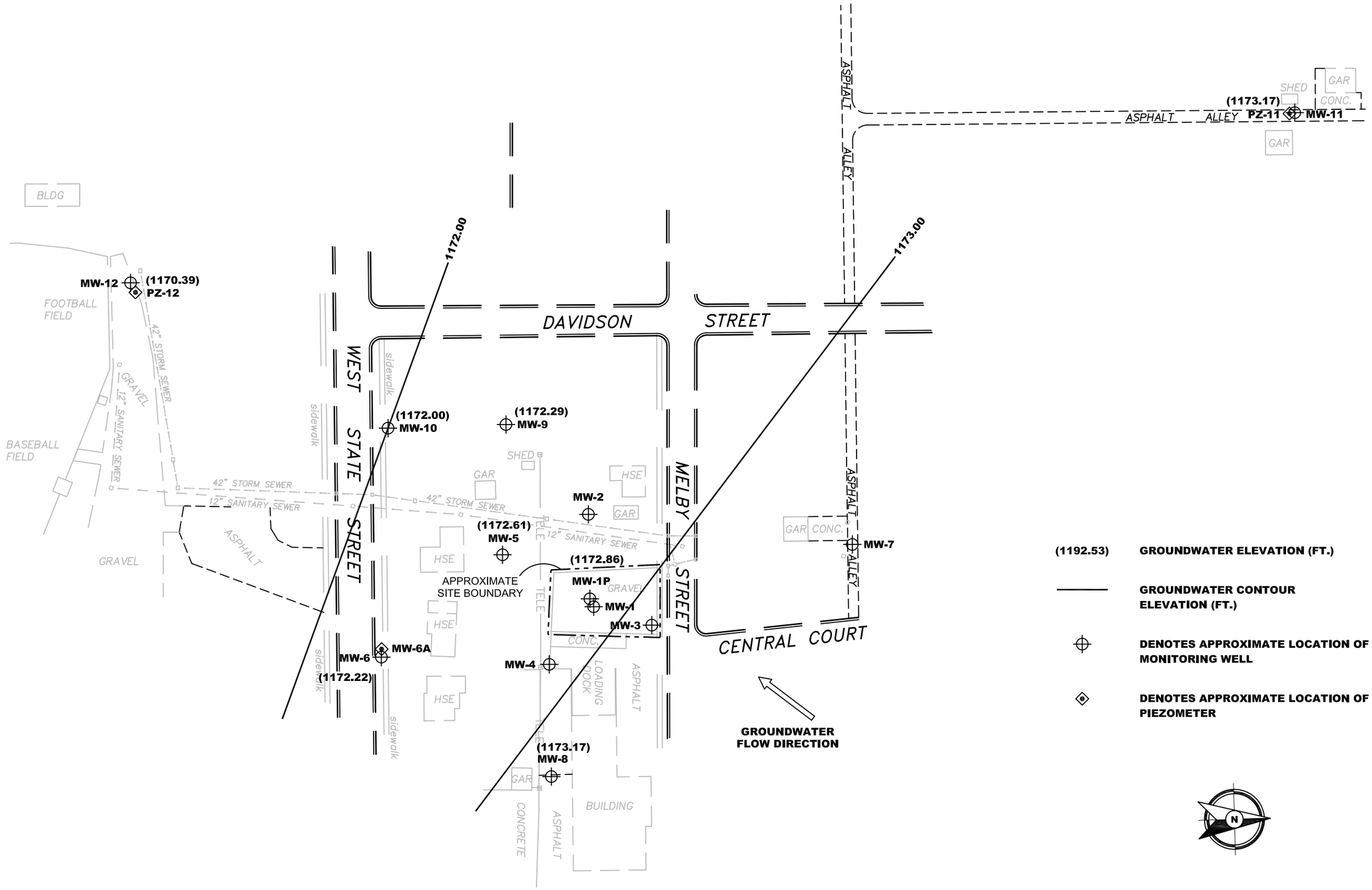

(1192.53) **GROUNDWATER ELEVATION (FT.)**

GROUNDWATER CONTOUR ELEVATION (FT.)

DENOTES APPROXIMATE LOCATION OF MONITORING WELL

DENOTES APPROXIMATE LOCATION OF PIEZOMETER

N

50' 0 100'

SCALE: 1" = 100'

GROUNDWATER CONTOUR MAP - LOWER UNIT (7-26-12)

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

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Minneapolis, MN 55438
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FAX (952) 995-2020

Project No:	LC0804945
Drawing No:	LC0804945A
Scale:	1" = 100'
Drawn By:	BJB
Date Drawn:	1/4/10
Checked By:	KDN
Last Modified:	8/7/13
Sheet: of	Fig: B.3.c.2

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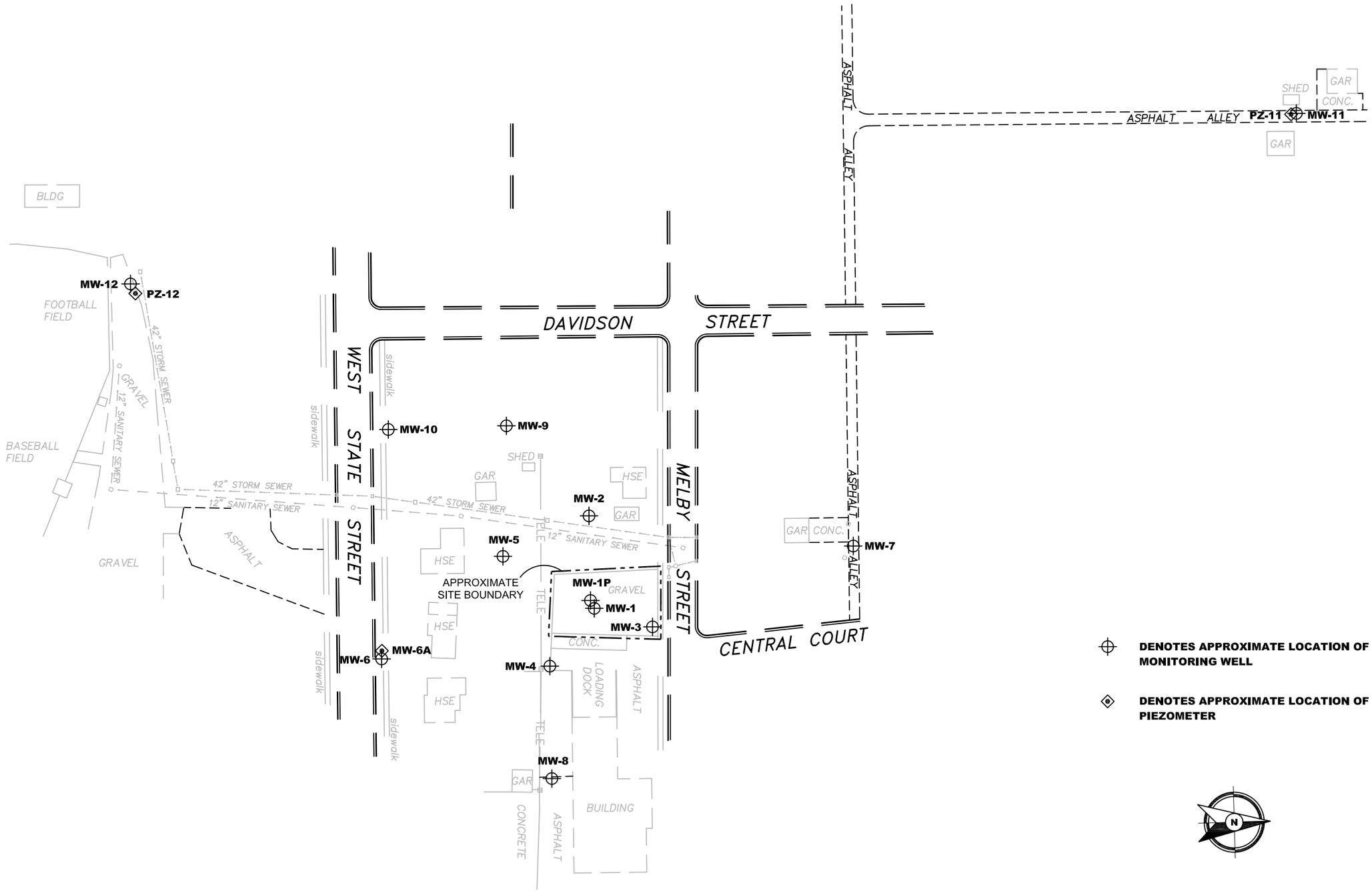

DENOTES APPROXIMATE LOCATION OF MONITORING WELL

DENOTES APPROXIMATE LOCATION OF PIEZOMETER

N

50' 0 100'

SCALE: 1" = 100'

MONITORING WELL LOCATION MAP
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

Project No:	LC0804945
Drawing No:	LC0804945A
Scale:	1" = 100'
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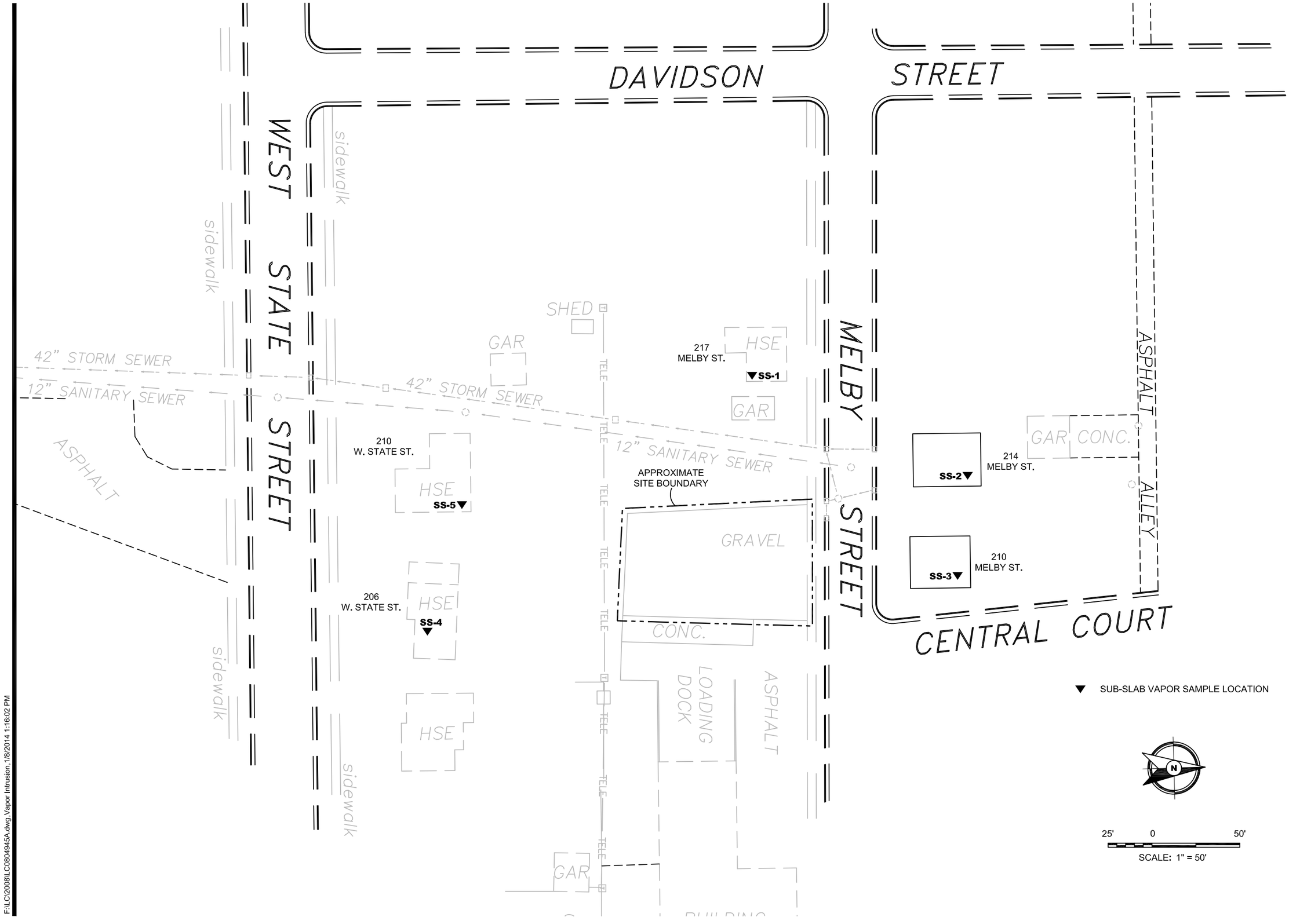

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VAPOR INTRUSION MAP
CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

Project No:	LC0804945
Drawing No:	LC0804945A
Scale:	1" = 50'
Drawn By:	BJB
Date Drawn:	1/4/10
Checked By:	KDN
Last Modified:	10/2/13
Sheet: of	Fig: B.4.a

B.4.b. Other Media of Concern

Surface water and sediment was not assessed since the nearest surface water that could potentially be affected by contamination from the site is the North Fork of the Bad Axe River, which flows in a southwesterly direction beginning approximately 4,000 feet west of the site.

Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at http://dnr.wi.gov/topic/Brownfields/Contact.html

WISCONSIN
DEPT. OF NATURAL RESOURCES

SOIL COVER MAINTENANCE PLAN

Date: October 2, 2013
Property Located at: 213 Melby Street, Westby, WI
FID # 663008390, WDNR BRRTS # 02-63-183796
Parcel ID # 291-00107-000

Introduction

This document is the Maintenance Plan for the soil cover 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 soil cover/gravel barrier occupying the area over the contaminated soil exceeding direct-contact standards on-site.

More site-specific information about this property may be found in:
- The case file in the DNR West Central regional office
- BRRTS on the Web (DNR's internet based data base of contaminated sites): dnr.wi.gov/botw/SetUpBasicSearchForm.do
- GIS Registry PDF file for further information on the nature and extent of contamination: dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2; and
- The DNR project manager for Vernon County.

Description of Contamination

Residual tetrachloroethene (PCE or PERC) impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Ingestion (Non-Industrial Direct-Contact RCL) based on the web calculator of 1,230 µg/kg is located along the eastern site boundary at confirmation sample locations S-18, S-23 and S-26. Each of these sample locations are located on the eastern sidewall of the excavation at a depth of 3 feet below ground surface (bgs). Residual PCE-impacted soil exceeding the U.S. EPA Generic Soil Screening Level for Groundwater Protection (Groundwater RCL) based on the web calculator is located on the source property and extends west onto the 217 Melby Street property and east onto the 201 Melby Street property.

The extent of the soil contamination is shown on the attached Pre/Post Remedial Soil PCE Contamination Map (Figure B.2.c.) in Exhibit A.

Description of the cover to be maintained

The cover over the PCE-impacted soil exceeding the direct-contact RCL consists of approximately 2 feet of compacted sand backfill and one foot of surficial aggregate base/gravel. It is located on the eastern side of the property as shown on the attached Pre/Post Remedial Soil PCE Contamination Map (Figure B.2.c.).

Cover Purpose

The soil cover overlying the PCE-impacted soil exceeding the direct-contact RCL 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.

Annual Inspection

The soil cover overlying the PCE-impacted soil exceeding the direct-contact RCL as depicted in Exhibit A will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause exposure to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where 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 B, Soil Cover Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the soil cover overlying the PCE-impacted soil exceeding the direct-contact RCL is 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.

The property owner, in order to maintain the integrity of the soil cover, 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

The following activities are prohibited on any portion of the property where soil cover is required as shown on the attached map in the area where PCE-impacted soil exceeding the direct-contact RCL, 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: October 2, 2013

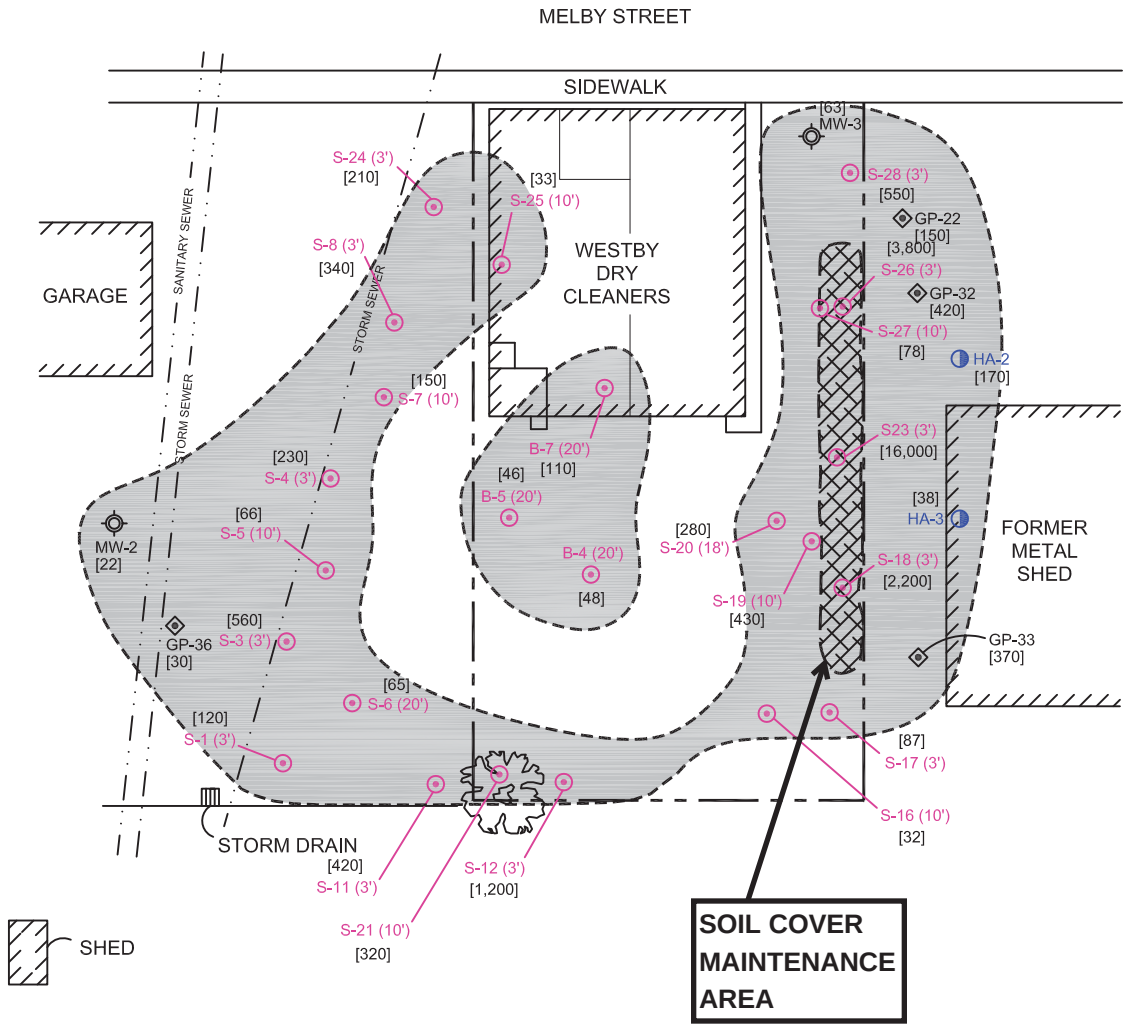
Property Owner: Vernon County (Contact: Ron Hoff, Vernon County Clerk)
Room 108 Courthouse Annes, Viroqua, WI 54665
(608) 637-5380

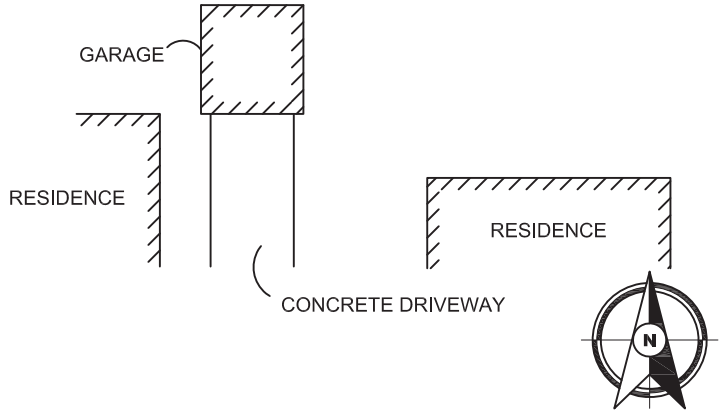
Consultant: Braun Intertec Corporation (Contact: Kevin Nestingen)
2309 Palace Street, La Crosse, WI 54603
(608) 781-7277

WDNR: Dave Rozeboom
473 Griffith Avenue, Wisconsin Rapids, WI 54494
(715) 421-7873

Exhibit A

Pre/Post Remedial Soil PCE Contamination Map





NOTE: SCALE IS APPROXIMATE

[000] SOIL TETRACHLOROETHENE (PCE) CONCENTRATION (µg/kg)

MONITORING WELL LOCATION

HAND AUGER BORING LOCATION

SOIL SAMPLE LOCATION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SOIL SCREENING LEVEL FOR GROUNDWATER PROTECTION

ESTIMATED EXTENT OF PCE SOIL CONTAMINATION EXCEEDING THE US EPA GENERIC SCREENING LEVEL FOR INGESTION (DIRECT-CONTACT RCL)

NOTE: SCALE IS APPROXIMATE AND WAS DETERMINED BASED ON A 2006 SITE PLAN PRODUCED BY SHAW ENVIRONMENTAL, INC.

Sheet: of

Fig: B.2.c

Project No:	LC0804945
Drawing No:	LC0804945
Scale:	1"= 30'±
Drawn By:	JAG
Date Drawn:	4/28/09
Checked By:	KDN
Last Modified:	10/2/13

PRE / POST REMEDIAL SOIL PCE CONTAMINATION MAP

CLOSURE REQUEST SUBMITTAL
FORMER WESTBY DRY CLEANERS
213 MELBY STREET
WESTBY, WISCONSIN

BRAUN INTERTEC
11001 Hampshire Avenue So.
Minneapolis, MN 55438
PH. (952) 995-2000
FAX (952) 995-2020

Exhibit B
Soil Cover *INSPECTION and MAINTENANCE LOG*

Inspection Date	Inspector	Condition of Soil Cover	Recommendations	Has recommended maintenance from previous inspection been implemented?

Attachment E
Monitoring Well Information

All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure.

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Impacted Property Notification Information

Form 4400-246 (R 10/12)

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, where specific circumstances exist at the time of case closure. This form applies to situations where: (1) the party conducting the cleanup does not own the source property; (2) contamination has impacted a neighboring property to a certain degree; and (3) not all monitoring wells can/will be abandoned at the time of closure. A letter notifying these property owners is required of the responsible party if certain circumstances exist. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) specifies those notification requirements. A model "Template for Notification of Residual Contamination and Continuing Obligations" (PUB-RR-919) can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf. 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. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS No.	Activity Name
02-63-183796	Westby Dry Cleaners

						Letter Sent To:			Reasons Letter Sent:							
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
A	102 Central Ct., Westby, WI	291-00094-0000	08/12/2013	450722	353917			X	X							
B	100 Central Ct., Westby, WI	291-00114-0000	08/12/2013	450726	353891			X	X							
C	216 Melby St., Westby, WI	291-00111-0000	08/12/2013	450697	353868			X	X							
D	214 Melby St., Westby, WI	291-00112-0000	08/12/2013	450717	353868			X	X							
E	210 Melby St., Westby, WI	291-00113-0000	08/12/2013	450734	353868			X	X							
F	206 Melby St., Westby, WI	291-00116-0000	08/12/2013	450763	353866			X	X							
G	201 Melby St., Westby, WI	291-00108-0000	08/12/2013	450782	353824			X	X	X						
H	217 Melby St., Westby, WI	291-00106-0000	08/12/2013	450699	353829			X	X	X						

Impacted Property Notification Information

Form 4400-246 (R 10/12)

						Letter Sent To:			Reasons Letter Sent:							
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
I	103 Davidson St., Westby, WI	291-00105-0000	08/12/2013	450699	353818			X	X							
J	216 W State St., Westby, WI	291-00434-0000	08/12/2013	450666	353766			X	X							
K	214 W State St., Westby, WI	291-00435-0000	08/12/2013	450692	353775			X	X							
L	210 W State St., Westby, WI	291-00436-0000	08/12/2013	450716	353775			X	X							
M	208 W State St., Westby, WI	291-00437-0000	08/12/2013	450741	353775			X	X							
N	206 W State St., Westby, WI	291-00260-0000	08/12/2013	450763	353775			X	X							
O	200 W State St., Westby, WI	291-00258-0000	08/12/2013	450804	353775			X	X							
P	201 W State St., Westby, WI	291-00026-0000	08/12/2013	450759	353734			X	X							
Q	203 W State St., Westby, WI	291-00047-0000	08/12/2013	450740	353733			X	X							
R	204 W State St., Westby, WI	291-00259-0000	08/12/2013	450781	353775			X	X							
S	205 W State St., Westby, WI	291-00777-0000	08/12/2013	450721	353730			X	X							
T	215 W State St., Westby, WI	291-00776-0000	08/12/2013	450670	353732			X	X							

Impacted Property Notification Information

Form 4400-246 (R 10/12)

						Letter Sent To:			Reasons Letter Sent:							
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
U	217 W State St., Westby, WI	291-00631-0000	08/12/2013	450648	353732			X	X							
V	219 W State St., Westby, WI	291-00632-0000	08/12/2013	450626	353730			X	X							
W	219 Melby St., Westby, WI	291-00104-0000	08/12/2013	450661	353838			X	X							
X	204 & 206 Market St., Westby, WI	291-00775-0000	08/12/2013	450657	353686			X	X							
Y	Central Court Right-of-Way	291-00115-0000	08/12/2013	450745	353861		X		X							
Z	Melby Street Right-of-Way	N/A	08/12/2013	450729	353848		X		X							
AA	West State Street Right-of-Way	N/A	08/12/2013	450713	353753		X		X							

Westby Dry Cleaners
02-63-183796

RE: Notifications to Owners of Impacted Properties (Attachment F)

Due to the amount of impacted off-site properties the file size became too large to include the Attachment F documents in the GIS Registry packet.

These documents are in the case file and can be reviewed by contacting the Project Manager.

SOURCE PROPERTY

TAX DEED

385873

To All To Whom These Presents Shall Come, Greeting:

VOL 518 PAGE 188

Recorded–Vernon County, WI
Register of Deeds Office–
Betty J. Bolton–Register

FEB 15 2001

Time: 8:30 A.M.

Volume: 518 Page: 188

Fee: 10.00 pd

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS
Vernon Co. Treasurer

PARCEL IDENTIFICATION NUMBER

WHEREAS, Sandra Vold-Brudos, Treasurer of the County of Vernon, has deposited in the office of the County Clerk of the County of Vernon, in the State of Wisconsin, a Tax Certificate of said County, whereby it appears, as the fact is, that the following described piece (or pieces) or parcel (or parcels) of land lying and being situated in the County of Vernon, to-wit:

Lot 5 of J. Davidson's Main Addition
City of Westby, Vernon County, Wisconsin

FEE 77.25(4) EXEMPT

Exempt (77.25)(4)

Was (or were) included in the Tax Certificate issued to the County of Vernon on Sept 1, 1996, for the nonpayment of real property taxes, special assessments, special charges or special taxes, in the amount of 663.00 dollars and 00 cents, in the whole, which sum was the amount assessed and due and unpaid or said tract (or several tracts) of land;

AND WHEREAS it further appears, as the fact is, that the owner (or owners) or claimant (or claimants) of said land has (or have) not redeemed from said certificate the lands which were included as aforesaid, and said lands continue to remain unredeemed, whereby said described lands have become forfeited and the said County is entitled to a conveyance thereof.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS that the County of Vernon, in said State, and the State of Wisconsin, in conformity to law, have given and hereby do give, grant and convey the tract (or several tracts) of land above described, together with the hereditaments and appurtenances, to the said County of Vernon and its assigns, to their sole use and benefit forever.

IN TESTIMONY WHEREOF, I, S.Solverson, the Clerk of the County of Vernon, have executed this deed pursuant to and in virtue of the authority in me vested by the statutes of the State of Wisconsin, and for and on behalf of said State and the County of Vernon aforesaid, and have hereunto subscribed my name officially and affixed the seal of the said Vernon County, at Viroqua in said County of Vernon, this 15 day of February, xx 2001

(Seal)

DONE IN THE PRESENCE OF:

Linda M Allison

Joy E. Conley

Sharon A. Solverson
County Clerk, Vernon County, Wisconsin.
Sharon A. Solverson

STATE OF WISCONSIN)
) ss.
VERNON COUNTY)

On this 15th day of February, 2001, personally came before me the above named Person, to me known to be the person who executed the foregoing Deed of Conveyance, and to be the County Clerk of the County of Vernon in said State, and affixed the seal of the said County thereto, and acknowledged that he/she affixed said seal to and executed said Deed as County Clerk in and for said County and State, for and in the name of the State of Wisconsin and of the County of Vernon aforesaid, and acknowledged that he/she so executed the same as the act and deed of said State and County, for the uses and purposes in said Deed mentioned, and as by law required.

EARL L. BUROS NOTARY PUBLIC STATE OF WISCONSIN

Earl L. Buros
Notary Public,
Vernon County, Wisconsin
My Commission Expires

My Comm. Expires 3/a/2003

draftedby: (Seal) Sandra Vold-Brudos
Vernon County Treasurer

ASSESSOR'S MAP

WESTBY

VERNON COUNTY WISCONSIN

LOCATED IN SECTIONS 27-28-33 & 34 Twp. 14 N.R. 4 W. of the 4th P.M.

SCALE IN FEET 0 40 80

COMPILED BY JOHN R. ICE AND BERLIE MOORE UNDER THE DIRECTION OF THE COMMON COUNCIL

CERTIFICATE OF THE COMMON COUNCIL

RESOLVED AT A Regular MEETING OF THE COMMON COUNCIL OF WESTBY, VERNON COUNTY WIS. May 2d 1930 THAT THE WITHIN ASSESSOR'S PLAT BE APPROVED.

H. Heffernan MAYOR of WESTBY

E. J. Evenson CITY CLERK

**STATE OF WISCONSIN } SS.
COUNTY OF VERNON**

PERSONALLY CAME BEFORE ME THE WITHIN NAMED AND TO ME PERSONALLY KNOWN TO BE THE MAYOR AND CITY CLERK OF SAID CITY OF WESTBY AND ACKNOWLEDGED THAT THE FOREGOING RESOLUTION WAS ADOPTED AS AND FOR THE ACT OF SAID CITY OF WESTBY

NOTARY PUBLIC

MY COMMISSION EXPIRES

I - JOHN R. ICE,

HEREBY CERTIFY THAT THE WITHIN ASSESSOR'S PLAT OF THE CITY OF WESTBY VERNON COUNTY WISCONSIN WAS COMPILED BY ME FROM COUNTY RECORDS, PERSONAL OBSERVATION AND OTHER SOURCES AND IN SUBSTANCE THIS IS A TRUE COPY OF THE ORIGINAL. John R. Ice

CERTIFICATE of REGISTER of DEEDS

I, PAUL T. PAULSEN, CERTIFY THAT THE WITHIN MAP WAS MADE FROM OFFICIAL RECORDS ON FILE IN MY OFFICE AND IS CORRECT TO THE BEST OF MY PERSONAL KNOWLEDGE AND BELIEF.

Paul T. Paulsen REGISTER OF DEEDS VERNON COUNTY WIS.

NOTE WELL

THE ORIGINAL PLAT, ALL ADDITION'S SUBDIVISIONS AND OUTLOTS THAT HERETOFORE HAVE BEEN PLATTED AND RECORDED ARE NOT A PART OF THE ASSESSOR'S PLAT EVEN THOUGH COPIED HEREIN

BEFORE CONVEYING REAL ESTATE ALWAYS COMPARE DESCRIPTION WITH RECORDS THAT PRECEDE THIS.

CITY LIMITS

U.S. NO. 61

STATE ROUTE

LA CROSSE & SOUTH EASTERN R.R.

NO. 11

ST. PAUL & PACIFIC R.R.

NO. 27

MILWAUKEE

CHICAGO

SECTION CENTER

SECTION 28

SECTION 28 27 33 34 CORNER

76 47.76 A.

77 5A. 65 R. 10'

78 84.96A.

75 18.5A.

74 39.5A.

73 30.24A.

72 4.5 A. 4.33A.

71 9A.

70 9.08 A.

69 20. A.

6 38.5 A.

9 3.5 A.

8 10 A.

7 12 A.

6 A.

40 10.75A.

38 3.5 A.

39

28 3.25A

29 1.57A

80 40 A. 7.25 A

79 4A. CITY PARK

48 3.5A

49 1.71A

51

63

66 11. A.

53 1.8 A.

61 2.75A

62 3A.

60

2 5A

3 21.75A.

5 10.5A.

1 4

5 2.2 A.

6 4.5A.

WASHINGTON ST.

2ND ADD

D.O. SWIGGUM'S ADD

N.PT. BLOCK C

JENS DAVIDSONS NORTH ADD.

DAVIDSONS PARK AVE.

EXTENSION OF DAVIDSONS 3RD ADD

N.PT. BLK. A

MAIN ADDITION

RAMSLAND

MELBY ST.

JENS DAVIDSONS PRAIRIE ST. ADD

JENS DAVIDSONS OAK ST. 3RD ADD

JENS DAVIDSONS WEST ADD

DAVIDSONS MAIN ADD

KNUTSON ADD.

OAKS PLAT

SARAH WESTBY ADD

DAVIDSONS 4TH ADD

THORESON, BARSTAD & FLUGSTAD ADD.

BLACK RIVER AVE.

STREET

LIST OF OUTLOTS

LIST OF OUTLOTS SECTION 28

SECTION 33	
1	Amundson
2	Amundson
3	Eiel Eielson
4	L.W. Southern
5	G. Gabrielson
6	School
7	Marcus Bergum
8	City of Westby
9	John Olson
10	W.C.R. Church
11	Carl T. Neprud
12	E. Erickson
13	Henry Nerison
14	O.T. Nestengen
15	S.T. Larson
16	Simon Engebretson
17	E.C. Balsrud
18	B. Berdh
19	Mrs. Borgen
20	T. Ostrem
21	Andrew Swendson
22	D.S. Froiland Est.
23	Augusta Nelson
24	Theodore Johnson
25	Mathia Mikkelson
26	J. Steenberg
27	Axel Johnson
28	Mathia Swenson
29	Carl Hovde
30	Anton Anderson
31	Mabel Nelson
32	Chester Mitby
33	M. Syverson
34	Mrs. C. Storsveen
35	Theo. Rudie
36	A. Froiland
37	Carl Thompson
38	J. Bakken
39	Lester Peterson + etal.
40	T. Mahlum
41	M. Syverson
42	B. Galstad
43	Mrs. G. Larson
44	O. Johnson
45	M. Syverson
46	M. Thompson
47	Melvin Syverson + Ella Hanson
48	O.G. Lindvig
49	G.E. Lindvig
50	O.L. Holmen
51	O.I. Holmen
52	Miss. T. Syverson
53	M. Syverson
54	Mrs. L. Hanson
55	O. Thalhoug
56	Mrs. Mollo Neprud
57	Westby Coop. Creamery
58	Amelia Miller
59	Sarah Mockrud
60	O.P. Role
61	Rudrud Bros
62	E. Blihovde
63	O.P. Johnson
64	B.O. Johnson
65	C.I. Olson
66	United Church
67	Mrs. M. Nelson.
68	Anton Syverson Est.
69	A. Neprud
70	A.J. Steenson
71	A.E. Mitby
72	T.A. Samb
73	Anton Syverson
74	Andrew Swiggum Est.
75	Carl Johnson
76	C. Wang
77	O. Hanson
78	Ella Galstad
79	Mrs. P. Martinson
80	A. Haakenson
81	T.J. Thorson
82	A. Running
83	Mrs. Brendum
84	Hans Galstad Est.
85	Hans Galstad Est.
86	S. Allikson
87	Meth Thompson
88	Meth Thompson
89	Mrs. Marie Hovland
90	Mrs. Marie Hovland
91	Mrs. Maila Olson
92	
93	
94	

SECTION 34	
1	Mrs. Marie Hovland
2	Hans J. Syverson
3	Christ Helgeson
4	Christ Hole
5	Thiman Lee
6	
7	
8	
9	
10	
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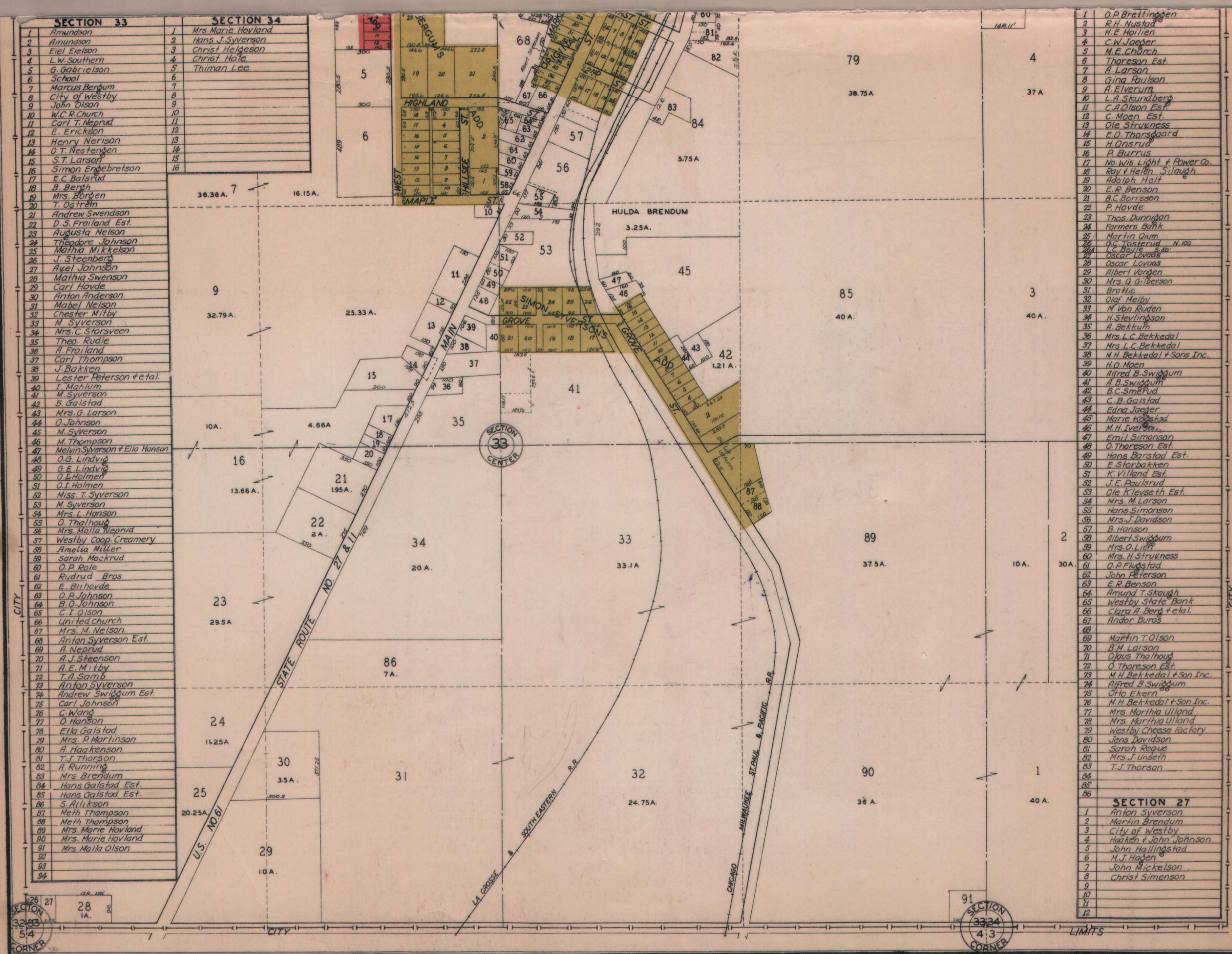
13	
14	
15	
16	

1	O.P. Brettingen
2	R.H. Nustad
3	H.E. Hollen
4	C.W. Jaeger
5	M.E. Church
6	Thoreson Est.
7	A. Larson
8	Gina Paulson
9	A. Elverum
10	L.A. Skundberg
11	C.A. Olson Est.
12	C. Moen Est.
13	Ole Struxness
14	E.O. Thorsgaard
15	H. Onsrud
16	P. Burrus
17	No. Wis. Light + Power Co.
18	Ray + Helen Silaugh
19	Adolph Holt
20	E.R. Benson
21	B.C. Borreson
22	P. Hovde
23	Thos. Dunnigan
24	Farmers Bank
25	Martin Olum
26	G.C. Tosterud N. 100
26A	L.C. Boyle S. 50'
27	Oscar Lovaas
28	Oscar Lovaas
29	Albert Vangen
30	Mrs. O. Gilberson
31	Brotlic
32	Olaf Melby
33	M. Von Ruden
34	H. Stevlingson
35	A. Bekkum
36	Mrs. L.C. Bekkedal
37	Mrs. L.C. Bekkedal
38	M.H. Bekkedal + Sons Inc.
39	H.O. Moen
40	Alfred B. Swiggum
41	A.B. Swiggum
42	B.C. Smedud
43	C.B. Galstad
44	Edna Jaeger
45	Marie Kolstad
46	M.H. Iverson
47	Emil Simonson
48	O. Thoreson Est.
49	Hans Barstad Est.
50	E. Storbakken
51	K. Villand Est.
52	J.E. Paulsrud
53	Ole Klevseth Est.
54	Mrs. M. Larson
55	Hans Simonson
56	Mrs. J. Davidson
57	B. Hanson
58	Albert Swiggum
59	Mrs. O. Lien
60	Mrs. H. Struxness
61	O.P. Flugstad
62	John Peterson
63	E.R. Benson
64	Amund T. Skaugh
65	Westby State Bank
66	Clara A. Berg + etal.
67	Andor Buros
68	
69	Martin T. Olson
70	B.M. Larson
71	Olaus Thalhoug
72	O. Thoreson Est.
73	M.H. Bekkedal + Son Inc.
74	Alfred B. Swiggum
75	Otto Ekern
76	M.H. Bekkedal + Son Inc.
77	Mrs. Marthia Ulland
78	Mrs. Marthia Ulland
79	Westby Cheese Factory
80	Jens Davidson
81	Sarah Regue
82	Mrs. J. Unseth
83	T.J. Thorson
84	
85	
86	

SECTION 27	
1	Anton Syverson
2	Martin Brendum
3	City of Westby
4	Haaken + John Johnson
5	John Hallingstad
6	M.J. Hagen
7	John Mickelson
8	Christ Simenson
9	
10	
11	
12	



Westby Dry Cleaners
02-63-183796

RE: Source Legal Documents (Attachment G)

Due to the amount of impacted off-site properties the file size became too large to include the off-site property deeds in the GIS Registry packet.

These documents are in the case file and can be reviewed by contacting the Project Manager.

Parcel #: 291-00107-0000

Alt. Parcel #: 62291CWE 107

CITY OF WESTBY
VERNON COUNTY, WISCONSIN

Tax Address:

VERNON COUNTY

P.O. BOX 49
VIROQUA WI 54665

Owner(s): O = Current Owner, C = Current Co-Owner

O - VERNON COUNTY

Districts: SC = School SP = Special

Type	Dist #	Description
SC	6321	WESTBY SCHOOL DIST.
SP	0200	WTC-LA CROSSE
SP	2911	CITY OF WESTBY - TID-2

Property Address(es): * = Primary

* MELBY ST

"SITE"

Legal Description: **Acres:** 0.000

J DAVIDSON MAIN ADD LOT-5 (TAX EXEMPT)
50' X 116'

Plat: NOT AVAILABLE
Block/Condo Bldg:

Tract(s): (Sec-Twn-Rng 40 1/4 160 1/4)

Parcel History:

Date	Doc #	Vol/Page	Type
02/15/2001	385873	518/188	TD
05/10/1991	326615	350/584	WD
04/25/1991	326364	350/136	QCD
03/07/1988	312843	319/310	LCAMD

more...

2013 SUMMARY

Bill #:

Fair Market Value: 0

Valuations:

Last Changed: 05/07/2004

Description	Class	Acres	Land	Improve	Total
COUNTY	X3	0.000	0	0	0
Totals for 2013:					
	General Property	0.000	0	0	0
	Woodland	0.000	0		0
Totals for 2012:					
	General Property	0.000	0	0	0
	Woodland	0.000	0		0

Lottery Credit:

Claim Count: 0

Re: Geographic Information System Registry for Westby Dry Cleaners Site, 213 Melby Street, Westby, Wisconsin, WDNR BRRTS # 02-63-183796

Regulatory file closure has been requested for the above referenced site. Chlorinated solvent impacted soil and groundwater exceeding United States Environmental Protection Agency soil screening levels and WDNR ch. NR 140 groundwater enforcement standards (ESs) may be still be present beneath the site. Therefore, pursuant to WDNR ch. NR 726, the required Geographic Information System (GIS) registry information must include legal descriptions and/or plat maps. Legal descriptions and/or plat maps must be included for all properties (within or partially within the site's boundaries), which have soil contamination that exceeds the RCLs and/or groundwater contamination that exceeds the ESs at the time closure is requested. Additionally, the GIS registry information must include a statement signed by the responsible party, which states that he or she believes that the legal description has been attached for each property that is within, or partially within, the contaminated site boundary. (The purpose of this requirement is that a legal description for each of the contaminated properties has been submitted. The responsible party is not required to attest to the accuracy of the attached legal descriptions.) Therefore, the following statement has been included:

I, Ron Hoff, representing Vernon County, certify that to the best of my knowledge the legal description has been attached for each property that is within, or partially within, the contaminated site boundary for the Westby Dry Cleaners site.

Signature: Ron Hoff Date: 8-14-13