

GIS REGISTRY

Cover Sheet

March, 2010
(RR 5367)

Source Property Information

BRRTS #: 02-05-286542

ACTIVITY NAME: Holiday Cleaner Inc

PROPERTY ADDRESS: 701 Thirteenth Ave (mailing: 933 W Mason St)

MUNICIPALITY: Green Bay

PARCEL ID #: 2-526

CLOSURE DATE: April 23, 2014

FID #: 405008560

DATCP #:

COMM #:

*WTM COORDINATES:

X: 676041 Y: 450833

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

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

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

Vapor Mitigation (226)

Maintain Liability Exemption (230)

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

Monitoring Wells:

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

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: PARCEL ID #:
ACTIVITY NAME: WTM COORDINATES: X: Y:

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

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

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: 1304 **Title: Robert D. Hall Plat of Survey**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

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

BRRTS #: 02-05-286542

ACTIVITY NAME: Holiday Cleaner Inc

MAPS (continued)

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

Figure #: 5 Title: Cross Section

Figure #: Title:

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

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

Figure #: 4A Title: Groundwater Contour Map, September 2011

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

Figure #: 5 Title: Groundwater Contour Map July 23, 2007

Figure #: 3 Title: Groundwater Contour Map September 11, 2011

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

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: 1 Title: Soil Sample Laboratory Analytical Results

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

Table #: 3 Title: Summary of Groundwater Monitoring Well Analytical Results

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

Table #: 2 Title: Groundwater Elevation Data

IMPROPERLY ABANDONED MONITORING WELLS

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

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

- Not Applicable**

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

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

Figure #: Title:

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

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

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

BRRTS #: 02-05-286542

ACTIVITY NAME: Holiday Cleaner Inc

NOTIFICATIONS

Source Property

Not Applicable

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

Off-Source Property

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

Not Applicable

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters: 3
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters: 1



April 23, 2014

Susan VanSchyndle
Controllers, Inc.
N1630 Spirit Ridge Rd.
Keshena, WI 54135

Marty and Sharon Smits
Executive Dry Cleaner
933 W. Mason St.
Green Bay, WI 54303

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Former Holiday Dry Cleaners, 701 Thirteenth Ave., Green Bay, WI
Parcel Identification No. 2-526
DNR BRRTS Activity #: 02-05-286542 FID #: 405008560

Dear Susan, and Marty and Sharon Smits:

The Department of Natural Resources (DNR) considers the Former Holiday Dry Cleaners 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 Northeast Region (NER) DNR Closure Committee reviewed the request for closure on March 26, 2013. 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 April 4, 2013, and documentation that the conditions in that letter were met was received on February 5, 2014.

This operating dry cleaner site had soil, groundwater, and sub slab airspace contaminated with chlorinated volatile organic compounds (CVOCs). Responses included excavation of soils having the highest concentrations of CVOCs, injection of nutrients into the groundwater for enhanced natural attenuation, and the installation of a passive venting system. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes (drycleaners).

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.
- Pavement and soil cover must be maintained over contaminated soil and the DNR must approve any changes to this barrier.

- If the structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.
- CVOCs are still in use at the site. If changes in property use or land use to a different commercial or to a residential exposure setting are planned, an assessment of the vapor pathway will be necessary.
- Remaining soil and groundwater 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 NER DNR office, at 2984 Shawano Ave., Green Bay, WI 54313-6727. 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 pavement, building foundation, grass and/or landscaping, is required, as shown on the **attached map, Figure 4, Location of Soil Cap**, 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; and,
- 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 the current property owner, 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: Remediation and Redevelopment Program Environmental Program Associate
WI Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313-6727

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, Figure 4A, Groundwater Contour Map September 2011. 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 at HA-1, IB-1, IB-2, IB-3, IB-4, IB-5, B-30, B-31 and GP-4, as indicated on the attached map, Figure 3, Soil Tetrachlorethylene Concentration (ppb). If soil in the specific locations described above is excavated in the future, the following property owners: 701 Thirteenth Ave., 923 W. Mason, St., 705 Thirteenth Ave., and 706 Twelfth Ave., as well as the Mason Street 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 properties listed in the paragraph above, and the right-of-way holder 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 The pavement, building foundation, grass and/or landscaping that exists in the location shown on the attached map, Figure 4, Location of Soil Cap, shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. In this case, the dry cleaning business building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

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 to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
The dry cleaning business building shown on the attached map, Figure 4, Location of Soil Cap, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR at least 45 days before removal, and conduct an investigation of the degree and extent of CVOC contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

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.

Compounds of Concern Still in Use: The current use of the property is an operating dry cleaner which uses chlorinated solvents. The operation introduces these compounds into the indoor air space. Case closure is possible based on site-specific conditions, including continued use as a dry cleaner and application of commercial vapor risk screening levels for sub slab samples. Property use is restricted to non-residential settings (i.e. commercial or industrial uses).

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

Therefore, if changes in property use or occupancy to other commercial or a residential exposure setting are planned, the property owner must notify the DNR at least 45 days before a changing the use or occupancy, and evaluate the concentrations of contaminants that remain in the soil vapor beneath the building. Additional response actions may be necessary.

Future Concern: CVOCs remain in soil and groundwater beneath the central and eastern portion of the property and extends onto adjacent properties, as shown on the attached maps, Figure 4A, Groundwater Contour Map September 2011, and Figure 5, Soil Tetrachlorethylene Concentration (ppb), at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building. At the time of closure the property was occupied by an asphalt parking lot and a building used for dry cleaning. Before a new building is constructed and/or an existing building is modified, 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.

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

Operating Dry Cleaners

In order to remain eligible for future reimbursement of cleanup costs from the Dry Cleaner Environmental Response Fund (DERF), the owner or operator of the dry cleaning facility must implement enhanced pollution prevention measures within 90 days of the date of this letter. These measures are found in Section 292.65 (5) (a) 2, Wis. Statutes, and NR 169.11 (2), Wis Adm. Code. In accordance with Section 292.65 (8) (f), Wis. Stats., the maximum amount of money that DERF can reimburse to any facility is \$500,000. The enhanced pollution prevention measures include:

- all wastes must be managed in accordance with federal and state hazardous waste rules;
- dry cleaning product or wastewater may not be discharged into any sanitary sewers, septic tanks, or any waters of the State;
- a containment structure must entirely surround and be capable of containing any spill or release of a dry cleaning product from a dry cleaning machine or other equipment;
- the floor within any containment structure must be sealed and be impervious to dry cleaning product;
- perchloroethene must be delivered to the dry cleaning facility by means of a closed, direct coupled delivery system.

In order to retain eligibility, you will need to verify that you have implemented these pollution prevention measures. Additional documentation, such as invoices and photographs of any enhanced pollution prevention measures you implement, can be used to provide verification.

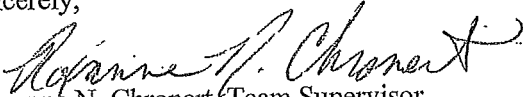
In Closing

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 Elizabeth Victor at (920) 303-5424, or at Elizabeth.Victor@wisconsin.gov.

Sincerely,


Roxanne N. Chronert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments: Cap Maintenance Plan (this document includes the following):

- Figure 4. Location of Soil Cap
- Figure 4a. Groundwater Contour Map September 2011 (shows location of residual groundwater contamination)
- Figure 3. Soil Tetrachloroethylene Concentration (ppb)
- Form 4400-305 Continuing Obligation Maintenance and Inspection Log (<http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf>)

cc: Ed Buc, Arcadis U.S. (electronic)
Steven Grenier, City of Green Bay Public Works (owner, Mason St, ROW) (US Mail)
Ray White, Deli-More Sub & Pizza Shop, (owner, 923 W. Mason St.) (US Mail)
KD Rental Homes, (owner, 706 W. 12th Ave.) (US Mail)
Jennifer Willems, (owner, 705 13th Ave.) (US Mail)

Cap Maintenance Plan

Former Holiday Dry
Cleaners Facility
Green Bay, Wisconsin

Cap Maintenance Plan

December 12, 2012
Revised April 11, 2014

Property Located at: 701 13th Avenue, Green Bay, Wisconsin

(Mailing Address - 933 West Mason Street, Green Bay, Wisconsin)

FID #405008560, WDNR BRRTS/Activity #02-05-286542

Lot Six (6), Block Sixty-Six (66), Except The North 2.75 Feet Thereof, According To The Recorded Plat of Mrs. C.L.A. Tank's Fifth Addition, In The City Of Green Bay, West Side Of Fox River, Brown County, Wisconsin.

Parcel No. 2-526

Introduction

This document is the Maintenance Plan for an asphalt/concrete/landscaping cap 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 asphalt/concrete/landscaping cap occupying the area over the contaminated groundwater plume or soil on-site.

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

The case file in the DNR Northeast Regional office

BRRTS on the Web (DNR's internet based data base of contaminated sites):
<http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>

GIS Registry PDF file for further information on the nature and extent of contamination: <http://dnrmaps.wi.gov/si/?Viewer=RR Sites>; and

The DNR project manager for Brown County.

Description of Contamination

Soil contaminated by tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene is located at a depth of 4 feet at 933 West Mason Street, Green Bay, and portions of the following adjacent properties: 705 13th Avenue, 706 12th Avenue, 923 West Mason Street, and the adjoining right-of-way of Mason Street. Groundwater contaminated by tetrachloroethene,

Cap Maintenance Plan

Former Holiday Dry Cleaners Facility
Green Bay, Wisconsin

trichloroethene, and cis-1,2-dichloroethene is located at a depth of 4 feet at 933 West Mason Street, Green Bay, and portions of the following adjacent properties: 705 13th Avenue, 706 12th Avenue, 923 West Mason Street, and the adjoining right-of-way of Mason Street. The extent of the soil and groundwater contamination is shown on the attached:

- Figure 3 – Soil Tetrachloroethene Concentration
- Figure 4A – Groundwater Contour Map, September 2011

Description of the Cap to be Maintained

The Cap consists of asphalt and concrete pavement, and landscaping. It is located at 933 West Mason Street, Green Bay, and portions of the following adjacent properties: 923 West Mason Street; as shown on the attached Figure A.

Cover Barrier Purpose

The asphalt/concrete/landscaping cap over the contaminated soil 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 asphalt/concrete/landscaping cap overlying the soil and as depicted in Figure 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, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log 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.

Cap Maintenance Plan

Former Holiday Dry
Cleaners Facility
Green Bay, Wisconsin

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 asphalt/concrete/landscaping cap overlying the soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the asphalt/concrete/landscaping cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

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

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

Amendment or Withdrawal of Maintenance Plan

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

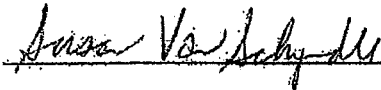
**Cap Maintenance
Plan**

Former Holiday Dry
Cleaners Facility
Green Bay, Wisconsin

**Contact Information
December 2012**

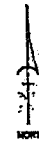
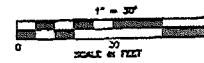
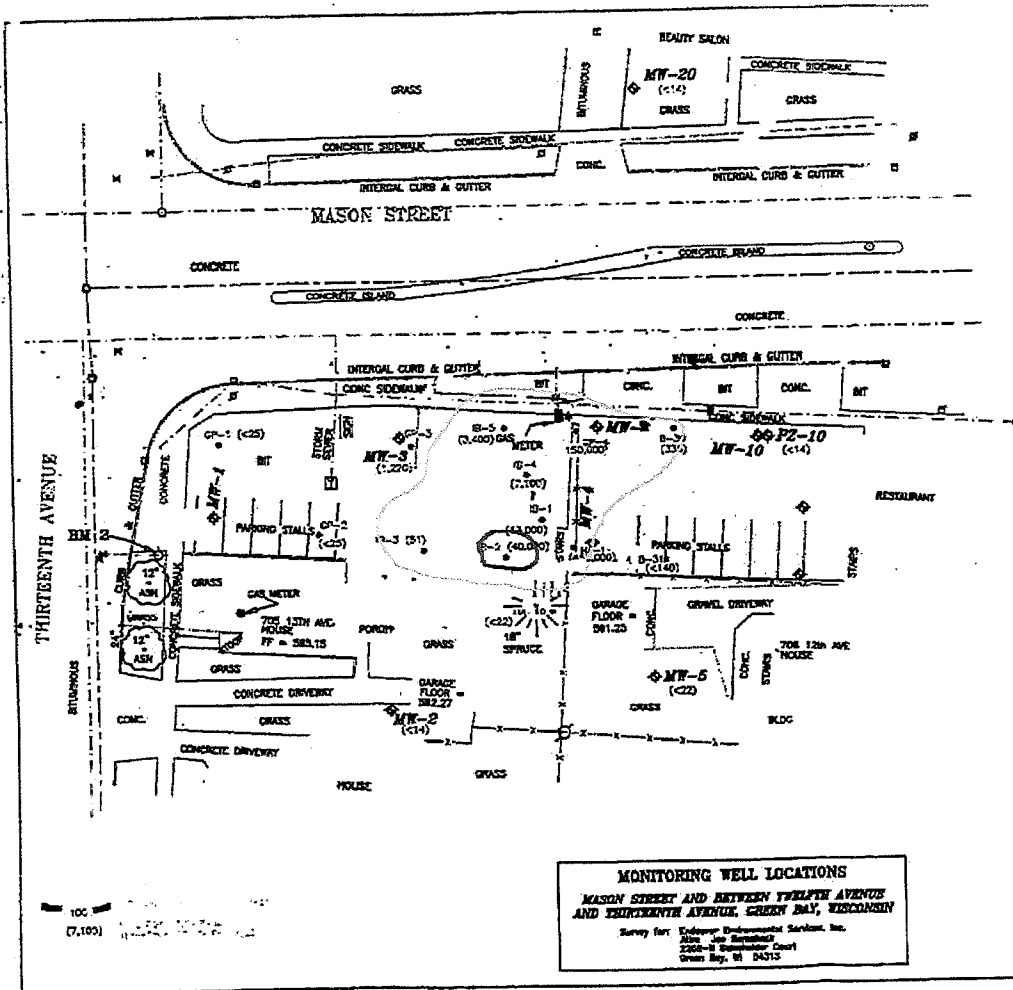
Site Owner and Operator:
Susan VanSchyndle
Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, WI 54135
920-265-1670

Signature:



Consultant:
Ed Buc
ARCADIS, Inc.
126 North Jefferson Street
Suite 400
Milwaukee, Wisconsin 53202
414-276-7742

WDNR:
Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue, Green Bay WI, 54313
920-662-5443



WELL #	DM	DEPTH	TOP PVC
MW 1	282.71	0.34	282.37
MW 2	282.17	0.55	281.62
MW 3	280.85	0.80	280.05
MW 4	281.18	0.75	280.43
MW 5	281.58	0.58	280.93
MW 8	280.47	0.22	280.25
MW 10	283.28	0.42	282.86
PZ 10	283.55	0.25	283.30
MW 20	281.58	0.43	281.15

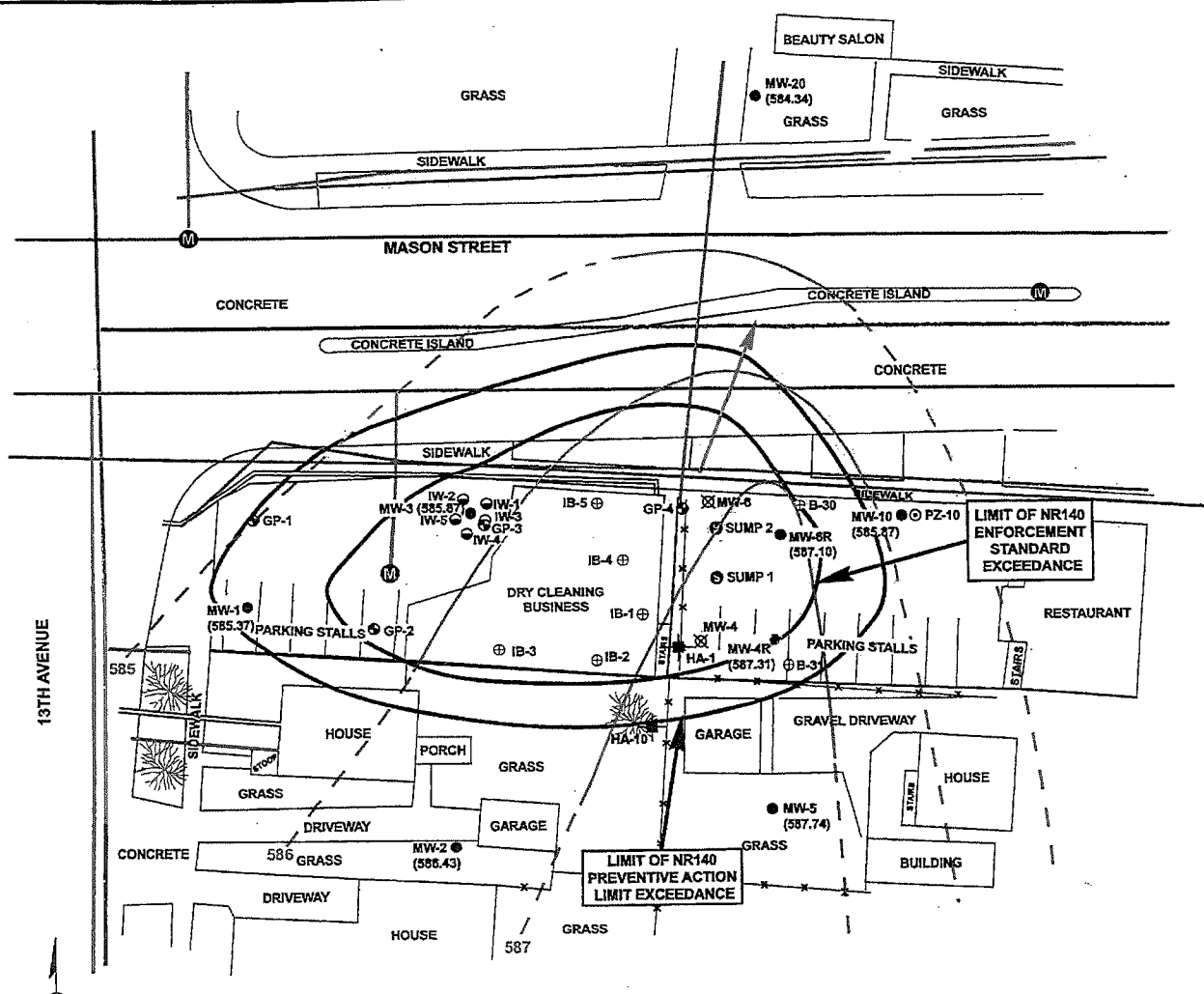
—	SECHWALK
⊕	MONITORING WELL
⊙	CONCRETE TREE
⊗	DECIDUOUS TREE
—	OVERHEAD POWER LINES
—	UNDERGROUND GAS
—	EXIST. FENCE LINE
—	EXIST. FURNACE
—	POWER POLE
—	LIGHT POLE
—	GAS VALVE
—	WATER VALVE
—	WATER STOP BOX
—	EXIST. STEAM MANHOLE
—	STEAM VALVE
—	1200 GRAB
—	EXIST. SANITARY MANHOLE
—	EXIST. ERM. SINK
—	EXIST. STO. SINK
—	EXIST. WATER MAIN
—	FF = SOLES
—	FIRST FLOOR = 800.00

FIGURE 3
SOIL TETRACHLOROETHYLENE CONCENTRATION (ppb)
HOLIDAY CLEANERS
GREEN BAY, WISCONSIN

SCALE	SHEET NO.	DATE	REV.	BY	CHKD.	APP'D.
1" = 30'	1 OF 1	11/02/04	A	BVD		

- Extent of soil containing tetrachloroethene at concentration greater than non-industrial direct contact RCL of 30,700 ug/kg
- Extent of soil containing tetrachloroethene at concentration greater than groundwater pathway RCL of 4.5 ug/kg

24 AUG 2011 11:28:10 AM ENVIRONMENTAL CONTROL SYSTEMS CONTROL ROOM



- LEGEND**
- MW-3 ● MONITORING WELL
 - MW-4 ☒ ABANDONED MONITORING WELL
 - GP-1 ⊕ GEOPROBE
 - HA-1 ⊕ HAND AUGER
 - B-30 ⊕ SOIL BORING
 - PZ-10 ⊙ PIEZOMETER
 - IW-2 ⊕ INJECTION WELL
 - SUMP 1 ● SUMP
 - GAS
 - OVERHEAD ELECTRIC
 - WATER
 - SANITARY SEWER
 - STORM SEWER
 - ☀ TREE
 - FENCE
 - Ⓜ MANHOLE
 - (585.87) GROUNDWATER ELEVATION (feet above mean seal level)
 - 586 GROUNDWATER ELEVATION CONTOUR (dashed where inferred)
 - ↗ GENERALIZED GROUNDWATER FLOW DIRECTION



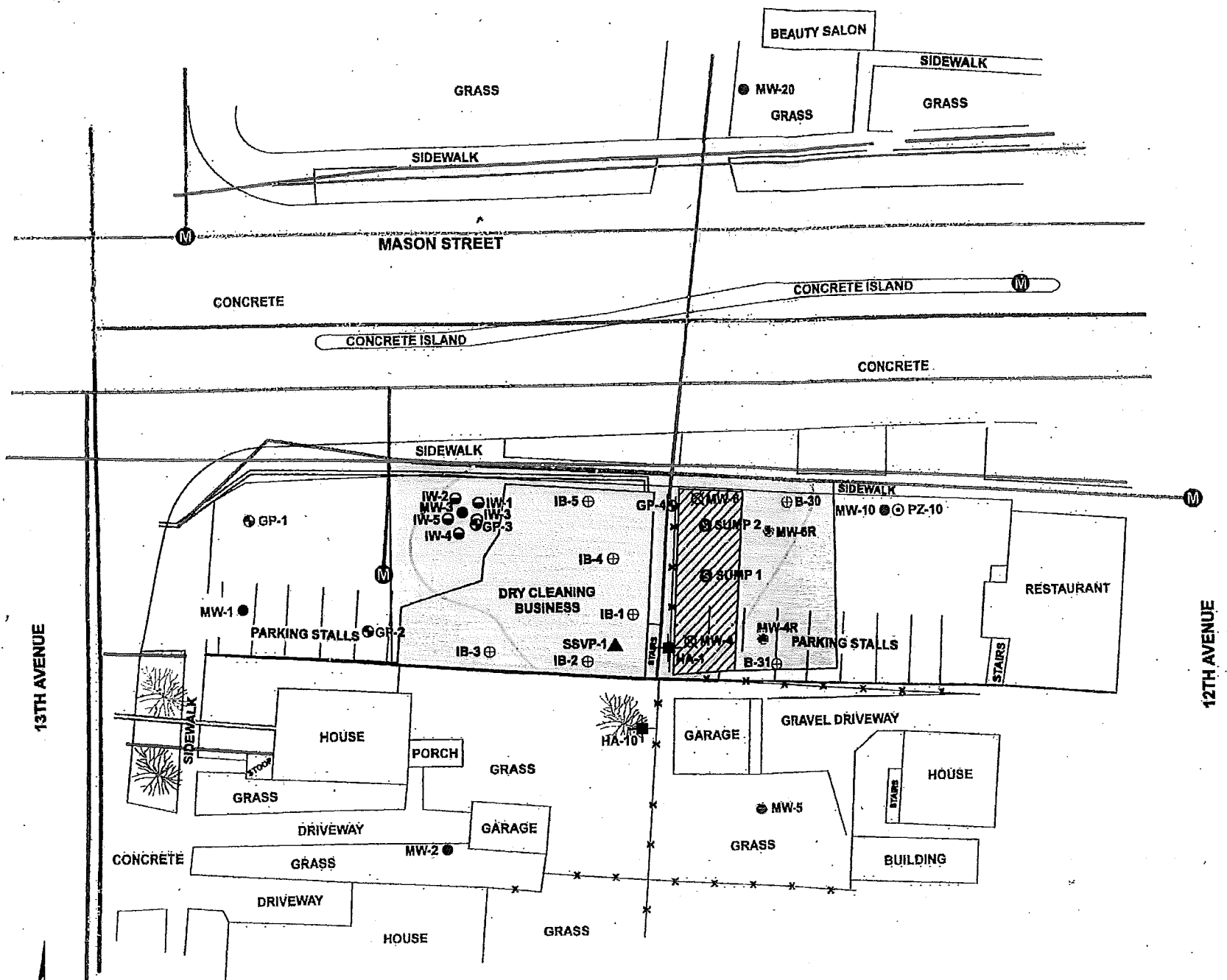
0 15 30 60
SCALE IN FEET

FORMER HOLIDAY DRY CLEANERS
701 13TH AVENUE
GREEN BAY, WISCONSIN

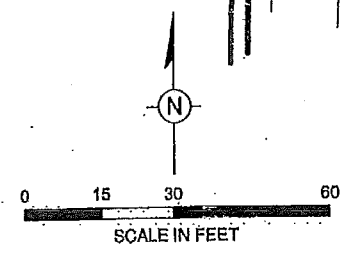
**GROUNDWATER CONTOUR MAP
SEPTEMBER 2011**

FIGURE
4A

23AL13CHEN ENVIRONMENTAL INC
 CONTROL UNIT 2321 HOLIDAY CLEANERS SOIL CAP LOCATION A1



- LEGEND**
- MW-3 ● MONITORING WELL
 - MW-4 ☒ ABANDONED MONITORING WELL
 - GP-1 ● GEOPROBE
 - HA-1 ⊕ HAND AUGER
 - SSVP-1 ▲ SUBSLAB VAPOR POINT
 - B-30 ⊕ SOIL BORING
 - PZ-10 ⊙ PIEZOMETER
 - IW-2 ⊖ INJECTION WELL
 - SUMP 1 ● SUMP
 - ===== GAS
 - OVERHEAD ELECTRIC
 - WATER
 - SANITARY SEWER
 - STORM SEWER
 - ☼ TREE
 - ✕✕✕ FENCE
 - Ⓜ MANHOLE
 - Lateral extent of soil containing Tetrachloroethene (Endeavor, 2004).
 - ▨ Extent of soil excavation. (ARCADIS, 2006)
 - ▨ Area of soil cap.
- Dry Cleaning Business Building
Is a Structural Impediment



FORMER HOLIDAY DRY CLEANERS
 701 13TH AVENUE
 GREEN BAY, WISCONSIN

LOCATION OF SOIL CAP

ARCADIS

FIGURE
4

Exhibit B
Barrier INSPECTION and MAINTENANCE LOG
(Form 4400-202, Attachment D. Part 4.)

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

**Holiday Cleaners, Green Bay, Wisconsin
BRRTS#02-05-286542**


Photograph Log

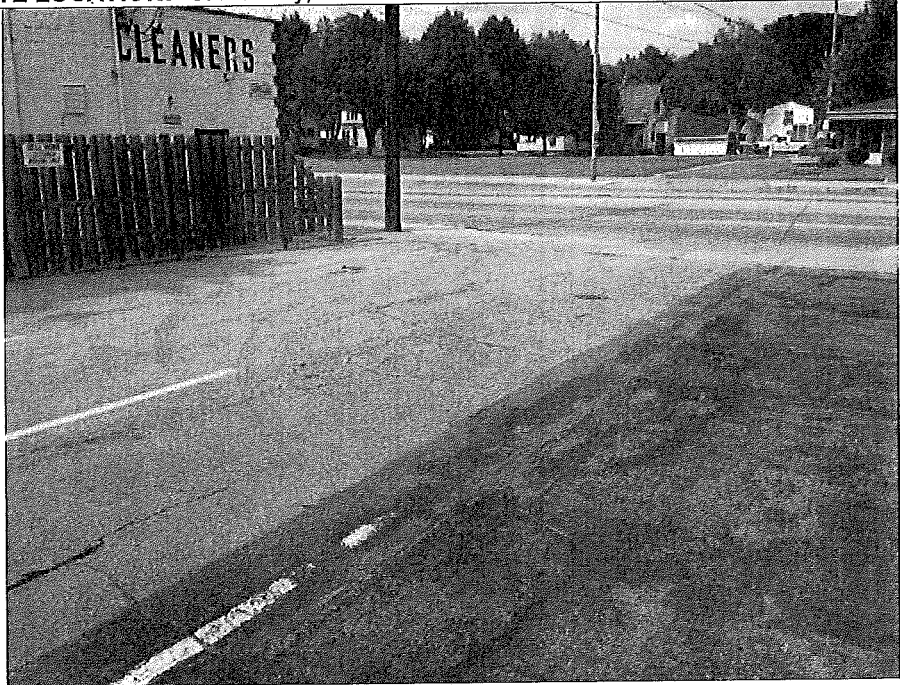
CLIENT: Controller, Inc	SITE ADDRESS: 701 13 th Avenue
PROJECT #: WI001126	SITE LOCATION: Green Bay, Wisconsin
PHOTOGRAPH #: 1	
PHOTOGRAPHER: be	
DATE: 8/20/13	
DIRECTION: East	
COMMENT: The central and eastern portions of the parking lot on the former Holiday Cleaner property, which comprises a portion of the engineered barrier.	

CLIENT: Controllers, Inc	SITE ADDRESS: 701 13 th Street
PROJECT #: WI001126	SITE LOCATION: Green Bay, Wisconsin
PHOTOGRAPH #: 2	
PHOTOGRAPHER: be	
DATE: 10/8/13	
DIRECTION: South	
COMMENT: The eastern portion of the parking lot and the building on the former Holiday Cleaner property, which comprises a portion of the engineered barrier.	

**Holiday Cleaners, Green Bay, Wisconsin
BRRTS#02-05-286542**

Photograph Log

CLIENT: Controllers, Inc	SITE ADDRESS: 923 West Mason Street
PROJECT #: WI001126	SITE LOCATION: Green Bay, Wisconsin
PHOTOGRAPH #: 3	
PHOTOGRAPHER: be	
DATE: 8/20/13	
DIRECTION: south	
COMMENT: The parking lot on the east adjacent property (Deli-More) to the former Holiday Cleaners property, which comprises a portion of the engineered barrier.	

CLIENT: Controllers, Inc	SITE NAME: 923 West Mason Street
PROJECT #: WI001126	SITE LOCATION: Green Bay, Wisconsin
PHOTOGRAPH #: 4	
PHOTOGRAPHER: be	
DATE: 8/20/13	
DIRECTION: Northwest	
COMMENT: The parking lot on the east adjacent property (Deli-More) to the former Holiday Cleaners property, which comprises a portion of the engineered barrier.	



April 23, 2014

Ms. Jennifer Willems
705 13th Ave.
Green Bay, WI 54303

OFF-SOURCE
C
PROPERTY

SUBJECT: Continuing Obligations and Property Owner Requirements for
705 Thirteenth Ave., Green Bay, WI
Parcel Identification Number: 2-527
Final Case Closure for Former Holiday Cleaners, 701 Thirteenth Ave., Green Bay, WI
DNR BRRTS Activity #: 02-05-286542 FID #: 405008560

Dear Ms. Willems:

The purpose of this letter is to notify you that certain continuing obligations apply to the Property at 705 Thirteenth Ave., (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case, located at 701 Thirteenth Ave., Green Bay, WI. (The case is referenced by the location of the source property, i.e. the property where the original discharge occurred, prior to contamination migrating to the Property.) The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties can be found by using the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web. This database is found at <http://dnr.wi.gov/topic/Brownfields/clean.html>. This page also provides information on how to find further information about the closure and residual contamination, and how to use the map application, RR Sites Map, including the GIS Registry layer, which shows sites closed with residual contamination and continuing obligations.

The Department reviewed and approved the case closure request regarding the chlorinated volatile organic compounds (CVOCs) in soil and groundwater and sub slab head space at this site, based on the information submitted by Arcadis U.S., Inc. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

A number of continuing obligations are described in the attached case closure letter to Ms. Susan VanSchyndle, dated March 5, 2014. However, only the following continuing obligations apply to your Property.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards. Groundwater contamination greater than enforcement standards is present on the Property, as shown on the attached map, Figure 4A, Groundwater Contour Map September 2011. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

(ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.) Soil contamination remains on the Property, in the area indicated on the attached map, Figure 3, Soil Tetrachlorethylene Concentration (ppb). If soil in the specific locations described above is excavated in the future, the Property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the Property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. 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 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.

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

GIS Registry – Well Construction Approval Needed

Because of the residual soil and groundwater contamination and the continuing obligations, this site, which includes your Property, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. If you intend to construct or reconstruct a well on the Property, you will need to get Department approval in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help with this form. This form can be obtained on-line at: <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Property Owner Responsibilities

The owner (you and any subsequent Property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are required to pass on the information about these continuing obligations to anyone who purchases this Property from you (i.e. pass on this letter), in accordance with s. NR 727.05. For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the Property and the continuing obligations set out in this letter and the closure letter.

If you lease or rent the Property to an occupant who will be responsible for maintaining a continuing obligation, you will need to include that responsibility in a lease agreement, in accordance with s. NR 727.05, Wis. Adm. Code.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the Property owner's. A Property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any Property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the Property owner to complete the necessary work.

April 23, 2014 Closure Cover Letter to Ms. Willems
Re: Former Holiday Cleaners, Green Bay, Wisconsin
DNR BRRTS Activity # 02-05-286542

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the Property. If a subsequent Property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

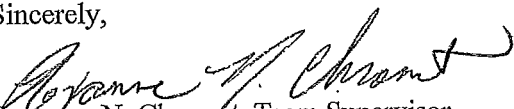
You and any subsequent Property owners are responsible for notifying the Department at least 45 days before making a change to a continuing obligation, and obtaining approval, before making any changes to the Property that would affect the obligations applied to the Property. Send all written notifications in accordance with the above requirements to:

Northeast Region, Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
WI Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313-6727

DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" helps explain a Property owner's responsibility for continuing obligations on their Property. This fact sheet should have been sent to you when you received a notification letter before the closure request was submitted to the DNR. You may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

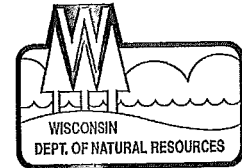
The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Elizabeth A. Victor at (920) 303-5424.

Sincerely,


Roxanne N. Chronert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments: ^{April 23} ~~March 5~~, 2014 Final Closure Letter to Susan VanSchyndle (this letter includes the following):
EN Figure 4. Location of Soil Cap
Figure 4a. Groundwater Contour Map September 2011
Figure 3. Soil Tetrachlorethylene Concentration (ppb)

cc: Susan VanSchyndle, Controllers, Inc.
Ed Buc, Arcadis U.S. (electronic)



April 23, 2014

KD Rental Homes LLC
1430 Bingham Dr.
De Pere, WI 54115-4065

OFF-SOURCE
D
PROPERTY

SUBJECT: Continuing Obligations and Property Owner Requirements
for 706 Twelfth Ave., Green Bay, WI
Parcel Identification Number: 2-524
Final Case Closure for Former Holiday Cleaners, 701 Thirteenth Ave., Green Bay, WI
DNR BRRTS Activity #: 02-05-286542 FID #: 405008560

Dear Sir or Madam:

The purpose of this letter is to notify you that certain continuing obligations apply to the property at 706 Twelfth Ave., (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case, located at 701 Thirteenth Ave., Green Bay, WI. (The case is referenced by the location of the source property, i.e. the property where the original discharge occurred, prior to contamination migrating to the Property.) The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties can be found by using the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web. This database is found at <http://dnr.wi.gov/topic/Brownfields/clean.html>. This page also provides information on how to find further information about the closure and residual contamination, and how to use the map application, RR Sites Map, including the GIS Registry layer, which shows sites closed with residual contamination and continuing obligations.

The Department reviewed and approved the case closure request regarding the chlorinated volatile organic compounds (CVOCs) in soil and groundwater and sub slab head space at this site, based on the information submitted by Arcadis U.S., Inc. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

A number of continuing obligations are described in the attached case closure letter to Ms. Susan VanSchyndle, dated March 5, 2014. However, only the following continuing obligations apply to your Property.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards. Groundwater contamination greater than enforcement standards is present on the Property, as shown on the attached map, Figure 4A, Groundwater Contour Map September 2011. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

(ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.) Soil contamination remains on the Property, in the area indicated on the attached map, Figure 3, Soil Tetrachlorethylene Concentration (ppb). If soil in the specific locations described above is excavated in the future, the Property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the Property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. 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 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.

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

GIS Registry – Well Construction Approval Needed

Because of the residual soil and groundwater contamination and the continuing obligations, this site, which includes your Property, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. If you intend to construct or reconstruct a well on the Property, you will need to get Department approval in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help with this form. This form can be obtained on-line at: <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Property Owner Responsibilities

The owner (you and any subsequent Property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are required to pass on the information about these continuing obligations to anyone who purchases this Property from you (i.e. pass on this letter), in accordance with s. NR 727.05. For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the Property and the continuing obligations set out in this letter and the closure letter.

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Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the Property owner's. A Property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any Property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the Property owner to complete the necessary work.

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the Property. If a subsequent Property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

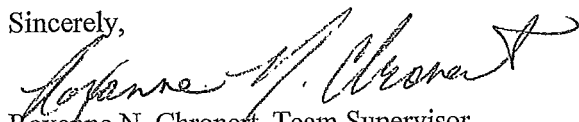
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Northeast Region, Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
WI Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313-6727

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The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Elizabeth A. Victor at (920) 303-5424.

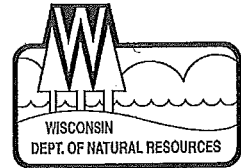
Sincerely,



Roxanne N. Chronert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments: ^{April 23} ~~March 5~~, 2014 Final Closure Letter to Susan VanSchyndle (this letter includes the following):
(EM) Figure 4. Location of Soil Cap
Figure 4a. Groundwater Contour Map September 2011
Figure 3. Soil Tetrachlorethylene Concentration (ppb)

cc: Susan VanSchyndle, Controllers, Inc.
Ed Buc, Arcadis U.S. (electronic)



April 23, 2014



Mr. Raymond White
Deli-More Sub & Pizza Shop
923 W. Mason St.
Green Bay, WI 54303

SUBJECT: Continuing Obligations and Property Owner Requirements for 923 W. Mason St., Green Bay, WI
Parcel Identification Number: 2-525
Final Case Closure for Former Holiday Cleaners, 701 Thirteenth Ave., Green Bay, WI
DNR BRRTS Activity #: 02-05-286542
FID #: 405008560

Dear Mr. White:

The purpose of this letter is to notify you that certain continuing obligations apply to the property at 923 W. Mason St., (referred to in this letter as the "Property") due to contamination remaining on the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case, located at 701 Thirteenth Ave., Green Bay, WI. (The case is referenced by the location of the source property, i.e. the property where the original discharge occurred, prior to contamination migrating to the Property.) The continuing obligations that apply to the Property are stated as conditions in the attached closure approval letter, and are consistent with s. 292.12, Wis. Stats., and ch. NR 700, Wis. Adm. Code, rule series. They are meant to limit exposure to any remaining environmental contamination at the Property. These continuing obligations will also apply to future owners of the Property, until the conditions no longer exist at the Property.

It is common for properties with approved cleanups to have continuing obligations as part of cleanup/closure approvals. Information on continuing obligations on properties can be found by using the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web. This database is found at <http://dnr.wi.gov/topic/Brownfields/clean.html>. This page also provides information on how to find further information about the closure and residual contamination, and how to use the map application, RR Sites Map, including the GIS Registry layer, which shows sites closed with residual contamination and continuing obligations.

The Department reviewed and approved the case closure request regarding the chlorinated volatile organic compounds (CVOCs) in soil and groundwater and sub slab head space at this site, based on the information submitted by Arcadis U.S., Inc. As required by state law, you received notification about the requested closure from the person conducting the cleanup. No further investigation or cleanup is required at this time. However, the closure decision is conditioned on the long-term compliance with certain continuing obligations, as described below.

Continuing Obligations Applicable to Your Property

A number of continuing obligations are described in the attached case closure letter to Ms. Susan VanSchyndle, dated March 5, 2014. However, only the following continuing obligations apply to your Property.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards. Groundwater contamination greater than enforcement standards is present on the Property, as shown on the attached map, Figure 4A, Groundwater Contour Map September 2011. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.
- Residual soil contamination exists that must be properly managed should it be excavated or removed. (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.) Soil contamination remains on the Property, in the area indicated on the attached map, Figure 3, Soil Tetrachlorethylene Concentration (ppb). If soil in the specific locations described above is excavated in the future, the Property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the Property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. 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 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.

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

- Cover or Barrier The pavement, grass and/or landscaping that exists in the location shown on the attached map, Figure 4, Location of Soil Cap, shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and 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 to the DNR only upon request.

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 pavement, grass and/or landscaping, is required, as shown on the attached map, Figure 4, Location of Soil Cap, 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.

GIS Registry – Well Construction Approval Needed

Because of the residual soil and groundwater contamination and the continuing obligations, this site, which includes your Property, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at <http://dnr.wi.gov/topic/Brownfields/clean.html>. If you intend to construct or reconstruct a well on the Property, you will need to get Department approval in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. A well driller can help with this form. This form can be obtained on-line at: <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>. If at some time, all these continuing obligations are fulfilled, and the remaining contamination is either removed or meets applicable standards, you may request the removal of the Property from the GIS Registry.

Property Owner Responsibilities

The owner (you and any subsequent Property owner) of this Property is responsible for compliance with these continuing obligations, pursuant to s. 292.12, Wis. Stats. You are required to pass on the information about these continuing obligations to anyone who purchases this Property from you (i.e. pass on this letter), in accordance with s. NR 727.05. For residential property transactions, you are required to make disclosures under Wis. Stats. s. 709.02. You may have additional obligations to notify buyers of the condition of the Property and the continuing obligations set out in this letter and the closure letter.

If you lease or rent the Property to an occupant who will be responsible for maintaining a continuing obligation, you will need to include that responsibility in a lease agreement, in accordance with s. NR 727.05, Wis. Adm. Code.

Please be aware that failure to comply with the continuing obligations may result in enforcement action by the Department. The Department intends to conduct inspections in the future to ensure that the conditions

April 23, 2014 Closure Cover Letter to Mr. White
Re: Former Holiday Cleaners, Green Bay, Wisconsin
DNR BRRTS Activity # 02-05-286542

included in this letter, including compliance with referenced maintenance plans, are met.

These responsibilities are the Property owner's. A Property owner may enter into a legally binding agreement (such as a contract) with someone else (the person responsible for the cleanup) to take responsibility for compliance with the continuing obligations. If the person with whom any Property owner has an agreement fails to adequately comply with the appropriate continuing obligations, the Department has the authority to require the Property owner to complete the necessary work.

A legal agreement between you and another party to carry out any of the continuing obligations listed in this letter does not automatically transfer to a new owner of the Property. If a subsequent Property owner cannot negotiate a new agreement, the responsibility for compliance with the applicable continuing obligations resides with that Property owner.

When maintenance of a continuing obligation is required, the Property owner is responsible for inspections, repairs, or replacements as needed. Such actions should be documented by the Property owner and the records kept accessible for the Department to review for as long as the Department directs.

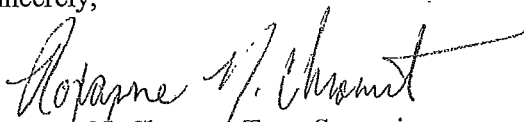
You and any subsequent Property owners are responsible for notifying the Department at least 45 days before making a change to a continuing obligation, and obtaining approval, before making any changes to the Property that would affect the obligations applied to the Property. Send all written notifications in accordance with the above requirements to:

Northeast Region, Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
WI Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313-6727

DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", helps explain a Property owner's responsibility for continuing obligations on their Property. This fact sheet should have been sent to you when you received a notification letter before the closure request was submitted to the DNR. You may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

The Department appreciates your efforts. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Elizabeth A. Victor at (920) 303-5424.

Sincerely,



Roxanne N. Chronert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments: ^{April 23} ~~March 5~~ 2014 Final Closure Letter to Susan VanSchyndle (this letter includes the following):
(GA) - Cap Maintenance Plan (form 4400-305 Continuing Obligation Maintenance and Inspection Log)
- Figure 4. Location of Soil Cap
- Figure 4a. Groundwater Contour Map September 2011
- Figure 5. Soil Tetrachlorethylene Concentration (ppb)

cc: Susan VanSchyndle, Controllers, Inc.
Ed Buc, Arcadis U.S. (electronic)

State of Wisconsin
DEPARTMENT OF NATURAL
RESOURCES
Oshkosh Service Center
625 East County Road Y, STE 700
Oshkosh, WI 54901-9731

Scott Walker, Governor
Cathy Stepp, Secretary

State Customer Service # 888-936-7463
Oshkosh FAX# 920-424-4404



April 4, 2013

Susan VanSchyndle
Controllers, Inc.
N1630 Spirit Ridge Rd.
Keshena, WI 54135

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Former Holiday Dry Cleaners 701 13th Ave, Green Bay, WI
WDNR BRRTS Activity # 02-05-286542

Dear Ms. VanSchyndle:

On March 26, 2013, the Regional Closure Committee reviewed your request for closure of the case described above. The Regional 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 volatile organic compounds (CVOCs) contamination on the site from the release of dry cleaning solvents in the eastern portion of the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells MW -1, MW-2, MW-3, MW-4R, MW-5, MW-6R, MW-10, PZ-10, and MW-20, remedial sumps Sump 1 and Sump 2, injection wells IW-1, IW-2, IW-3, IW-4 and IW-5, and the off-site soil venting system at 923 W. Mason St. must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Elizabeth Victor on Form 3300-005, found at <http://dnr.wi.gov/topic/DrinkingWater/documents/forms/3300005.pdf> or provided by the Department of Natural Resources.

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 Department of Natural Resources' 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 conditions above 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 GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations.

1. Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
2. Residual soil contamination exists that must be properly managed should it be excavated or removed.
3. Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil both on-site and off-site at 923 W. Mason St.
4. The drycleaners building is an impediment to complete site investigation or cleanup. If it is removed or modified, additional environmental work must be completed.
5. The current use of the property is an active drycleaners which uses chlorinated solvents. Case closure is possible based on site-specific conditions, including continued use as a dry cleaner and application of commercial vapor risk screening levels (sub-slab).
6. Remaining soil contamination could result in vapor intrusion if future construction activities occur.

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 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 303-5424.

Sincerely,



Elizabeth A. Victor, P.G.
Hydrogeologist
Remediation & Redevelopment Program

cc: Mr. Ed Buc, Arcadis U.S., Inc. (via email: edbuc@arcadis-ua.com)

1884922
Document Number

STATE BAR OF WISCONSIN FORM 1 - 2000
WARRANTY DEED

BROWN COUNTY
REGISTER OF DEEDS
CATHY WILLIQUETTE

2002 MAR -6 A 9:31

This Deed, made between CONTROLLERS, INC.,
A WISCONSIN CORPORATION
Grantor,
and 701 13TH STREET, LLC, A WISCONSIN
LIMITED LIABILITY COMPANY
Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in BROWN County, State of Wisconsin (the "Property") (if more space is needed, please attach addendum): LOT SIX (6), BLOCK SIXTY-SIX (66), EXCEPT THE NORTH 2.75 FEET THEREOF, ACCORDING TO THE RECORDED PLAT OF MRS. C.L.A TANK'S FIFTH ADDITION, IN THE CITY OF GREEN BAY, WEST SIDE OF FOX RIVER, BROWN COUNTY, WISCONSIN.

Recording Area
Name and Return Address
LIBERTY TITLE
308 CHERRY STREET
GREEN BAY, WI 54301
02-6396

11.00
①

TRANSFER
\$ 381.00
FEE

2-526
Parcel Identification Number (PIN)
This IS NOT homestead property.
(is) (is not)

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except ANY MUNICIPAL AND ZONING ORDINANCES, RECORDED EASEMENTS, BUILDING AND USE RESTRICTIONS AND COVENANTS

Dated this 13 day of February, 2002
CONTROLLERS, INC.:

* BY: SUSAN VAN SCHYNDLE

Susan M Van Schyndle, Pres

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, _____
authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

ATTY. TIMOTHY F. POLACK
308 CHERRY STREET, GREEN BAY, WI
(Signatures may be authenticated or acknowledged. Both are not necessary.)



ACKNOWLEDGMENT
STATE OF WISCONSIN

_____ } ss.
BROWN County, }
Personally came before me this 13 day of
February, 2002 the above named
SUSAN VAN SCHYNDLE

to me known to be the person _____ who executed the foregoing instrument and acknowledged the same.

* Ann Savage
Notary Public, State of Wisconsin
My Commission is permanent. (If not, state expiration date: 11-3-2003)

*Names of persons signing in any capacity must be typed or printed below their signature.
WARRANTY DEED STATE BAR OF WISCONSIN FORM No. 1-2000

Plat No. 1304

32:73-75

ROBERT D. HALL

Phone EDison 6-1110

LAND SURVEYOR

GREEN BAY, WISCONSIN

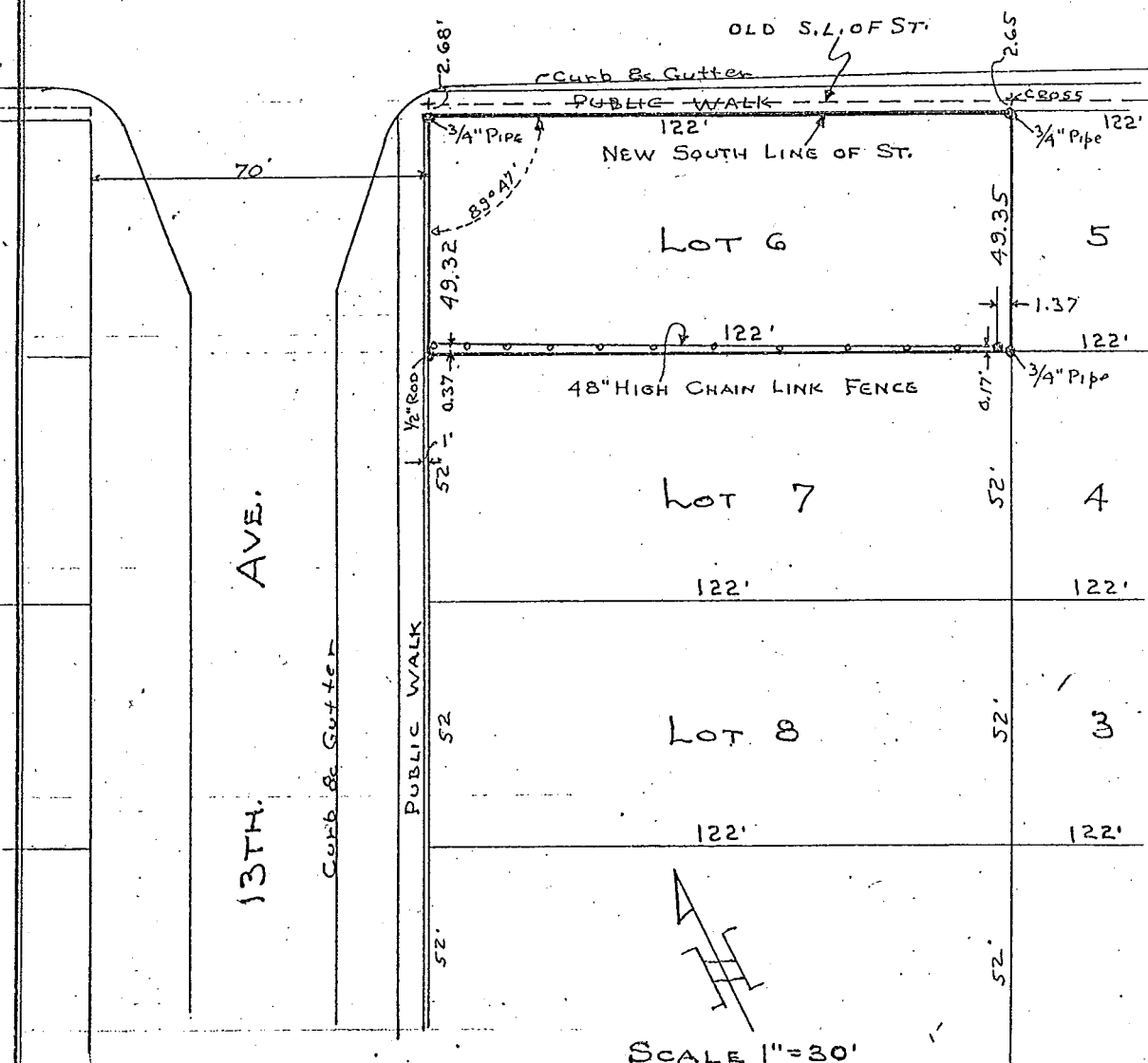
PLAT OF SURVEY

Description of lot or parcel of land LOT 6, BLOCK 66, C.L.A. TANK'S STN. ADDITION,
GREEN BAY, BROWN COUNTY, WIS., EXCEPT PART SOLD FOR HIGHWAY PURPOSES.

Name and address of owner LEBERG INC. 1130 CASS ST, GREEN BAY, WIS.

Address of premises surveyed W. MASON ST, GREEN BAY, WIS.

WEST MASON ST. (STATE HIGHWAY 54)



SCALE 1"=30'

State of Wisconsin }
County of Brown }

I, ROBERT D. HALL, hereby certify that I have made the above survey on the 14TH day of MAY 1960, and that the survey of the lot and the information relative to all existing buildings on such lot, all as shown on said survey, is complete and correct, and I further certify that LEBERG INC., OF GREEN BAY, WIS is the owner of record of the premises as described and shown above, and that I have procured the official description of the aforesaid premises from the official records now in possession of the said owner of record.

SIGNED Robert D Hall
LAND SURVEYOR

14671
GBU 2-87

Signed Statement of Legal Description

Parcel Identification No. 2-526

701 13th Avenue

Green Bay, Wisconsin

Legal Description:

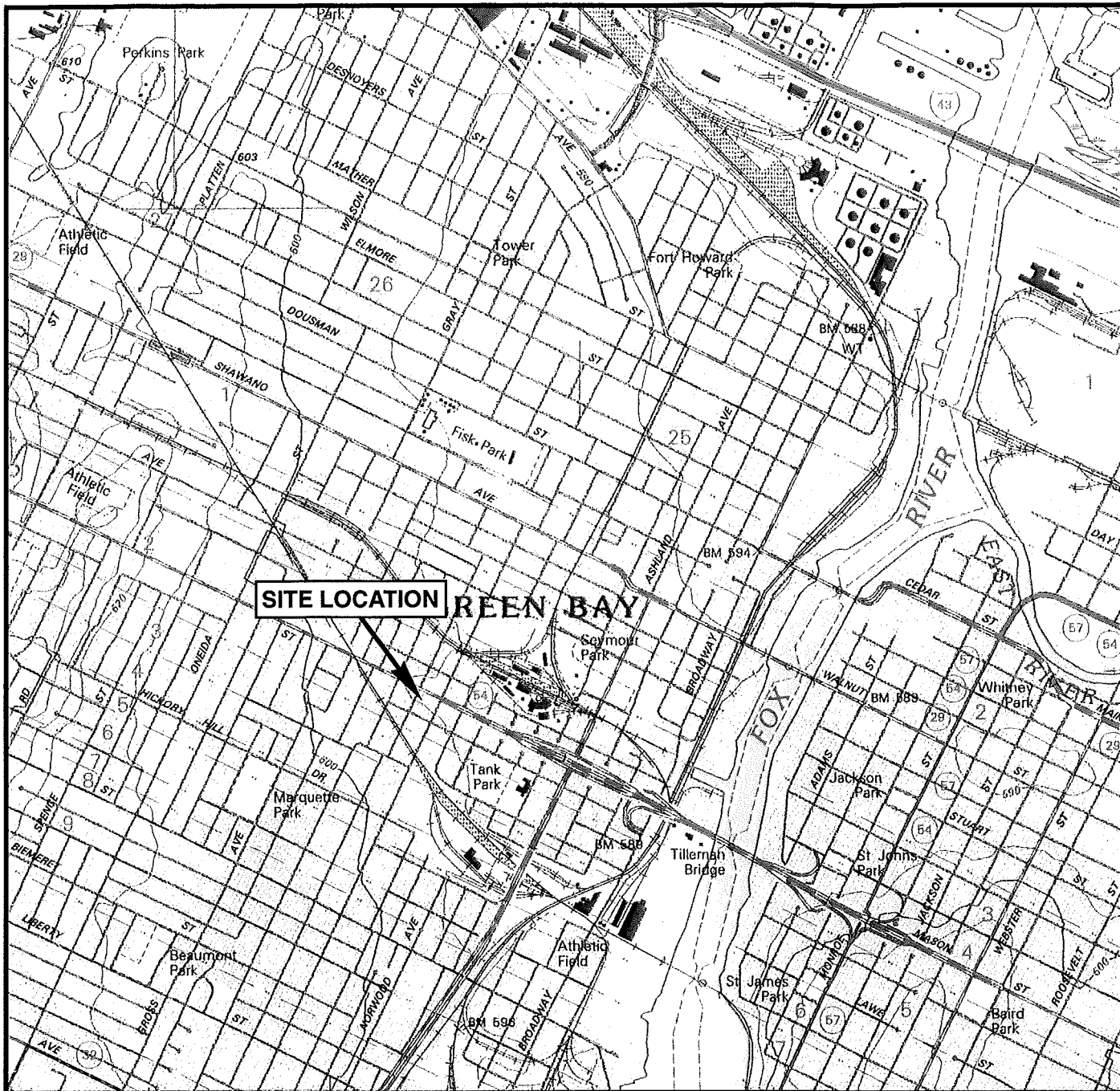
Lot Six (6), Block Sixty-Six (66), Except The North 2.75 Feet Thereof, According To The Recorded Plat of Mrs. C.L.A. Tank's Fifth Addition, In The City Of Green Bay, West Side Of Fox River, Brown County, Wisconsin.

I, Susan Van Schyndle, believe that the legal description provided above is complete and accurate to the best of my knowledge for the purpose of registering this site onto the Wisconsin Geographical Information System (GIS) Registry of Closed Remediation Sites.

Signature: Susan Van Schyndle

Title: Pres, Controlless Inc

Date: 12-13-12



SOURCE: USGS 7.5 Minute Topographic Map, Green Bay West, WISCONSIN Quadrangle, 1992



0 1000 2000 4000

SCALE IN FEET



WISCONSIN

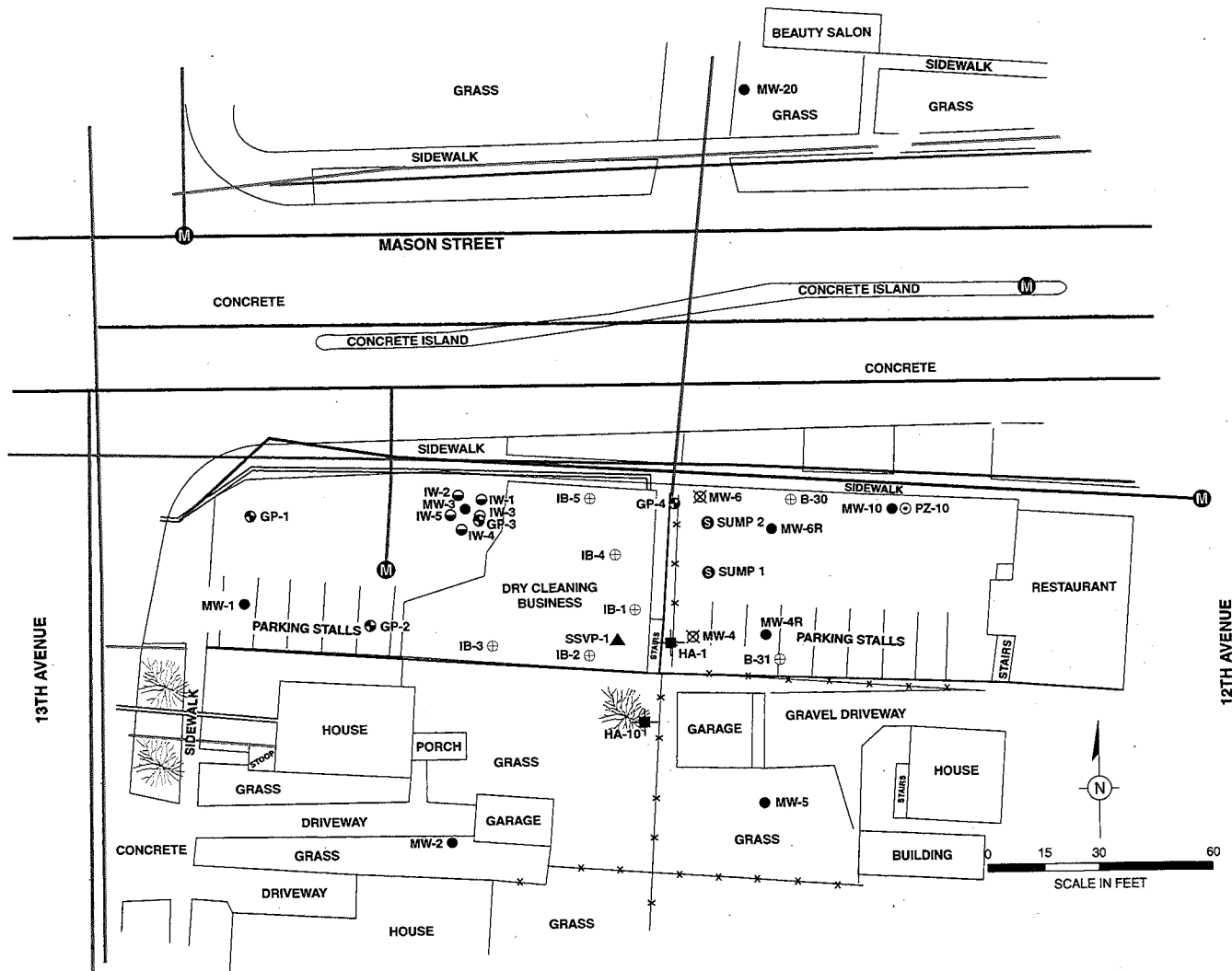
FORMER HOLIDAY DRY CLEANERS
701 13TH AVENUE
GREEN BAY, WISCONSIN

SITE LOCATION MAP



FIGURE

1



LEGEND

- MW-3 ● MONITORING WELL
- MW-4 ☒ ABANDONED MONITORING WELL
- GP-1 ⊙ GEOPROBE
- HA-1 ⊕ HAND AUGER
- SSVP-1 ▲ SUBSLAB VAPOR POINT
- B-30 ⊕ SOIL BORING
- PZ-10 ⊙ PIEZOMETER
- IW-2 ⊖ INJECTION WELL
- SUMP 1 ⊙ SUMP
- ==== GAS
- ==== OVERHEAD ELECTRIC
- ==== WATER
- ==== SANITARY SEWER
- ==== STORM SEWER
- 🌳 TREE
- ⊗ FENCE
- Ⓜ MANHOLE

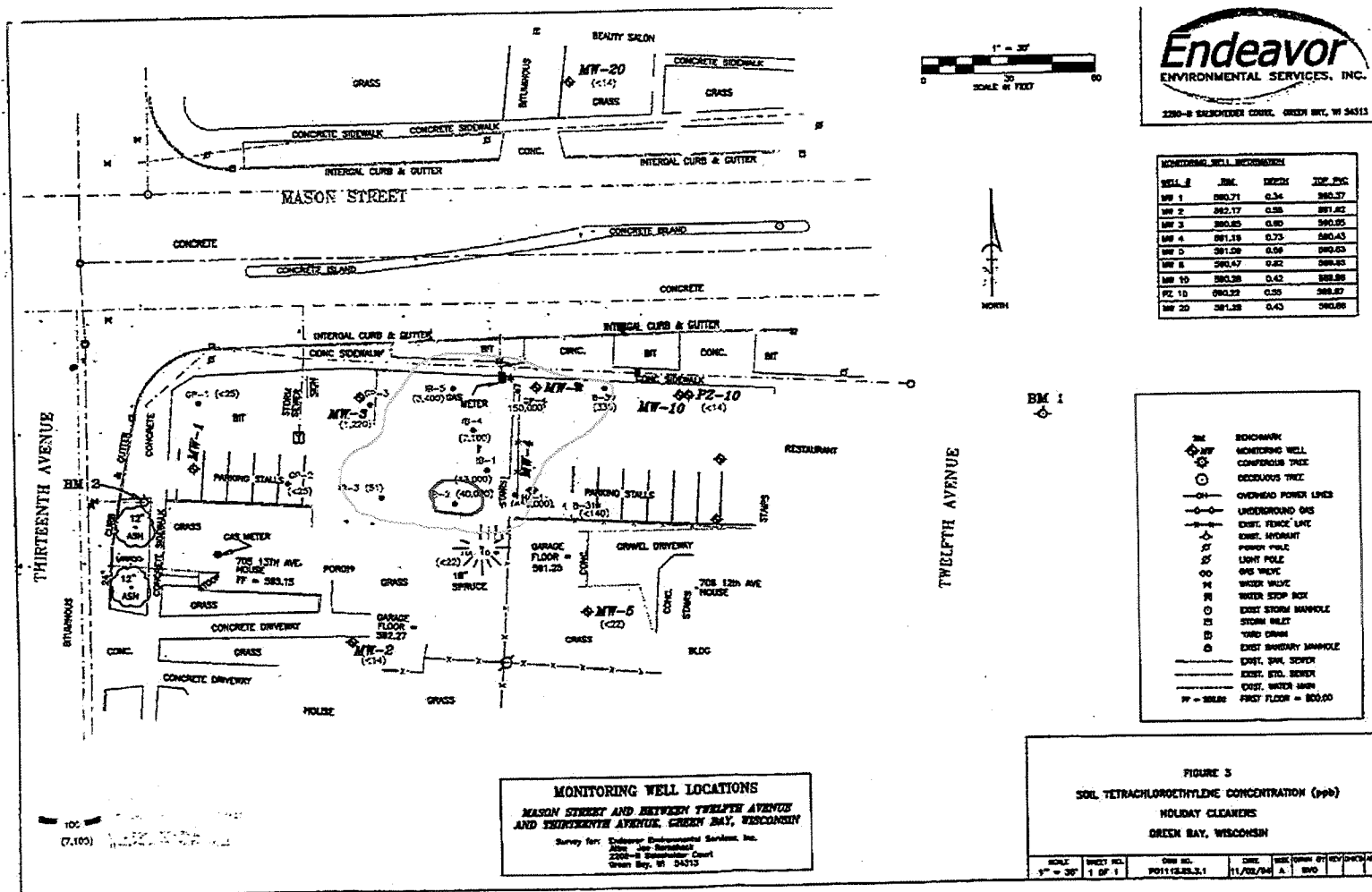
FORMER HOLIDAY DRY CLEANERS
701 13TH AVENUE
GREEN BAY, WISCONSIN



SITE LAYOUT

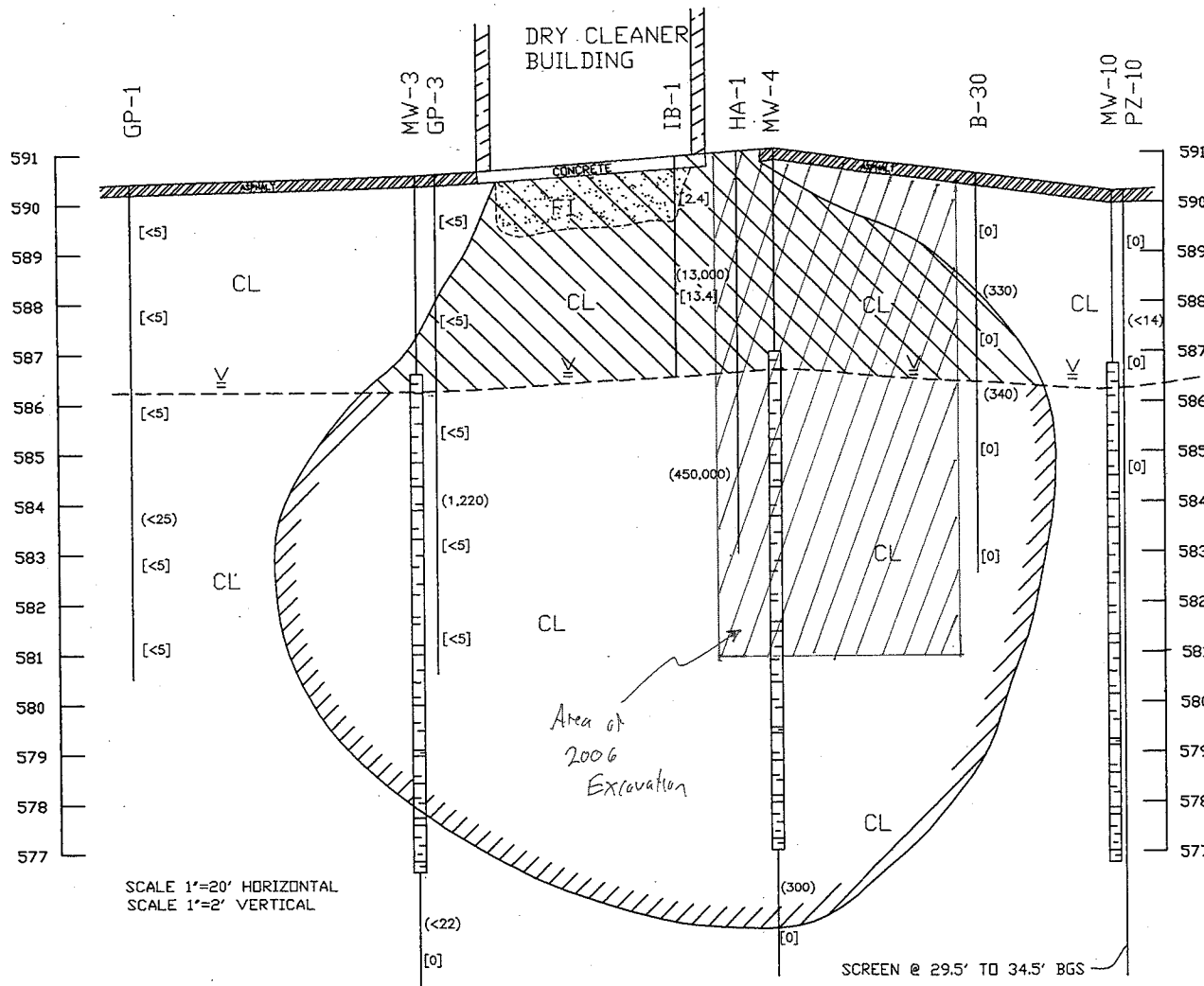


FIGURE

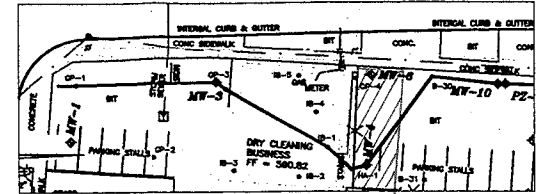
2



-  Extent of soil containing tetrachloroethene at concentration greater than non-industrial direct contact RCL of 30,700 ug/kg
-  Extent of soil containing tetrachloroethene at concentration greater than groundwater pathway RCL of 4.5 ug/kg



SCALE 1"=20' HORIZONTAL
 SCALE 1"=2' VERTICAL



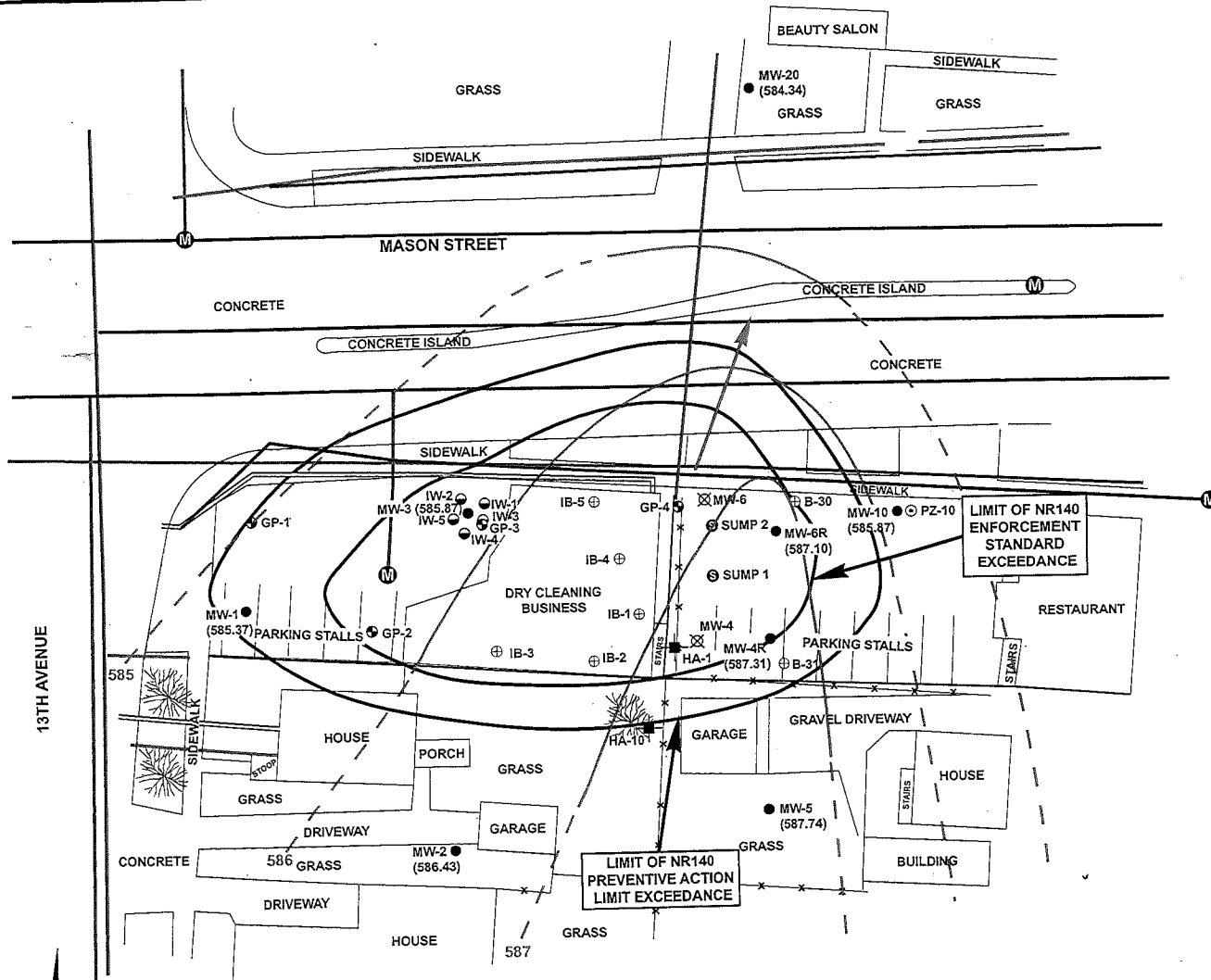
GW LEVEL
 7/9/04

- LEGEND
- SAND FILL
 - CL SILTY CLAY
 - (<14) SOIL TETRACHLOROETHYLENE CONCENTRATION (ppb)
 - (<5) PID READING (ppm)
 - EXTENT OF SOIL TETRACHLOROETHYLENE CONTAMINATION
 - EXTENT OF GROUNDWATER TETRACHLOROETHYLENE CONTAMINATION
 - GROUNDWATER LEVEL 7/9/04

FIGURE 5
 CROSS-SECTION
 HOLIDAY CLEANERS
 GREEN BAY, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	REV	CHK'D	APP'D
AS NOTED	1 OF 1	PO1113.85.5.1	04/15/05	B	JMR			

28AUG13 ENVIRONMENTAL DIGITAL CONTROL LEWIS1286 HOLIDAY DRY CLEANERS GRAPHICS SERV. CONTOUR MAP 082813.A1

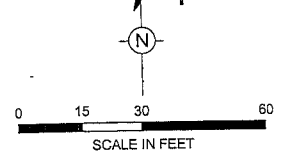


- LEGEND**
- MW-3 ● MONITORING WELL
 - MW-4 ☒ ABANDONED MONITORING WELL
 - GP-1 ⊕ GEOPROBE
 - HA-1 ⊕ HAND AUGER
 - B-30 ⊕ SOIL BORING
 - PZ-10 ⊕ PIEZOMETER
 - IW-2 ● INJECTION WELL
 - SUMP 1 ⊕ SUMP
 - GAS
 - OVERHEAD ELECTRIC
 - WATER
 - SANITARY SEWER
 - STORM SEWER
 - ☼ TREE
 - FENCE
 - Ⓜ MANHOLE
 - (585.87) GROUNDWATER ELEVATION (feet above mean seal level)
 - 586 GROUNDWATER ELEVATION CONTOUR (dashed where inferred)
 - ↘ GENERALIZED GROUNDWATER FLOW DIRECTION

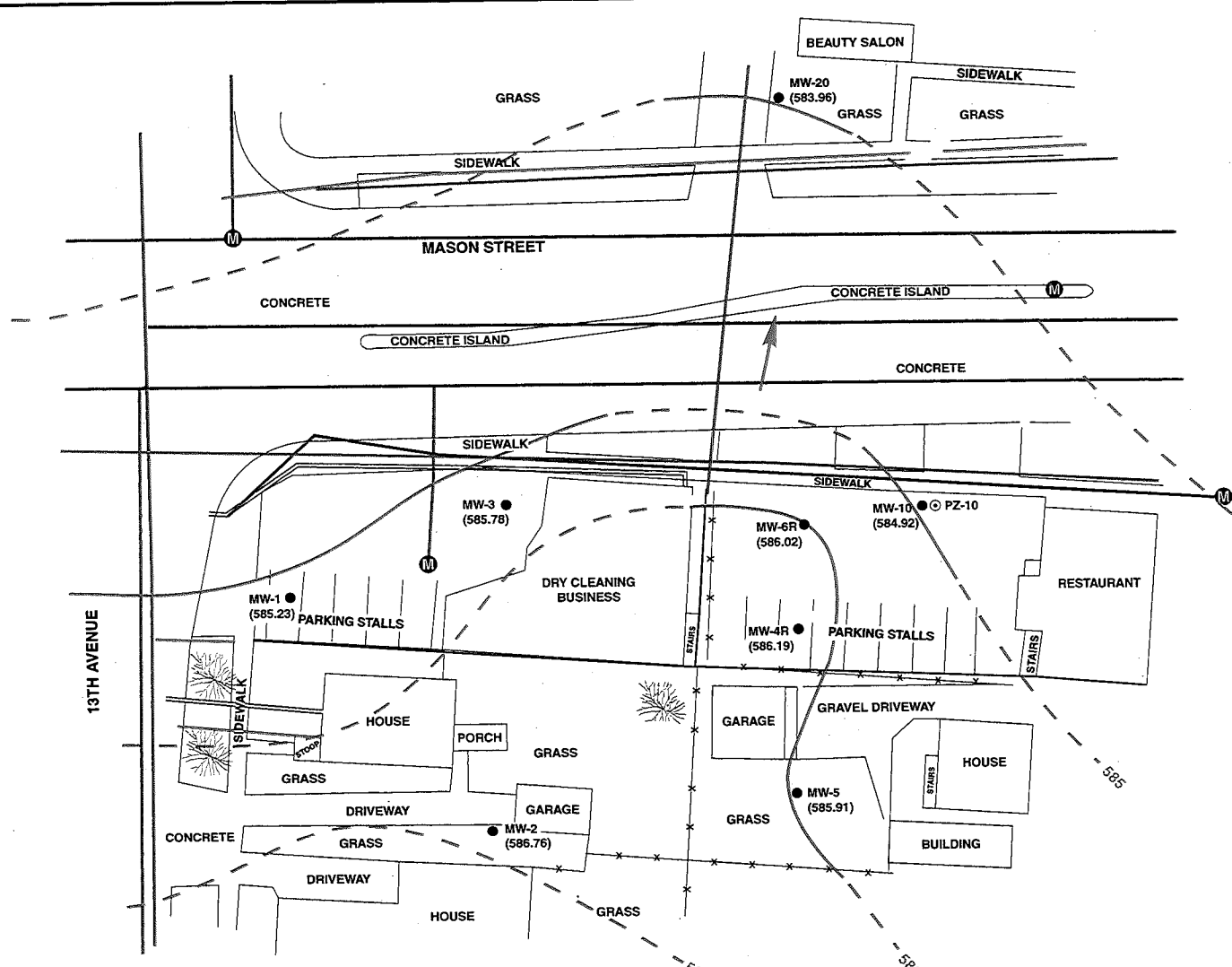
FORMER HOLIDAY DRY CLEANERS
701 13TH AVENUE
GREEN BAY, WISCONSIN

GROUNDWATER CONTOUR MAP
SEPTEMBER 2011

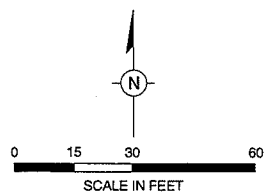
ARCADIS | FIGURE
4A



DWG DATE: 06SEP07 | PN: CONTROLLEWH126HOLIDAYCLEAN.AI | FILE NO.: GRAPHICS | DRAWING: GW CONTOUR 72307.AI | CHECKED: TS | APPROVED: | DRAFTER: LMB



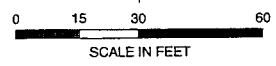
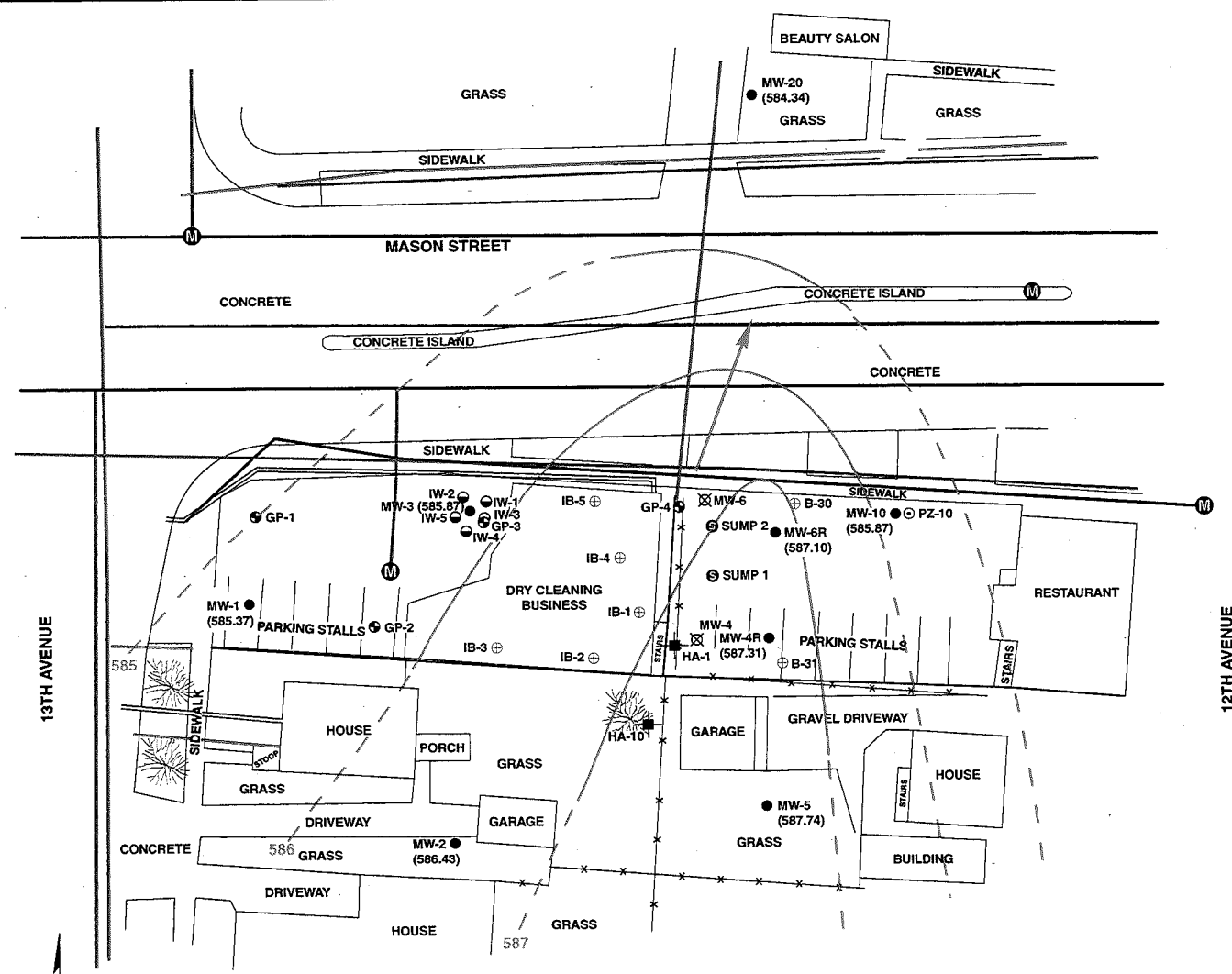
- LEGEND**
- MW-3 ● MONITORING WELL
 - PZ-10 ⊙ PIEZOMETER
 - GAS
 - OVERHEAD ELECTRIC
 - WATER
 - SANITARY SEWER
 - STORM SEWER
 - ☼ TREE
 - ✕✕✕ FENCE
 - Ⓜ MANHOLE
 - (586.02) GROUNDWATER ELEVATION (feet above mean sea level)
 - - - 584 GROUNDWATER ELEVATION CONTOUR (dashed where inferred)
 - GENERALIZED GROUNDWATER FLOW DIRECTION



	<p>GROUNDWATER CONTOUR MAP JULY 23, 2007 FORMER HOLIDAY DRY CLEANERS 701 13TH AVENUE GREEN BAY, WISCONSIN</p>	<p>FIGURE 5</p>
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200611ENVIRONMENTALMGLAB CONTROLLEDDRYCLEANINGGRAPHICCONTOUR.MAP.091111.A1

- LEGEND**
- MW-3 ● MONITORING WELL
 - MW-4 ☒ ABANDONED MONITORING WELL
 - GP-1 ⊙ GEOPROBE
 - HA-1 ⊕ HAND AUGER
 - B-30 ⊕ SOIL BORING
 - PZ-10 ⊙ PIEZOMETER
 - IW-2 ⊖ INJECTION WELL
 - SUMP 1 ⊙ SUMP
 - ===== GAS
 - ===== OVERHEAD ELECTRIC
 - ===== WATER
 - ===== SANITARY SEWER
 - ===== STORM SEWER
 - ☼ TREE
 - ×××× FENCE
 - Ⓜ MANHOLE
 - (585.87) GROUNDWATER ELEVATION (feet above mean seal level)
 - 586 GROUNDWATER ELEVATION CONTOUR (dashed where inferred)
 - GENERALIZED GROUNDWATER FLOW DIRECTION



FORMER HOLIDAY DRY CLEANERS 701 13TH AVENUE GREEN BAY, WISCONSIN	
GROUNDWATER CONTOUR MAP SEPTEMBER 11, 2011	
	FIGURE 3

Table 1
Soil Sample Laboratory Analytical Results
Holiday Cleaners
Green Bay, Wisconsin

Sample ID	Sample Date	Sample Interval (ft bgs)	PID (ppm eq)	DRO	Benzene	Ethyl-benzene	Toluene	Total Xylenes	Naphthalene	1,2,4-TMB	1,3,5-TMB	MTBE	Methylene Chloride	Tetrachloro ethene	Trichloro ethene	1,1,1-Trichloro ethane	n-Butyl benzene	sec-Butyl benzene	p-Isopropyl toluene	n-Propyl benzene	1,2,3-Trichloro benzene	Stoddard Solvent	
GP-1, S-4	10/9/2001	6.0 - 8.0	0	NA	<25	<25	<25	<25	<25	<25	<25	<25	<100	<25	<25	<25	<25	<25	<25	<25	<25	NA	
GP-2, S-3	10/9/2001	4.0 - 6.0	NA	NA	<25	<25	<25	<25	<25	<25	<25	<25	<100	1,220	<25	<25	<25	<25	<25	<25	<25	NA	
GP-3, S-4	10/9/2001	6.0 - 8.0	0	NA	<25	<25	<25	<25	<25	<25	<25	<25	<100	150,000	<25	<25	<25	<25	<25	<25	<25	NA	
GP-4, S-5	10/9/2001	8.0 - 10.0	20	NA	<25	<25	<25	<25	<25	<25	<25	<25	<100	450,000	<23	50	<22	<21	<21	<15	<20	NA	
HA-1, S-7	10/11/2001	6.0 - 7.0	NA	11.3	<25	<25	<25	<25	<25	<20	<11	<14	<14	<22	<23	58	<22	<21	<21	<15	<20	NA	
MW-2, S-1	3/3/2003	5.0 - 7.0	0	NA	<15	40	32	113	<25	<20	<11	<14	<14	<22	<23	45	<22	<21	<21	<15	<20	NA	
MW-2, S-2	3/3/2003	14.5 - 16.5	0	NA	<15	44	33	136	<25	<20	<11	<14	<14	300	<23	47	<22	<21	<21	<15	<20	NA	
MW-3, S-1	3/3/2003	14.5 - 16.5	0	NA	<15	43	33	138	<25	<20	<11	<14	<14	<22	<23	49	<22	<21	<21	<15	<20	NA	
MW-4, S-1	3/3/2003	14.5 - 16.5	2.9	NA	<15	43	32	135	<25	<20	<11	<14	<14	<22	<23	53	<22	<21	<21	<15	<20	NA	
MW-5, S-1	3/4/2003	6.0 - 8.0	0	NA	<15	44	38	131	<25	<20	<11	<14	<14	25	<23	37	<22	<21	<21	<15	<20	NA	
MW-5, S-2	3/4/2003	14.5 - 16.5	0	NA	<15	29	26	95	<20	<22	<18	<15	<14	<14	<15	<10	<17	<20	<16	<23	<21	NA	
MW-6, S-1	3/4/2003	14.5 - 16.5	0	NA	<15	29	26	95	<20	<22	<18	<15	<14	<14	<15	<10	<17	<20	<16	<23	<21	NA	
MW-20, S-3	6/1/2004	4.0 - 6.0	NA	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	<22	<23	48	<22	<21	<21	<15	<20	NA	
MeOH Blank	3/3/2003	NA	NA	NA	<15	47	33	134	<25	<20	<11	<14	32	<22	<23	<12	<22	<21	<21	<15	<20	NA	
HA-10, S-5	5/30/2003	4.0 - 5.0	0.0	NA	<15	<20	<21	<62	<25	<20	<11	<14	33	<22	<23	<12	<22	<21	<21	<15	<20	NA	
HA-10, S-8	5/30/2003	7.0 - 8.0	0.0	NA	<15	<20	<21	<62	<25	<20	<11	<14	28	<22	<23	<12	<22	<21	<21	<15	<20	NA	
HA-2, S-5	5/30/2003	4.0 - 5.0	0.0	NA	<15	<20	<21	<62	<25	<20	<11	<14	21	<22	<23	<12	<22	<21	<21	<15	<20	NA	
HA-2, S-8	5/30/2003	7.0 - 8.0	0.0	NA	<15	<20	<21	<62	<25	<20	<11	<14	21	<22	<23	<12	<22	<21	<21	<15	<20	NA	
MeOH Blank	5/30/2003	NA	NA	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	340	<15	<10	<17	<20	<21	<16	<21	NA	
B-30, S-2	9/29/2003	2.0 - 4.0	0	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	<140	<150	<100	1,200	480	820	1,300	320	<21	NA
B-30, S-3	9/29/2003	4.0 - 6.0	0	NA	<15	<17	<13	<63	2,400	8,900	2,000	<150	<140	<140	<150	<10	86	59	55	170	<21	NA	
B-31, S-2	9/29/2003	2.0 - 4.0	11.5	NA	<150	<170	<130	<630	220	960	43	<15	<14	<14	<15	<10	<17	<20	<16	<23	<21	NA	
B-31, S-3	9/29/2003	2.0 - 4.0	0.7	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	<14	<15	<10	<17	<20	<16	<23	<21	NA	
PZ-10, S-2	9/29/2003	4.0 - 6.0	0	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	13,000	<150	<100	<170	<200	<160	<230	<210	NA	
PZ-10, S-3	9/29/2003	4.0 - 6.0	0	NA	<15	<17	<13	<63	<200	<220	<180	<150	<140	40,000	<150	<100	<170	<200	<160	<230	<210	NA	
IB1, S-2	8/2/2004	2.5 - 4.5	13.4	NA	<150	<170	<130	<630	<200	<220	<180	<150	<140	51	<15	<10	<17	<20	<16	<23	<21	NA	
IB2, S-2	8/2/2004	2.5 - 4.5	25.3	NA	<15	<17	<13	<63	<20	<22	<18	<15	<14	7,100	<74	<52	<86	<100	<78	<120	<100	NA	
IB3, S-2	8/2/2004	2.5 - 4.5	1.3	NA	<74	<85	<66	<313	<100	<110	<92	<73	<70	3,400	170	<26	<43	<50	<39	<58	<52	NS	
IB4, S-2	8/2/2004	2.5 - 4.5	4.7	NA	<37	<42	<33	<157	<51	<54	<46	<36	<35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
IB5, S-2	8/2/2004	2.5 - 4.5	3.8	NA	<37	<42	<33	<157	<51	<54	<46	<36	<35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NR 720.09 RCLs				100	5.5	2,900	1,500	4,100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NR 746.06 Table 1 (free product indicator)				NS	8,500	4,600	38,000	42,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
NR 746.06 Table 2 (direct contact standard)				NS	1,100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Notes:
Bold value represents an exceedance of the WDNR NR720 Generic Soil Standard
Italic value represents a blank contaminant
 bgs: below ground surface
 ppm eq: part per million equivalent
 TMB: trimethylbenzene
 MTBE: methyl tert-butyl ether
 NA: not analyzed/not applicable
 NS: no standard

Non Industrial Direct Contact RCL (mg/kg)	NS	1.49	7.47	818	258	5.15	89.8	182	59.4	60.7	30.7	0.644	640	108	145	162	264	48.9	NS	NS	NS	NS
Soil to Groundwater Pathway RCL (mg/kg)	NS	0.0051	1.57	1.1672	3.94	0.6587	1.3793	1.3793	0.027	0.0026	0.0045	0.0036	0.1402	NS	NS	NS	NS	0.408	NS	NS	NS	NS

direct contact RCL exceedance
 groundwater pathway RCL exceedance

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID Sample Date	Preventive Action Limit	Enforcement Standard	GP-2	GP-3	GP-4	HA-1	MW-1		
			10/11/01	10/11/01	10/11/01	10/11/01	04/23/03	07/09/04	12/11/06
VOCs (µg/L)									
1,1,1-Trichloroethane	40	200	<0.500	<0.500	<0.500	<0.500	<0.27	<0.27	<0.50
1,1-Dichloroethane	85	850	<0.500	<0.500	<0.500	<0.500	<0.30	<0.30	<0.50
1,1-Dichloroethene	0.7	7	NA	NA	NA	NA	NA	NA	<0.50
1,2,4-Trimethylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	<0.20
1,3,5-Trimethylbenzene	NE	NE	NA	NA	NA	NA	NA	NA	<0.20
Total TMBs	96	480	<2.00	<2.00	<2.00	<2.00	<0.70	<0.70	<0.4
1,2-Dichloroethane	0.5	5	<0.500	<0.500	<0.500	<0.500	<0.34	<0.34	<0.50
1,2-Dichloropropane	0.5	5	<0.500	<0.500	<0.500	<0.500	<0.35	<0.35	<0.50
1,4-Dichlorobenzene	15	75	NA	NA	NA	NA	NA	NA	<0.20
Benzene	0.5	5	<0.500	0.535	0.644	<0.500	<0.29	<0.29	<0.20
Chloromethane	0.3	3	NA	NA	NA	NA	NA	NA	<0.20
cis-1,2-Dichloroethene	7	70	<0.500	<0.500	2.17	<0.500	<0.40	<0.40	<0.50
Ethylbenzene	140	700	<0.500	<0.500	<0.500	3.33	<0.26	<0.26	<0.50
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
Naphthalene	10	100	<2.00	<2.00	<2.00	<2.00	<0.39	<0.39	<0.25
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<0.50
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	<0.20
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<0.25
Tetrachloroethene	0.5	5	13.8	90.2	11,800	59,900	<0.31	<0.31	0.57 J
Toluene	200	1,000	<0.500	<0.500	<0.500	<0.500	<0.34	<0.34	<0.20
trans-1,2-Dichloroethene	20	100	NA	NA	NA	NA	NA	NA	<0.50
Trichloroethene	0.5	5	<0.500	1.05	8.91	10.1	<0.25	<0.25	<0.20
Vinyl chloride	0.02	0.2	<0.170	<0.170	<0.170	<0.170	<0.11	<0.11	<0.20
Xylenes, Total	1,000	10,000	<0.500	<0.500	<0.500	<0.500	<0.89	<0.89	<0.50
Total Detected VOCs	NE	NE	13.8	91.785	11,811.724	59,913.43	ND	ND	0.57
Dissolved Gases									
Carbon dioxide (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	48
Ethane (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	0.01 J
Ethene (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	0.043
Methane (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	5.1

Footnotes on Page 2.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID Sample Date	Preventive Action Limit	Enforcement Standard	GP-2	GP-3	GP-4	HA-1	MW-1			
			10/11/01	10/11/01	10/11/01	10/11/01	04/23/03	07/09/04	12/11/06	
Total Organic Carbon (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.15
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	NA	NA	NA	NA	NA	NA	NA	NA	NA	420
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	120
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014
Nitrate as N	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.4 J
Phosphorus, Total (as P)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
Total Kjeldahl Nitrogen	NA	NA	NA	NA	NA	NA	NA	NA	NA	1

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-1 (continued)										
	07/23/07	01/28/08	04/15/08	07/07/08	10/20/08	01/20/09	04/22/09	07/13/09	09/30/09	01/11/10	09/20/11
VOCs (µg/L)											
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total TMBs	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloromethane	<0.20	<0.20	<0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	<0.25	<0.25	<0.25	<0.25 C	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	2.5	0.96 J	1.3 J	2.8	2.9	0.83 Ja	1.4 J	2	1.4 Ja	1.2 J	2.3
Toluene	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	2.5	0.96	1.3	2.8	2.9	0.83	1.4	2	1.4	1.2	2.3
Dissolved Gases											
Carbon dioxide (mg/L)	59	44	46	55	62	52	45	64	66	NA	51
Ethane (µg/L)	0.22	0.004 J	0.003 J	0.016 J	0.004 J	0.017 J	0.019 J	<0.025 U	0.01 J	<0.025 U	<0.025
Ethene (µg/L)	13	0.006 J	<0.025	0.009 J	<0.025 U	0.016 J	0.17	0.014 J	0.1	0.068	0.052
Methane (µg/L)	17	3.3	0.64	2.1	0.11	0.33	3	0.072 J	0.16	0.43	0.11

Footnotes on Page 4.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-1 (continued)											
	07/23/07	01/28/08	04/15/08	07/07/08	10/20/08	01/20/09	04/22/09	07/13/09	09/30/09	01/11/10	09/20/11	
Sample Date												
Total Organic Carbon (mg/L)	2.19	1.37	1.22	1.44	0.810 J	0.761 J	3.18	0.384 ET	0.843 ET	1.05	3.9	
Natural Attenuation Parameters (mg/L)												
Alkalinity, Total (CaCO ₃)	340	NA	560	NA	440	NA	510	NA	420	NA	NA	
Chloride	160	NA	320	NA	200	NA	420	NA	460	NA	NA	
Manganese	<0.0018	NA	0.0085	NA	0.0023 Ja	NA	0.0013 Ja	NA	0.0019 Ja	NA	NA	
Nitrate as N	11 H6	NA	9.0 H	NA	8.5	NA	10 H	NA	11 H2	NA	NA	
Phosphorus, Total (as P)	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	NA	
Sulfate	230	NA	260	NA	230	NA	210	NA	210	NA	NA	
Total Kjeldahl Nitrogen	0.40 Ja	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	NA	

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID Sample Date	MW-2											
	04/23/03	07/09/04	12/12/06	07/23/07	01/29/08	04/15/08	07/07/08	10/20/08	01/20/09	04/22/09	07/13/09	
VOCs (µg/L)												
1,1,1-Trichloroethane	<0.27	<0.27	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total TMBs	<0.70	<0.70	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	<0.34	<0.34	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.35	<0.35	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	NA	NA	0.2 J	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	<0.29	<0.29	<0.20	<0.20	<0.20	<0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chloromethane	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	<0.40	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.26	<0.26	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.39	<0.39	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	NA	NA	<0.25	<0.25	<0.25	<0.25	<0.25 C	<0.25	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	<0.31	<0.31	0.67 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	<0.34	<0.34	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.25	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.11	<0.11	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.89	<0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	ND	ND	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Gases												
Carbon dioxide (mg/L)	NA	NA	44	55	36	25	26	44	56	30	54	
Ethane (µg/L)	NA	NA	0.007 J	0.11	<0.025	0.009 J	0.004 J	<0.025 U	0.034	0.026	0.012 J	
Ethene (µg/L)	NA	NA	0.044	3.4	<0.025	<0.025	0.018 J	<0.025 U	0.043	0.37	0.032	
Methane (µg/L)	NA	NA	3.1	8	0.71	0.71	8.8	0.26	0.23	0.65	0.92	

Footnotes on Page 6.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-2										
	Sample Date	04/23/03	07/09/04	12/12/06	07/23/07	01/29/08	04/15/08	07/07/08	10/20/08	01/20/09	04/22/09
Total Organic Carbon (mg/L)	NA	NA	1.65	2.94	1.73	1.96	2.25	0.890 J	5.53	3.42	1.86
Natural Attenuation Parameters (mg/L)											
Alkalinity, Total (CaCO ₃)	NA	NA	410	420	NA	460	NA	450	NA	470	NA
Chloride	NA	NA	32 J	20	NA	37	NA	26	NA	37	NA
Manganese	NA	NA	<0.00096	<0.0018	NA	0.0082	NA	<0.00096	NA	0.84	NA
Nitrate as N	NA	NA	<0.50	<0.50 H6	NA	5.7	NA	2.6	NA	0.45 H, J	NA
Phosphorus, Total (as P)	NA	NA	<0.10	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA
Sulfate	NA	NA	65	40	NA	50	NA	22 Ja	NA	24	NA
Total Kjeldahl Nitrogen	NA	NA	<0.25	<0.25	NA	<0.25	NA	<0.25	NA	0.26 Ja	NA

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID Sample Date	MW-2 (continued)			MW-3						
	09/30/09	01/11/10	09/20/11	04/23/03	07/09/04	12/12/06	05/01/07	07/24/07	10/31/07	01/30/08
VOCs (µg/L)										
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.27	<33	<5.0	<10	<8.0	<2.5	<2.5
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.30	<37	<5.0	<10	<8.0	<2.5	<2.5
1,1-Dichloroethene	<0.50	<0.50	<0.50	NA	NA	<5.0	<10	<8.0	<2.5	<2.5
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	NA	NA	<2.0	<4.0	<3.2	5.6	<1.0
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.20	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
Total TMBs	<0.4	<0.4	<0.4	<0.70	<87	<4	<8	<6.4	5.6	<2
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.34	<42	<5.0	<10	<8.0	<2.5	<2.5
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.35	<44	<5.0	<10	<8.0	<2.5	<2.5
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
Benzene	<0.20	<0.20	<0.20	<0.29	<36	<2.0	<4.0	<3.2	<1.0	<1.0
Chloromethane	<0.30	<0.30	<0.30	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.40	<50	<5.0	<10	<8.0	<2.5	7.2 J
Ethylbenzene	<0.50	<0.50	<0.50	<0.26	<33	<5.0	<10	<8.0	<2.5	<2.5
Isopropylbenzene	<0.50	<0.50	<0.50	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
Naphthalene	<0.25	<0.25	<0.25	<0.39	<49	<2.5	<5.0	<4.0	4.5	<1.2
n-Butylbenzene	<0.25	<0.25	<0.25	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
n-Propylbenzene	<0.20	<0.20	<0.20	NA	NA	<5.0	<10	<8.0	<2.5	<2.5
p-Isopropyltoluene	<0.50	<0.50	<0.50	NA	NA	<2.0	<4.0	<3.2	<1.0	<1.0
sec-Butylbenzene	<0.20	<0.20	<0.20	NA	NA	<2.5	<5.0	<4.0	<1.2	<1.2
Tetrachloroethene	<0.25	<0.25	<0.25	NA	NA	<2.5	<5.0	<4.0	<1.2	<1.2
Toluene	<0.50	<0.50	<0.50	1,100	1,400	970	890	620	340	410
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.34	<42	<2.0	<4.0	<3.2	<1.0	<1.0
Trichloroethene	<0.50	<0.50	<0.50	NA	NA	<5.0	<10	<8.0	<2.5	<2.5
Vinyl chloride	<0.20	<0.20	<0.20	16	<31	18	13	9.4 Ja	17	8.8
Xylenes, Total	<0.20	<0.20	<0.20	0.13	<13	<2.0	<4.0	<3.2	<1.0	<1.0
Total Detected VOCs	<0.50	<0.50	<0.50	<0.89	<110	<5.0	<10	<8.0	<2.5	<2.5
	ND	ND	ND	1,116.13	1,400	988	903	629.4	367.1	426
Dissolved Gases										
Carbon dioxide (mg/L)	75	NA	100	NA	NA	18	19	24	27	21
Ethane (µg/L)	0.012 J	0.026	<0.025	NA	NA	0.017 J	0.027	0.043	0.007 J	<0.025
Ethene (µg/L)	0.24	0.038	0.085	NA	NA	0.038	0.033	0.55	0.006 J	<0.025
Methane (µg/L)	0.42	10	1,800	NA	NA	2.5	1.1	2.1	0.91	0.69

Footnotes on Page 8.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-2 (continued)			MW-3						
	09/30/09	01/11/10	09/20/11	04/23/03	07/09/04	12/12/06	05/01/07	07/24/07	10/31/07	01/30/08
Sample Date										
Total Organic Carbon (mg/L)	1.32	3.42	7	NA	NA	1.06	1.11	1.16	0.287 J	1.54
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	590	NA	NA	NA	NA	300	NA	250	NA	NA
Chloride	48	NA	NA	NA	NA	130	NA	860	NA	NA
Manganese	0.0017 Ja	NA	NA	NA	NA	0.0034	NA	<0.0018	NA	NA
Nitrate as N	1.1	NA	NA	NA	NA	2.4 J	NA	<0.50 H6	NA	NA
Phosphorus, Total (as P)	<0.10	NA	NA	NA	NA	<0.10	NA	<0.10	NA	NA
Sulfate	29	NA	NA	NA	NA	120	NA	120	NA	NA
Total Kjeldahl Nitrogen	<0.25	NA	NA	NA	NA	0.6 J	NA	<0.50	NA	NA

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-3 (continued)	Dup	MW-3	Dup	MW-3	Dup	MW-3	Dup	MW-3	Dup
Sample Date	04/16/08	04/16/08	07/08/08	07/08/08	10/21/08	10/21/08	01/20/09	01/20/09	04/23/09	04/23/09
VOCs (µg/L)										
1,1,1-Trichloroethane	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
1,1-Dichloroethane	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
1,1-Dichloroethene	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
1,2,4-Trimethylbenzene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
1,3,5-Trimethylbenzene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
Total TMBs	<3.2	<4	<3.2	<0.4	<4	<4	<0.4	<0.4	<10	<4
1,2-Dichloroethane	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
1,2-Dichloropropane	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
1,4-Dichlorobenzene	<1.6	<2.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
Benzene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
Chloromethane	<1.6	<2.0	<2.4	<0.30	<3.0	<3.0	<0.30	<0.30	<7.5	<3.0
cis-1,2-Dichloroethene	50	48	41	44	70	63	36	37	55	47
Ethylbenzene	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
Isopropylbenzene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
Naphthalene	<2.0	<2.5	<2.0	<0.25	<2.5	<2.5	<0.25	<0.25	<6.2	<2.5
n-Butylbenzene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
n-Propylbenzene	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
p-Isopropyltoluene	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
sec-Butylbenzene	<2.0	<2.5	<2.0 C	<0.25 C	<2.5	<2.5	<0.25	<0.25	<6.2	<2.5
Tetrachloroethene	420	410	530	560	440	510	1,200	1,200	770	610
Toluene	<1.6	<2.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
trans-1,2-Dichloroethene	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
Trichloroethene	20	19	24	28	46	50	37	36	30	23
Vinyl chloride	<1.6	<2.0	<1.6	<0.20	<2.0	<2.0	<0.20	<0.20	<5.0	<2.0
Xylenes, Total	<4.0	<5.0	<4.0	<0.50	<5.0	<5.0	<0.50	<0.50	<12	<5.0
Total Detected VOCs	490	477	595	632	556	623	1273	1273	855	680
Dissolved Gases										
Carbon dioxide (mg/L)	60	NA	64	NA	89	NA	66	NA	81	NA
Ethane (µg/L)	0.004 J	NA	0.004 J	NA	0.008 J	NA	<0.025 U	NA	0.009 J	NA
Ethene (µg/L)	<0.025	NA	0.021 J	NA	0.07	NA	0.011 J	NA	0.033	NA
Methane (µg/L)	20	NA	50	NA	690	NA	1	NA	2.7	NA

Footnotes on Page 10.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-3 (continued)	Dup	MW-3	Dup	MW-3	Dup	MW-3	Dup	MW-3	Dup
Sample Date	04/16/08	04/16/08	07/08/08	07/08/08	10/21/08	10/21/08	01/20/09	01/20/09	04/23/09	04/23/09
Total Organic Carbon (mg/L)	1.3	NA	0.970 J	NA	0.608 J	NA	0.693 J	NA	3.8	NA
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	620	NA	NA	NA	570	NA	NA	NA	660	NA
Chloride	970	NA	NA	NA	1,600	NA	NA	NA	2,000	NA
Manganese	0.11	NA	NA	NA	0.34	NA	NA	NA	0.055	NA
Nitrate as N	1.5	NA	NA	NA	<0.75	NA	NA	NA	<1.5 RL9	NA
Phosphorus, Total (as P)	<0.10	NA	NA	NA	<0.10	NA	NA	NA	<0.10	NA
Sulfate	98	NA	NA	NA	110	NA	NA	NA	140	NA
Total Kjeldahl Nitrogen	<1.2	NA	NA	NA	<0.25	NA	NA	NA	0.25 Ja	NA

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-3 (continued)		Dup	MW-3	Dup	MW-3	Dup	MW-3	Dup	MW-4	
	07/15/09	07/14/09	10/01/09	10/01/09	01/12/10	01/12/10	09/20/11	09/19/11	04/23/03	07/09/04	
VOCs (µg/L)											
1,1,1-Trichloroethane	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1	<130
1,1-Dichloroethane	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.2	<150
1,1-Dichloroethene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA
1,2,4-Trimethylbenzene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
1,3,5-Trimethylbenzene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
Total TMBs	<4	<6.4	<4	<4	<4	<4	<4	<4	<4	1.67	<350
1,2-Dichloroethane	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.5	<170
1,2-Dichloropropane	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1	<170
1,4-Dichlorobenzene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA
Benzene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.1	<150
Chloromethane	<3.0	<4.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA	NA
cis-1,2-Dichloroethene	64	67	69	68	56	55	38	37		1.4	<200
Ethylbenzene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.27	<130
Isopropylbenzene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
Naphthalene	<2.5	<4.0	<2.5	9.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.39	<200
n-Butylbenzene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
n-Propylbenzene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA
p-Isopropyltoluene	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
sec-Butylbenzene	<2.5	<4.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	NA
Tetrachloroethene	680	670	670	700	850	740	540	540		11,000	23,000
Toluene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.52	<170
trans-1,2-Dichloroethene	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA
Trichloroethene	50	47	55	60	40	39	35	35		56	280
Vinyl chloride	<2.0	<3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.11	53
Xylenes, Total	<5.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.57	<440
Total Detected VOCs	794	784	794	837.5	946	834	613	612		11,068.23	23,333
Dissolved Gases											
Carbon dioxide (mg/L)	110	NA	77	NA	NA	NA	83	NA	NA	NA	NA
Ethane (µg/L)	<0.025 U	NA	0.015 J	NA	0.006 J	NA	<0.025	NA	NA	NA	NA
Ethene (µg/L)	0.032	NA	0.091	NA	0.039	NA	0.067	NA	NA	NA	NA
Methane (µg/L)	210	NA	220	NA	270	NA	29	NA	NA	NA	NA

Footnotes on Page 12.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-3 (continued)		Dup		MW-3		Dup		MW-4	
	07/15/09	07/14/09	10/01/09	10/01/09	01/12/10	01/12/10	09/20/11	09/19/11	04/23/03	07/09/04
Sample Date										
Total Organic Carbon (mg/L)	0.488 ET	NA	0.836 ET	NA	1.23 ET	NA	3.7	NA	NA	NA
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	NA	NA	490	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	1,700	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA
Nitrate as N	NA	NA	<0.15	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total (as P)	NA	NA	<0.10	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	140	NA	NA	NA	NA	NA	NA	NA
Total Kjeldahl Nitrogen	NA	NA	0.42 Ja	NA	NA	NA	NA	NA	NA	NA

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-4R									
	Sample Date	12/13/06	04/30/07	07/24/07	10/31/07	01/30/08	04/18/08	07/08/08	10/22/08	01/20/09
VOCs (µg/L)	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	<0.50	<2.5	<5.0
1,1,1-Trichloroethane	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	<0.50	<2.5	<5.0
1,1-Dichloroethane	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	0.61 Ja	<2.5	<5.0
1,1-Dichloroethene	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	0.61 Ja	<2.5	<5.0
1,2,4-Trimethylbenzene	<2.0	22	9.2 Ja	16	16	3.2 J	3.0 Ja	130	19	7.5
1,3,5-Trimethylbenzene	<2.0	7.4	<5.0	<4.0	2.8 J	<1.0	<2.0	14	2.4 Ja	<2.0
Total TMBs	<4	29.4	9.2 Ja	16	18.8 J	3.2 J	3 Ja	144	21.4 Ja	7.5
1,2-Dichloroethane	45	<5.0	<12	<10	<2.5	<2.5	<5.0	<0.50	<2.5	<5.0
1,2-Dichloropropane	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	<0.50	<2.5	<5.0
1,4-Dichlorobenzene	<2.0	<2.0	<5.0	<4.0	<1.0	<1.0	<5.0	<0.50	<2.5	<5.0
Benzene	<2.0	<2.0	<5.0	<4.0	<1.0	<1.0	<2.0	0.58 Ja	<1.0	<2.0
Chloromethane	<2.0	<2.0	<5.0	<4.0	<1.0 C4	<1.0	<3.0	<0.30	<1.5	<3.0
cis-1,2-Dichloroethene	<5.0	<5.0	18 Ja	<10	140	40	78	230	190	98
Ethylbenzene	<5.0	16 J	20 Ja	<10	12	12	20	110	25	8.1 J
Isopropylbenzene	<2.0	4.6 J	10 Ja	5.2 Ja	7	5.8	11	26	8	4.6 J
Naphthalene	<2.5	4.3 J	9.5 Ja	<5.0	4.4	<1.2	<2.5	58	5.8	<2.5
n-Butylbenzene	<2.0	<2.0	<5.0	<4.0	1.0 J	<1.0	<2.0	<0.20	1.0 Ja	<2.0
n-Propylbenzene	<5.0	6.9 J	13 Ja	<10	10	9.8	11 Ja	50	14	<5.0
p-Isopropyltoluene	<2.0	<2.0	<5.0	<4.0	<1.0	<1.0	<2.0	1	<1.0	<2.0
sec-Butylbenzene	<2.5	<2.5	<6.2	<5.0	1.6 J	1.4 J	<2.5 C	3.8	1.4 Ja	<2.5
Tetrachloroethene	670	2,800	1,100	800	270	510	500	300	550	820
Toluene	<2.0	<2.0	<5.0	<4.0	<1.0	<1.0	<5.0	<0.50	<2.5	<5.0
trans-1,2-Dichloroethene	<5.0	<5.0	<12	<10	<2.5	<2.5	<5.0	9.6	<2.5	7.8 J
Trichloroethene	8.1	28	110	32	140	94	180	100	110	200
Vinyl chloride	<2.0	<2.0	<5.0	<4.0	<1.0	<1.0	<2.0	<0.20	<1.0	<2.0
Xylenes, Total	<5.0	27	<12	<10	8.2 J	<2.5	<5.0	100	7.5 Ja	<5.0
Total Detected VOCs	723.1	2,916.20	1,289.70	853.2	613	676.2	803	1,133.59	934.1	1,146
Dissolved Gases										
Carbon dioxide (mg/L)	98	100	170	160	84	83	110	170	110	120
Ethane (µg/L)	0.064	0.35	0.34	0.62	0.18	0.25	0.38	0.98	0.42	0.27
Ethene (µg/L)	0.053	0.13	0.47	0.16	0.048	0.072	0.17	0.2	0.11	0.26
Methane (µg/L)	17	150	140	280	87	110	160	3,000	1,700	710

Footnotes on Page 14.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-4R									
	Sample Date	12/13/06	04/30/07	07/24/07	10/31/07	01/30/08	04/18/08	07/08/08	10/22/08	01/20/09
Total Organic Carbon (mg/L)	5.94	6.92	6.5	5.77	5.8	5.07	6.45	20.6	7.61	11
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	520	NA	580	NA	NA	560	NA	560	NA	720
Chloride	120	NA	240	NA	NA	420	NA	250	NA	640
Manganese	0.34	NA	0.99	NA	NA	0.48	NA	1	NA	0.98
Nitrate as N	<0.50	NA	<0.50 H6	NA	NA	<0.15 H3	NA	<0.75	NA	<0.30 H
Phosphorus, Total (as P)	<0.10	NA	<0.10	NA	NA	<0.10	NA	0.30 Ja	NA	<0.10
Sulfate	78	NA	41	NA	NA	68	NA	<7.5	NA	57
Total Kjeldahl Nitrogen	0.26 J	NA	<0.25	NA	NA	<2.5	NA	NA	NA	0.64 Ja

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-4R (continued)				MW-5					
	07/14/09	10/01/09	01/12/10	09/19/11	04/23/03	07/09/04	12/12/06	07/23/07	01/29/08	04/15/08
VOCs (µg/L)										
1,1,1-Trichloroethane	<5.0	<2.5	<8.0	<2.0	<0.27	<0.27	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<5.0	<2.5	<8.0	<2.0	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<5.0	<2.5	<8.0	<2.0	NA	NA	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	35	120	<3.2	62	NA	NA	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	3.6 Ja	4.5	<3.2	1.7 J	NA	NA	<0.20	<0.20	<0.20	<0.20
Total TMBs	38.6 Ja	124.5	<6.4	63.7 J	<0.70	<0.70	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	<5.0	<2.5	<8.0	<2.0	<0.34	<0.34	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<5.0	<2.5	<8.0	<2.0	<0.35	<0.35	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<5.0	<2.5	<8.0	<2.0	NA	NA	<0.20	<0.20	<0.20	<0.20
Benzene	<2.0	<1.0	<3.2	<0.80	<0.29	<0.29	<0.20	<0.20	<0.20	<0.20
Chloromethane	<3.0	<1.5	<4.8	<1.2	NA	NA	<0.20	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	190	220	78	340	<0.40	<0.40	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	42	140	8.3 J	10	<0.26	<0.26	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	11	35	5.8 J	11	NA	NA	<0.20	<0.20	<0.20	<0.20
Naphthalene	59	61	<4.0	20	<0.39	<0.39	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<2.0	4.3	<3.2	3.4 J	NA	NA	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	19	61	8.8 J	12	NA	NA	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<2.0	1.3 Ja	<3.2	<0.80	NA	NA	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	<2.5	4.4	<4.0	3.2 J	NA	NA	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	510	270	940	390	<0.31	<0.31	<0.50	<0.50	<0.50	<0.50
Toluene	<5.0	<2.5	<8.0	<2.0	<0.34	<0.34	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	8.0 Ja	6.4 Ja	<8.0	8.2	NA	NA	<0.50	<0.50	<0.50	<0.50
Trichloroethene	350	150	230	120	<0.25	<0.25	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<2.0	<1.0	<3.2	<0.80	<0.11	<0.11	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	15 Ja	76	<8.0	6.0 J	<0.89	<0.89	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	1,242.60	1,153.90	1,270.90	987.5	ND	ND	ND	ND	ND	ND
Dissolved Gases										
Carbon dioxide (mg/L)	170	180	NA	150	NA	NA	23	25	22	21
Ethane (µg/L)	0.32	1.4	0.4	0.83	NA	NA	0.005 J	0.062	<0.025	0.016 J
Ethene (µg/L)	0.13	0.34	0.084	0.28	NA	NA	0.035	1.5	<0.025	0.1
Methane (µg/L)	390	2500	390	540	NA	NA	2.5	4.3	0.49	1.6

Footnotes on Page 16.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-4R (continued)				MW-5					
	07/14/09	10/01/09	01/12/10	09/19/11	04/23/03	07/09/04	12/12/06	07/23/07	01/29/08	04/15/08
Sample Date										
Total Organic Carbon (mg/L)	5.84 ET	17.8	4.88 ET	15	NA	NA	1.13	2.3	1.67	1.52
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	NA	660	NA	NA	NA	NA	320	320	NA	360
Chloride	NA	430	NA	NA	NA	NA	36	40	NA	40
Manganese	NA	0.56	NA	NA	NA	NA	<0.00096	<0.0018	NA	0.018
Nitrate as N	NA	<0.15	NA	NA	NA	NA	13 J	15 H6	NA	16
Phosphorus, Total (as P)	NA	<0.10	NA	NA	NA	NA	<0.10	<0.10	NA	<0.10
Sulfate	NA	5.4	NA	NA	NA	NA	76	38	NA	56
Total Kjeldahl Nitrogen	NA	0.76 Ja	NA	NA	NA	NA	1.2	0.33 Ja	NA	<0.25

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-5 (continued)						MW-6		MW-6R		
	07/07/08	10/20/08	04/22/09	07/13/09	09/30/09	09/20/11	04/23/03	07/09/04	12/13/06	04/30/07	07/24/07
VOCs (µg/L)											
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<130	<5.0	<10	<25
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.93	<150	<5.0	<10	<25
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	<5.0	<10	<25
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	58	<0.20	NA	NA	<2.0	<4.0	<10
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	16	<0.20	NA	NA	<2.0	<4.0	<10
Total TMBs	<0.4	<0.4	<0.4	<0.4	74	<0.4	<0.70	<350	<4	<8	<20
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	<170	<5.0	<10	<25
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.35	<170	<5.0	<10	<25
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	<2.0	<4.0	<10
Benzene	<0.20	<0.20	<0.20	<0.20	340	<0.20	5	<150	<2.0	<4.0	<10
Chloromethane	<0.30	<0.30	<0.30	0.40 Ja	<0.30	<0.30	NA	NA	<2.0	<4.0	<10
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.98	<200	5.9 J	<10	<25
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	33	<0.50	<0.26	<130	<5.0	<10	<25
Isopropylbenzene	<0.20	<0.20	<0.20	<0.20	3.6	<0.20	NA	NA	<2.0	<4.0	<10
Naphthalene	<0.25	<0.25	<0.25	<0.25	14	<0.25	<0.39	<200	<2.5	<5.0	<12
n-Butylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	NA	<2.0	<4.0	<10
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	6.5	<0.50	NA	NA	<5.0	<10	<25
p-Isopropyltoluene	<0.20	<0.20	<0.20	<0.20	0.23 Ja	<0.20	NA	NA	<2.0	<4.0	<10
sec-Butylbenzene	<0.25 C	<0.25	<0.25	<0.25	<0.25	<0.25	NA	NA	<2.5	<5.0	<12
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5,100	3,800	1,000	2,700	3,100
Toluene	<0.50	<0.50	<0.50	<0.50	600	<0.50	<0.34	<170	<2.0	<4.0	<10
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	<5.0	<10	<25
Trichloroethene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	15	<120	42	110	210
Vinyl chloride	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.11	<53	<2.0	<4.0	<10
Xylenes, Total	<0.50	<0.50	<0.50	<0.50	430	<0.50	<0.89	<440	<5.0	<10	<25
Total Detected VOCs	ND	ND	ND	0.4	1,501.33	ND	5,125.45	3,800	1,047.90	2,810	3,310
Dissolved Gases											
Carbon dioxide (mg/L)	19	24	17	24	54	98	NA	NA	82	87	110
Ethane (µg/L)	0.003 J	0.003 J	<0.025 U	<0.025 U	0.048	<0.025	NA	NA	0.32	1.4	1.8
Ethene (µg/L)	<0.025 U	<0.025 U	0.038	<0.025 U	0.086	0.05	NA	NA	0.25	2.1	0.63
Methane (µg/L)	0.48	0.12	0.13	0.08 J	1.1	0.18	NA	NA	69	190	140

Footnotes on Page 18.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-5 (continued)						MW-6		MW-6R		
	07/07/08	10/20/08	04/22/09	07/13/09	09/30/09	09/20/11	04/23/03	07/09/04	12/13/06	04/30/07	07/24/07
Total Organic Carbon (mg/L)	1.63	1.14	2.71	1.09	3.08	5.7	NA	NA	7.57	6.59	6.25
Natural Attenuation Parameters (mg/L)											
Alkalinity, Total (CaCO ₃)	NA	420	400	NA	330 J	NA	NA	NA	520	NA	680
Chloride	NA	36	47	NA	72	NA	NA	NA	250	NA	180
Manganese	NA	0.0062	<0.00096	NA	0.15	NA	NA	NA	0.27	NA	0.49
Nitrate as N	NA	8	9.4 H	NA	1.1	NA	NA	NA	1.9	NA	<0.50 H6
Phosphorus, Total (as P)	NA	<0.10	<0.10	NA	<0.10	NA	NA	NA	<0.10	NA	<0.10
Sulfate	NA	70	88	NA	52	NA	NA	NA	48	NA	54
Total Kjeldahl Nitrogen	NA	<0.25	<0.25	NA	0.28 Ja	NA	NA	NA	0.28 J	NA	0.27 Ja

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-6R (continued)											
	Sample Date	10/31/07	01/30/08	04/18/08	07/08/08	10/21/08	01/21/09	04/23/09	07/14/09	10/01/09	01/12/10	09/19/11
VOCs (µg/L)												
1,1,1-Trichloroethane	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
1,1-Dichloroethane	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
1,1-Dichloroethene	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
1,2,4-Trimethylbenzene	<10	<2.0	<2.0	<1.0	<2.0	<0.80	<0.20	<0.80	<2.0	<2.0	<1.0	
1,3,5-Trimethylbenzene	<10	<2.0	<2.0	<1.0	<2.0	<0.80	<0.20	<0.80	<2.0	<2.0	<1.0	
Total TMBs	<20	<4	<4	<2	<4	<1.6	<0.4	<1.6	<4	<4	<2	
1,2-Dichloroethane	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
1,2-Dichloropropane	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
1,4-Dichlorobenzene	<10	<2.0	<2.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
Benzene	<10	<2.0	<2.0	1.8 Ja	<2.0	1.8 Ja	0.23 J	<0.80	<2.0	2.5 J	1.1 J	
Chloromethane	<10	<2.0 C4	<2.0 C	<1.5	<3.0	<1.2	<0.30	<1.2	<3.0	<3.0	<1.5	
cis-1,2-Dichloroethene	<25	300	300	750	300	380	21	130	110	290	120	
Ethylbenzene	<25	<5.0	<5.0	<2.5	<5.0	11	<0.50	<2.0	<5.0	16 J	<2.5	
Isopropylbenzene	<10	2.7 J	<2.0	<1.0	<2.0	1.8 Ja	<0.20	<0.80	<2.0	4.2 J	<1.0	
Naphthalene	<12	<2.5	<2.5	<1.2	<2.5	1.1 Ja	<0.25	<1.0	5.0 Ja	<2.5	<1.3	
n-Butylbenzene	<10	<2.0	<2.0	<1.0	<2.0	<0.80	<0.20	<0.80	<2.0	<2.0	<1.0	
n-Propylbenzene	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
p-Isopropyltoluene	<10	<2.0	<2.0	<1.0	<2.0	<0.80	<0.20	<0.80	<2.0	<2.0	<1.0	
sec-Butylbenzene	<12	<2.5	<2.5	<1.2 C	<2.5	<1.0	<0.25	<1.0	<2.5	<2.5	<1.3	
Tetrachloroethene	2,100	570	300	590	820	480	61	440	500	760	470	
Toluene	<10	<2.0	<2.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
trans-1,2-Dichloroethene	<25	<5.0	<5.0	5.0 Ja	<5.0	3.0 Ja	4	<2.0	<5.0	<5.0	<2.5	
Trichloroethene	130	140	34	190	220	200	16	110	98	200	120	
Vinyl chloride	<10	<2.0	<2.0	<1.0	<2.0	<0.80	<0.20	<0.80	<2.0	<2.0	<1.0	
Xylenes, Total	<25	<5.0	<5.0	<2.5	<5.0	<2.0	<0.50	<2.0	<5.0	<5.0	<2.5	
Total Detected VOCs	2,230	1,012.70	634	1,536.80	1,340	1,078.70	102.23	680	713	1,272.70	711.1	
Dissolved Gases												
Carbon dioxide (mg/L)	110	94	62	83	130	99	67	110	110	NA	92	
Ethane (µg/L)	1.2	0.94	0.35	0.55	0.58	0.45	0.22	0.2	0.13	0.45	0.39	
Ethene (µg/L)	0.2	0.11	0.24	0.94	0.82	0.39	0.74	0.066	0.2	0.32	0.38	
Methane (µg/L)	78	220	260	230	450	780	160	180	240	2700	200	

Footnotes on Page 20.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-6R (continued)											
	Sample Date	10/31/07	01/30/08	04/18/08	07/08/08	10/21/08	01/21/09	04/23/09	07/14/09	10/01/09	01/12/10	09/19/11
Total Organic Carbon (mg/L)	4.19	22.1	3.06	3.63	3	8.82	6.45	2.40 ET	3.32 ET	8.89	6.7	
Natural Attenuation Parameters (mg/L)												
Alkalinity, Total (CaCO ₃)	NA	NA	630	NA	800	NA	700	NA	560	NA	NA	
Chloride	NA	NA	140	NA	140	NA	140	NA	180	NA	NA	
Manganese	NA	NA	0.53	NA	1.3	NA	0.19	NA	0.32	NA	NA	
Nitrate as N	NA	NA	18 H3	NA	<0.75	NA	13 H	NA	0.7	NA	NA	
Phosphorus, Total (as P)	NA	NA	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	NA	
Sulfate	NA	NA	86	NA	32	NA	38	NA	33	NA	NA	
Total Kjeldahl Nitrogen	NA	NA	<0.25	NA	<0.25	NA	0.35 Ja	NA	0.47 Ja	NA	NA	

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID Sample Date	MW-10									
	10/10/03	07/09/04	12/13/06	04/30/07	07/24/07	10/31/07	01/30/08	04/16/08	07/08/08	10/21/08
VOCs (µg/L)										
1,1,1-Trichloroethane	<0.23	<0.27	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.22	<0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.51 Ja
1,3,5-Trimethylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.51 Ja
Total TMBs	<0.51	<0.70	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.02 Ja
1,2-Dichloroethane	0.79	1.8	0.55 J	<0.50	0.72 Ja	<0.50	0.84 J	<0.50	1.0 Ja	<0.50
1,2-Dichloropropane	<0.19	<0.35	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.92
Benzene	1.9	0.82	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.30	<0.30
Chloromethane	NA	NA	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	<0.22	<0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.21	<0.26	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.98
Isopropylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.25
Naphthalene	<0.39	<0.39	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.77 Ja
p-Isopropyltoluene	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	NA	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 C	0.42 Ja
Tetrachloroethene	<0.18	<0.31	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	<0.23	<0.34	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.22	<0.25	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.18	<0.11	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.55	<0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	2.69	2.62	0.55	ND	0.72	ND	0.84	ND	1	4.11
Dissolved Gases										
Carbon dioxide (mg/L)	NA	NA	130	100	130	160	78	98	120	150
Ethane (µg/L)	NA	NA	0.054	0.017 J	0.035	0.006 J	0.004 J	0.008 J	<0.025 U	0.081
Ethene (µg/L)	NA	NA	0.038	0.036	0.7	<0.025	0.008 J	0.011 J	<0.025 U	0.066
Methane (µg/L)	NA	NA	30	2	2.9	13	1.9	1.2	0.79	160

Footnotes on Page 22.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-10									
	Sample Date	10/10/03	07/09/04	12/13/06	04/30/07	07/24/07	10/31/07	01/30/08	04/16/08	07/08/08
Total Organic Carbon (mg/L)	NA	NA	3.84	3.32	3.59	2.33	3.3	2.77	3.75	3.02
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	NA	NA	600	NA	590	NA	NA	680	NA	860
Chloride	NA	NA	370	NA	260	NA	NA	240	NA	250
Manganese	NA	NA	0.25	NA	1.2	NA	NA	0.012	NA	0.47
Nitrate as N	NA	NA	<0.50	NA	2.8 H6	NA	NA	14	NA	<0.75
Phosphorus, Total (as P)	NA	NA	<0.10	NA	<0.10	NA	NA	<0.10	NA	<0.10
Sulfate	NA	NA	34	NA	23 Ja	NA	NA	22	NA	12 Ja
Total Kjeldahl Nitrogen	NA	NA	<0.25	NA	<0.50	NA	NA	<0.25	NA	<0.25

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-10 (continued)						MW-20				
	01/20/09	04/23/09	07/14/09	10/01/09	01/12/10	09/19/11	07/09/04	12/12/06	07/24/07	01/29/08	04/16/08
VOCs (µg/L)											
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.27	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20
Total TMBs	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.70	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	1.5 Ja	<0.50	0.72 Ja	<0.50	1.1 J	<0.50	2.3	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.35	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.20	<0.20	<0.20	<0.20
Benzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.29	<0.20	<0.20	<0.20	<0.20
Chloromethane	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NA	<0.20	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.26	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.39	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.31	<0.50	<0.50	<0.50	<0.50
Toluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.34	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.11	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.89	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	1.5	ND	0.72	ND	1.1	ND	2.3	ND	ND	ND	ND
Dissolved Gases											
Carbon dioxide (mg/L)	150	72	130	160	NA	140	NA	43	39	33	21
Ethane (µg/L)	0.016 J	<0.025 U	<0.025 U	0.02 J	0.007 J	<0.025	NA	0.01 J	0.04	<0.025	0.008 J
Ethene (µg/L)	0.013 J	0.1	0.01 J	0.28	<0.025 U	0.054	NA	0.036	0.89	<0.025	0.027
Methane (µg/L)	24	0.26	0.65	33	5.3	9	NA	2.3	3.3	0.28	0.47

Footnotes on Page 24.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-10 (continued)						MW-20				
	01/20/09	04/23/09	07/14/09	10/01/09	01/12/10	09/19/11	07/09/04	12/12/06	07/24/07	01/29/08	04/16/08
Total Organic Carbon (mg/L)	2.29	6.39	2.08 ET	2.95 ET	4.03	7.9	NA	1.52	2.11	1.71	1.25
Natural Attenuation Parameters (mg/L)											
Alkalinity, Total (CaCO ₃)	NA	500	NA	750	NA	NA	NA	430	410	NA	260
Chloride	NA	160	NA	280	NA	NA	NA	33	18	NA	14
Manganese	NA	0.0013 Ja	NA	0.25	NA	NA	NA	0.0046	<0.0018	NA	0.013
Nitrate as N	NA	12 H	NA	1.3	NA	NA	NA	3	2.3 H6	NA	2.3 H3
Phosphorus, Total (as P)	NA	<0.10	NA	<0.10	NA	NA	NA	<0.10	<0.10	NA	<0.10
Sulfate	NA	14	NA	30	NA	NA	NA	150	66	NA	58
Total Kjeldahl Nitrogen	NA	<0.25	NA	0.48 Ja	NA	NA	NA	0.49 J	<0.25	NA	<0.25

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-20 (continued)							PZ-10		
	07/07/08	10/21/08	04/22/09	07/14/09	10/01/09	01/12/10	09/20/11	12/13/06	07/24/07	01/30/08
VOCs (µg/L)										
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total TMBs	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	<0.50	0.67 Ja	<0.50	<0.50	0.75 Ja	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20
Benzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloromethane	<0.30	<0.30	<0.30	0.30 Ja	<0.30	<0.30	<0.30	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	<0.25 C	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	ND	0.67	ND	0.3	0.75	ND	ND	ND	ND	ND
Dissolved Gases										
Carbon dioxide (mg/L)	39	48	25	28	33	NA	44	5.3	2.9 J	2.7 J
Ethane (µg/L)	0.004 J	0.016 J	<0.025 U	<0.025 U	0.006 J	<0.025 U	0.038	0.017 J	0.05	0.016 J
Ethene (µg/L)	0.14	0.031	0.35	0.01 J	0.13	<0.025 U	0.062	0.032	0.54	0.007 J
Methane (µg/L)	1.5	7.1	0.38	0.19	2	0.055 J	0.23	1.6	2.6	0.64

Footnotes on Page 26.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	MW-20 (continued)							PZ-10		
	07/07/08	10/21/08	04/22/09	07/14/09	10/01/09	01/12/10	09/20/11	12/13/06	07/24/07	01/30/08
Total Organic Carbon (mg/L)	1.84	1.76	2.48	0.931 J	1.61	1.2	4.2	2.17	6.6	2.45
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	NA	620	520	NA	490	NA	NA	140	120	NA
Chloride	NA	55	22	NA	50	NA	NA	16 J	9.8	NA
Manganese	NA	0.19	<0.00096	NA	0.18	NA	NA	0.0042	0.016	NA
Nitrate as N	NA	<0.75	2.9 H	NA	0.76	NA	NA	0.53 J	<0.50 H6	NA
Phosphorus, Total (as P)	NA	<0.10	<0.10	NA	<0.10	NA	NA	<0.10	0.23 Ja	NA
Sulfate	NA	210	80	NA	210	NA	NA	670	660	NA
Total Kjeldahl Nitrogen	NA	<0.25	<0.25	NA	0.52 Ja	NA	NA	<0.25	<0.50	NA

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	PZ-10 (continued)									
	Sample Date	04/15/08	04/16/08	10/21/08	01/20/09	04/22/09	07/14/09	10/01/09	01/12/10	09/19/11
VOCs (µg/L)										
1,1,1-Trichloroethane	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total TMBs	<0.4	NA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
1,2-Dichloroethane	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	<0.20	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloromethane	<0.20	NA	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
cis-1,2-Dichloroethene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.25	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Butylbenzene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	<0.25	NA	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Tetrachloroethene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	<0.20	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	<0.20	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Detected VOCs	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Gases										
Carbon dioxide (mg/L)	4 J	NA	4.1 J	4.2 J	4.7 J	3.7 J	NA	NA	<5.0	
Ethane (µg/L)	0.013 J	NA	0.036	0.011 J	0.027	0.015 J	NA	0.008 J	0.026	
Ethene (µg/L)	<0.025	NA	<0.025 U	0.018 J	0.2	<0.025 U	NA	0.013 J	0.07	
Methane (µg/L)	0.74	NA	1.2	0.45	1.6	0.52	NA	0.12	0.19	

Footnotes on Page 28.

Table 3. Summary of Groundwater Monitoring Well VOC Analytical Results, Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	PZ-10 (continued)									
	Sample Date	04/15/08	04/16/08	10/21/08	01/20/09	04/22/09	07/14/09	10/01/09	01/12/10	09/19/11
Total Organic Carbon (mg/L)	NA	2.62	1.68	2.84	3.07	1.16 ET	1.6	1.19	4	
Natural Attenuation Parameters (mg/L)										
Alkalinity, Total (CaCO ₃)	210	NA	160	NA	140	NA	80	NA	NA	
Chloride	270	NA	95	NA	200	NA	110	NA	NA	
Manganese	0.029	NA	0.088	NA	0.0056	NA	0.015	NA	NA	
Nitrate as N	<1.5 H3	NA	<0.75	NA	0.31 H, J	NA	<0.15	NA	NA	
Phosphorus, Total (as P)	<0.20	NA	<0.10	NA	<0.10	NA	0.18 Ja	NA	NA	
Sulfate	490	NA	600	NA	560	NA	640	NA	NA	
Total Kjeldahl Nitrogen	0.30 J	NA	0.35 Ja	NA	<0.25	NA	0.81 Ja	NA	NA	

100 Concentration exceeds NR 140 Preventive Action Limit.

100 Concentration exceeds NR 140 Enforcement Standard.

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

CaCO₃ Calcium bicarbonate.

Dup Duplicate sample.

ET Matrix interference in sample is causing an endpoint timeout.

H Sample analysis performed past method-specified holding time.

H2 Initial analysis within holding time. Reanalysis for the required dilution was past holding time.

H3 Sample received and analyzed past hold time.

H6 Sample was stored at >0° and <4° Celsius and prepared within the method allowed 24 hour hold time.

J Estimated.

Ja Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.

µg/L Micrograms per liter.

mg/L Milligrams per liter.

NA Not analyzed or not available.

ND Not detected.

NE Not established.

P Phosphorous.

RL9 Sample required dilution due to high concentrations of non-target analyte.

TMB Trimethylbenzenes

U Not detected.

VOCs Volatile organic compound.

Table 2. Groundwater Elevation Data, Former Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	Top-of-Casing Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet)	Measurement Date	Depth to Water (feet)	Water Level Elevation (feet amsl)
MW-1	590.37	590.71	4-14	4/23/03	3.63	586.74
				7/9/04	3.70	586.67
				12/11/06	5.32	585.05
				4/30/07	4.48	585.89
				7/23/07	5.14	585.23
				10/31/07	4.53	585.84
				1/28/08	5.01	585.36
				4/14/08	3.72	586.65
				7/7/08	4.05	586.32
				10/20/08	5.54	584.83
				1/19/09	6.72	583.65
				4/21/09	3.42	586.95
				7/13/09	5.09	585.28
				9/30/09	5.48	584.89
1/11/10	5.52	584.85				
9/19/11	5.00	585.37				
MW-2	591.62	592.17	4-14	4/23/03	2.88	588.74
				7/9/04	3.90	587.72
				12/11/07	4.60	587.02
				4/30/07	3.88	587.74
				7/23/07	4.86	586.76
				10/31/07	4.60	587.02
				1/28/08	3.52	588.10
				4/14/08	1.49	590.13
				7/7/08	3.77	587.85
				10/20/08	7.50	584.12
				1/19/09	5.62	586.00
				4/21/09	2.08	589.54
				7/13/09	5.52	586.10
				9/30/09	7.35	584.27
1/11/10	4.06	587.56				
9/19/11	5.19	586.43				
MW-3	590.05	590.65	4-14	4/23/03	3.55	586.50
				7/9/04	3.75	586.30
				12/11/06	5.32	584.73
				4/30/07	4.62	585.43
				7/23/07	4.27	585.78
				10/31/07	4.20	585.85
				1/28/08	4.43	585.62
				4/14/08	2.79	587.26
				7/7/08	3.59	586.46
				10/20/08	5.09	584.96
				1/19/09	6.00	584.05
				4/21/09	2.89	587.16
				7/13/09	3.91	586.14
				9/30/09	4.79	585.26
1/11/10	4.90	585.15				
9/19/11	4.18	585.87				

Table 2. Groundwater Elevation Data, Former Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	Top-of-Casing Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet)	Measurement Date	Depth to Water (feet)	Water Level Elevation (feet amsl)
Footnotes on Page 3.						
MW-4	590.43	591.16	4-14	4/23/03	1.82	588.61
				7/9/04	3.80	586.63
MW-4R	590.99	591.24	4-14	12/11/07	4.63	586.36
				4/30/07	3.65	587.34
				7/23/07	4.80	586.19
				10/31/07	3.81	587.18
				1/28/08	3.24	587.75
				4/14/08	1.10	589.89
				7/7/08	2.81	588.18
				10/20/08	5.43	585.56
				1/19/09	5.10	585.89
				4/21/09	1.89	589.10
				7/13/09	3.92	587.07
				9/30/09	5.15	585.84
				1/11/10	4.08	586.91
9/19/11	3.68	587.31				
MW-5	590.53	591.09	4-14	4/23/03	1.52	589.01
				7/9/04	1.90	588.63
				12/11/07	3.20	587.33
				4/30/07	2.55	587.98
				7/23/07	4.62	585.91
				10/31/07	3.50	587.03
				1/28/08	3.33	587.20
				4/14/08	3.01	587.52
				7/7/08	2.48	588.05
				10/20/08	5.55	584.98
				1/19/09	under snow	
				4/21/09	0.87	589.66
				7/13/09	4.12	586.41
9/30/09	5.35	585.18				
9/19/11	2.79	587.74				
MW-6	589.65	590.47	4-14	4/23/03	4.00	585.65
				7/9/04	4.37	585.28
MW-6R	590.46	590.82	3-11		abandoned	
				12/11/07	4.71	585.75
				4/30/07	3.74	586.72
				7/23/07	4.44	586.02
				10/31/07	3.79	586.67
				1/28/08	3.69	586.77
				4/14/08	0.50	589.96
				7/7/08	2.67	587.79
				10/20/08	4.21	586.25
				1/19/09	5.27	585.19
				4/21/09	1.79	588.67
				7/13/09	3.30	587.16

Table 2. Groundwater Elevation Data, Former Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	Top-of-Casing Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet)	Measurement Date	Depth to Water (feet)	Water Level Elevation (feet amsl)
				9/30/09	3.97	586.49
				1/11/10	4.09	586.37
				9/19/11	3.36	587.10
Footnotes on Page 3.						
MW-10	589.86	590.28	3-13	7/9/04	3.69	586.17
				12/11/07	5.86	584.00
				4/30/07	3.54	586.32
				7/23/07	4.94	584.92
				10/31/07	4.64	585.22
				1/28/08	5.24	584.62
				4/14/08	3.12	586.74
				7/7/08	3.63	586.23
				10/20/08	4.53	585.33
				1/19/09	6.51	583.35
				4/21/09	3.09	586.77
				7/13/09	4.52	585.34
				9/30/09	3.96	585.90
				1/11/10	6.01	583.85
				9/19/11	3.99	585.87
MW-20	590.86	591.29	2.5-12.5	7/9/04	8.05	582.81
				12/11/07	6.59	584.27
				4/30/07	6.79	584.07
				7/23/07	6.90	583.96
				10/31/07	6.48	584.38
				1/28/08	5.39	585.47
				4/14/08	4.36	586.50
				7/7/08	5.43	585.43
				10/20/08	8.03	582.83
				1/19/09	under snow	
				4/21/09	6.94	583.92
				7/13/09	6.33	584.53
				9/30/09	8.46	582.40
				1/11/10	7.67	583.19
				9/19/11	6.52	584.34
PZ-10	589.67	590.22	29.5-34.5	7/9/04	33.50	556.17
				12/11/07	29.60	560.07
				4/30/07	30.99	558.68
				7/23/07	31.87	557.80
				10/31/07	32.25	557.42
				1/28/08	29.64	560.03
				4/14/08	29.53	560.14
				7/7/08	33.00	556.67
				10/20/08	32.87	556.80
				1/19/09	31.12	558.55
				4/21/09	30.90	558.77
				7/13/09	32.73	556.94
				9/30/09	32.77	556.90
				1/11/10	30.20	559.47

Table 2. Groundwater Elevation Data, Former Holiday Dry Cleaners, Green Bay, Wisconsin.

Well ID	Top-of-Casing Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet)	Measurement Date	Depth to Water (feet)	Water Level Elevation (feet amsl)
				9/19/11	23.35	566.32

amsl Above mean sea level.

Marty and Sharon Smits
Executive Dry Cleaner
933 West Mason Street
Green Bay, WI 54303

Subject:
Notification of Groundwater Contamination and Continuing Obligations, 933 West Mason Street, Green Bay, Wisconsin.
FID# 405008560, BRRTS# 02-05-286542

Dear Mr. and Mrs. Smits:

This letter is in regards to the investigation of a release of tetrachloroethene on 933 West Mason Street, Green Bay, Wisconsin that has shown that contamination remains on your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken."

As part of the cleanup, I am proposing that portions of the remedy, consisting of use of existing pavement and landscaping as a cap, in conjunction with natural attenuation of residual constituents, and associated management of the cap and residual constituents be used at the eastern portion of 933 West Mason Street, Green Bay. The attached Cap Maintenance Plan outlines the continuing obligations, and the attached Figure depicts the limits of the cap area.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue
Green Bay WI, 54313

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the Cap Maintenance Plan, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Prohibited Activities: The following activities will be prohibited on any portion of the property where the cap is located, as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) disturbing the barrier by planting trees or shrubs; 3) replacement with another barrier; 4) excavating or grading of the land surface; 5) filling on covered or paved areas; 6) plowing for agricultural cultivation; 7) construction or placement of a building or other structure, or 8) changing the use or occupancy of the property to a residential setting, which may include certain uses such as single or multiple family residences, a school, day care, senior care, hospital or similar residential exposure settings.

Continuing Obligations:

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination is present on the property located at 933 West Mason Street, Green Bay. The levels of tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume on 933 West Mason Street is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure."

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the area beneath the cap depicted on the attached figure. The remaining contaminants include tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. The following steps have been taken to address any exposure to the remaining soil contamination. A hot-spot area of affected soil was excavated in 2006, removing the highest concentrations of constituents. The excavation was backfilled and the area paved. The new and existing pavement and landscaping that comprises the cap services as a barrier to contact, limiting the risk of exposure.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The pavement and landscaping that comprise the cap that exists in the location shown on the attached map must 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.

If you choose to remove any portion of the cover, you will need to notify the Department of Natural Resources, in order to determine what additional cleanup actions may be needed.

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.

The current use of the property is a dry cleaner. The operations introduce tetrachloroethene into the indoor air space. Case closure is possible, based on site-specific conditions, including a non-residential exposure setting. Prior to changing the use or occupancy of this property to a residential exposure setting, the property owner will need to notify the Department of Natural Resources. Depending on exposure conditions, additional response actions may be necessary.

Summary:

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards; soil contamination attains or exceeds ch. NR 720 residual contaminant levels; and a continuing obligation is required under ch. NR 726 will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. 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.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

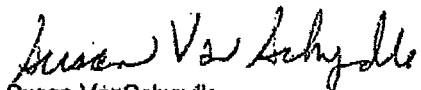
The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at:

Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, Wisconsin 54135
920-265-1670

If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Ms. Kristin DuFresne, Wisconsin Department of Natural Resources, Green Bay Remediation and Redevelopment Office, 2984 Shawano Avenue, Green Bay WI, 54313 (920-662-5443).

Sincerely,



Susan VanSchyndie
Controllers, Inc.

Attachments:

Fact Sheets

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Cap Maintenance Plan

Legal Description of 933 West Mason Street

Buc, Ed

From: trackingupdates@fedex.com
Sent: Friday, December 14, 2012 2:27 PM
To: Buc, Ed
Subject: FedEx Shipment 794295004840 Delivered

This tracking update has been requested by:

Company Name: ARCADIS
Name: Ed Buc
E-mail: Ed.Buc@Arcadis-us.com

Our records indicate that the following shipment has been delivered:

Reference: WI001126.0001.00001
Ship (P/U) date: Dec 13, 2012
Delivery date: Dec 14, 2012 2:22 PM
Sign for by: J.HILL
Delivery location: GREEN BAY, WI
Delivered to: Receptionist/Front Desk
Service type: FedEx 2Day
Packaging type: FedEx Envelope
Number of pieces: 1
Weight: 0.50 lb.
Special handling/Services: Deliver Weekday
Tracking number: [794295004840](#)

Shipper Information	Recipient Information
Ed Buc	Marty & Sharon Smits
ARCADIS	Executive Dry Cleaner
126 N. Jefferson Street	933 W. Mason Street
Suite 400	GREEN BAY
Milwaukee	WI
WI	US
US	54303
53202	

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:27 PM CST on 12/14/2012.

To learn more about FedEx Express, please visit our website at fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or visit us at fedex.com.

Jennifer Meert
705 13th Avenue
Green Bay, WI 54303

Subject:
Notification of Groundwater Contamination and Continuing Obligations, 933 West Mason Street, Green Bay, Wisconsin.
FID# 405008560, BRRTS# 02-05-286542

Dear Ms. Meert:

This letter is in regards to the investigation of a release of tetrachloroethene on 933 West Mason Street, Green Bay, Wisconsin that has shown that contamination has migrated onto your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken.

As part of the cleanup, I am proposing that portions of the remedy, consisting of use of existing pavement and landscaping as a cap, in conjunction with natural attenuation of residual constituents, and associated management of the cap and residual constituents, be used not only at 933 West Mason Street, Green Bay, but also at your property. The attached Cap Maintenance Plan outlines the continuing obligations, and the attached Figure depicts the limits of the cap area.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue
Green Bay WI, 54313

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the Cap Maintenance Plan, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Prohibited Activities: The following activities will be prohibited on any portion of the property where the cap is located, as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) disturbing the barrier by planting trees or shrubs; 3) replacement with another barrier; 4) excavating or grading of the land surface; 5) filling on covered or paved areas; 6) plowing for agricultural cultivation; 7) construction or placement of a building or other structure, or 8) changing the use or occupancy of the property to a residential setting, which may include certain uses such as single or multiple family residences, a school, day care, senior care, hospital or similar residential exposure settings.

Continuing Obligations:

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination that appears to have originated on the property located at 933 West Mason Street, Green Bay has migrated onto your property at 705 13th Avenue, Green Bay. The levels of tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure."

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the area beneath the cap depicted on the attached figure. The remaining contaminants include tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. The following steps have been taken to address any exposure to the remaining soil contamination. A hot-spot area of affected soil was excavated in 2006, removing the highest concentrations of constituents. The excavation was backfilled and the area paved. The new and existing pavement and landscaping that comprises the cap services as a barrier to contact, limiting the risk of exposure.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The pavement and landscaping that comprise the cap that exists in the location shown on the attached map must 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.

If you choose to remove any portion of the cover, you will need to notify the Department of Natural Resources, in order to determine what additional cleanup actions may be needed.

Summary:

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards; soil contamination attains or exceeds ch. NR 720 residual contaminant levels; and a continuing obligation is required under ch. NR 726 will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. 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.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

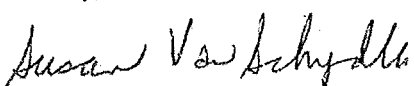
The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at:

Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, WI 54135
920-265-1670

If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Ms. Kristin DuFresne, Wisconsin Department of Natural Resources, Green Bay Remediation and Redevelopment Office, 2984 Shawano Avenue, Green Bay WI, 54313 (920-662-5443).

Sincerely,


Susan VanSchyndle
Controllers, Inc.

Attachments:

Fact Sheets

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Cap Maintenance Plan

Legal Description of 705 13th Avenue

1925853

STATE BAR OF WISCONSIN FORM 1 - 1998
WARRANTY DEED

Document Number

BROWN COUNTY
REGISTER OF DEEDS
CATHY WILLIQUETTE

2002 SEP -3 P 2:46

This Deed, made between **JANIS L. NICHOLS, a single person**

Grantor, and **JENNIFER L. WILLEMS, a single person**

Grantee.

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate in **Brown** County, State of Wisconsin (The "Property"):

Lot 7, Block 66, C.L.A. Tank's Fifth Addition to Fort Howard, City of Green Bay, West side of Fox River, Brown County, Wisconsin.

Recording Area
Name and Return Address
GB23640

1180

GB TITLE

TRANSFER
\$ 225⁰⁰
FEE

2-527
Parcel Identification Number (PIN)
This is homestead property.
(is) ~~(is not)~~

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except any easements, restrictions, and reservations of record, municipal and zoning ordinances and will warrant and defend same.

Dated this 22nd day of AUGUST, 2002.

Janis L. Nichols
* **Janis L. Nichols**

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____

ACKNOWLEDGMENT

STATE OF WISCONSIN)

Brown County,) ss.

Personally came before me this 22nd day of AUGUST, 2002 the above named **Janis L. Nichols, a single person**

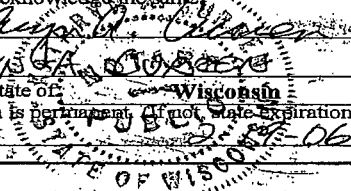
*
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Cecile M. Faller
126 S. Washington Street, Green Bay, WI 54301

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

to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

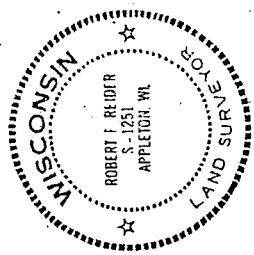
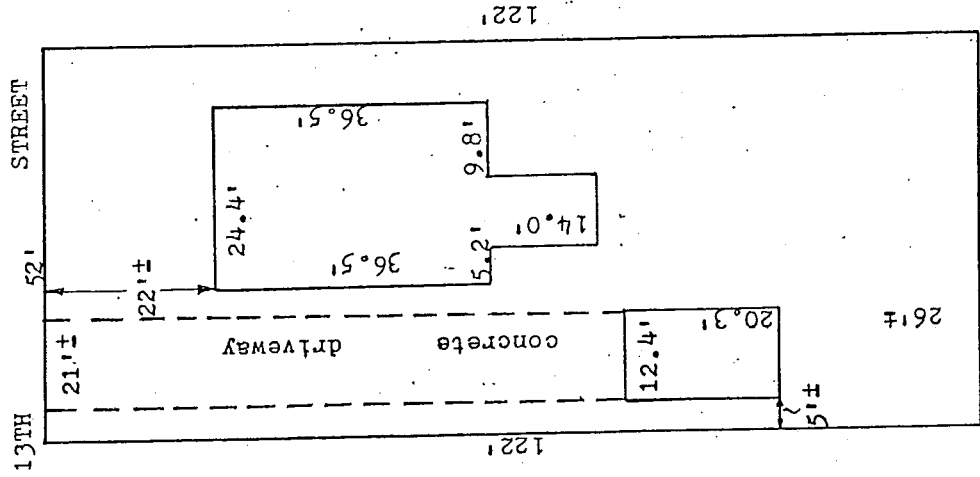
Kathryn A. Stojanovic
* **KATHRYN A. STOJANOVIC**
Notary Public, State of Wisconsin
My Commission is permanent. If not, state expiration date: _____



*Names of persons signing in any capacity should be typed or printed below their signatures

NO BUILDING ENCROACHMENTS PRESENT.
1-STORY HOUSE

C.L.A. TANK'S FIFTH ADDITION, CITY OF GREEN BAY,
BROWN COUNTY, WISCONSIN.



Robert F. Reider

I, ROBERT F. REIDER certify that this mortgage inspection was made by me or under my direction and control of the described property on, DECEMBER 14, 1984, according to the official records and that this drawing is a true representation of the principal building lines thereon and is accurate to the best of my knowledge and belief. IDL MORTGAGE CORP., in agreement with Carow Land Surveying Co., Inc. has waived parts of Administrative Code A-E 5.01 (3 through 7). THIS IS NOT A BOUNDARY SURVEY NOR INTENDED TO BE. THIS MORTGAGE INSPECTION IS MADE FOR THE EXCLUSIVE USE OF: IDL Mortgage Corp.

REVISIONS	IDL MORTGAGE CORP.	
	P.O. BOX 10236, GREEN BAY, WIS. 54307-0236	
	CAROW LAND SURVEYING CO., INC., P.O. BOX 1297 1837 W. WISCONSIN AVE. - APPLETON, WI 54912	
	DRAWN BY MIV-ec KJV	SCALE 1" = 20'
	APPRO	DATE 12-18-84
		DRAWING NO. 8412.91

403
abc

LL641

14977

Buc, Ed

From: trackingupdates@fedex.com
Sent: Friday, December 14, 2012 2:59 PM
To: Buc, Ed
Subject: FedEx Shipment 794295198835 Delivered

This tracking update has been requested by:

Company Name: ARCADIS
Name: Ed Buc
E-mail: Ed.Buc@Arcadis-us.com

Our records indicate that the following shipment has been delivered:

Reference: WI001126.0001.00001
Ship (P/U) date: Dec 13, 2012
Delivery date: Dec 14, 2012 2:54 PM
Sign for by: Signature not required
Delivery location: GREEN BAY, WI
Delivered to: Residence
Service type: FedEx 2Day
Packaging type: FedEx Envelope
Number of pieces: 1
Weight: 0.50 lb.
Special handling/Services: Deliver Weekday
Residential Delivery
Tracking number: [794295198835](https://www.fedex.com/track/794295198835)

Shipper Information	Recipient Information
Ed Buc	Jennifer Meert
ARCADIS	705 13th Avenue
126 N. Jefferson Street	GREEN BAY
Suite 400	WI
Milwaukee	US
WI	54303
US	
53202	

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:58 PM CST on 12/14/2012.

To learn more about FedEx Express, please visit our website at [fedex.com](https://www.fedex.com).

All weights are estimated.

Owner
706 12th Avenue
Green Bay, WI 54303

Subject:
Notification of Groundwater Contamination and Continuing Obligations, 933 West Mason Street, Green Bay, Wisconsin.
FID# 405008560, BRRTS# 02-05-286542

Dear Sir or Madam:

This letter is in regards to the investigation of a release of tetrachloroethene on 933 West Mason Street, Green Bay, Wisconsin that has shown that contamination has migrated onto your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken.

As part of the cleanup, I am proposing that portions of the remedy, consisting of use of existing pavement and landscaping as a cap, in conjunction with natural attenuation of residual constituents, and associated management of the cap and residual constituents, be used not only at 933 West Mason Street, Green Bay, but also at your property. The attached Cap Maintenance Plan outlines the continuing obligations, and the attached Figure depicts the limits of the cap area.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue
Green Bay WI, 54313

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the Cap Maintenance Plan, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Prohibited Activities: The following activities will be prohibited on any portion of the property where the cap is located, as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) disturbing the barrier by planting trees or shrubs; 3) replacement with another barrier; 4) excavating or grading of the land surface; 5) filling on covered or paved areas; 6) plowing for agricultural cultivation; 7) construction or placement of a building or other structure, or 8) changing the use or occupancy of the property to a residential setting, which may include certain uses such as single or multiple family residences, a school, day care, senior care, hospital or similar residential exposure settings.

Continuing Obligations:

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination that appears to have originated on the property located at 933 West Mason Street, Green Bay has migrated onto your property at 706 12th Avenue, Green Bay. The levels of tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure."

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the area beneath the cap depicted on the attached figure. The remaining contaminants include tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. The following steps have been taken to address any exposure to the remaining soil contamination. A hot-spot area of affected soil was excavated in 2006, removing the highest concentrations of constituents. The excavation was backfilled and the area paved. The new and existing pavement and landscaping that comprises the cap services as a barrier to contact, limiting the risk of exposure.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The pavement and landscaping that comprise the cap that exists in the location shown on the attached map must 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.

If you choose to remove any portion of the cover, you will need to notify the Department of Natural Resources, in order to determine what additional cleanup actions may be needed.

Summary:

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards; soil contamination attains or exceeds ch. NR 720 residual contaminant levels; and a continuing obligation is required under ch. NR 726 will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. 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.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

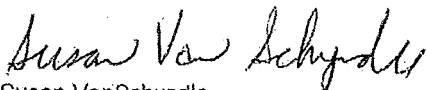
The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at:

Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, WI 54135
920-265-1670

If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Ms. Kristin DuFresné, Wisconsin Department of Natural Resources, Green Bay Remediation and Redevelopment Office, 2984 Shawano Avenue, Green Bay WI, 54313 (920-662-5443).

Sincerely,



Susan VanSchyndle
Controllers, Inc.

Attachments:

Fact Sheets

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Cap Maintenance Plan

Legal Description of 706 12th Avenue

2442716

WARRANTY DEED

CATHY WILLIQUETTE
BROWN COUNTY RECORDER
GREEN BAY, WI

RECORDED ON
10/06/2009 02:33:49PM

REC FEE: 11.00
TRANS FEE: 162.00
EXEMPT #
PAGES: 1

Document

Joseph D. Delcorps

conveys and warrants to

KD Rental Homes, LLC

The following described real estate in Brown County, State of Wisconsin

Lot Four (4), Block Sixty-six (66), according to the recorded Plat of Mrs. C.L.A. Tank's Fifth Addition, in the City of Green Bay, West side of Fox River, County of Brown, State of Wisconsin.



WHZ
ON RECORD
D# 2442717

2-524
(Parcel Identification Number)

This... is not homestead property. Dated this 2 day of October, 2009
(is) or (is not)

Exceptions to warranties:

municipal and zoning ordinances, recorded building and use restrictions, easements and covenants of record, general taxes for and after the year of closing, and liens or encumbrances created by Grantee.

* Joseph D. Delcorps

AUTHENTICATION

Signature(s).....
authenticated this.....day of....., 20.....
signature.....
type or print name.....

TITLE: MEMBER STATE BAR OF WISCONSIN

(if not, authorized by SS 706.06, Wis. Statutes)

*Names of persons signing in any capacity should be typed or printed below their signatures.

This instrument was drafted by (type or print name).
Attorney James P. O'Neil
Green Bay, Wisconsin

ACKNOWLEDGMENT

STATE OF WISCONSIN
Brown County. Personally came
before me this 2 day of October, 2009 the above named

Joseph D. Delcorps

to me known to be the person..... who executed the foregoing instrument and acknowledges the same

signature.....
type or print name.....

Notary Public..... County, Wis.
My Commission is permanent. (If not, state expiration)

date..... 1-17, 2010.....

Teresa Bortolini
Notary Public
State of Wisconsin

Plat No. 1526
39-25

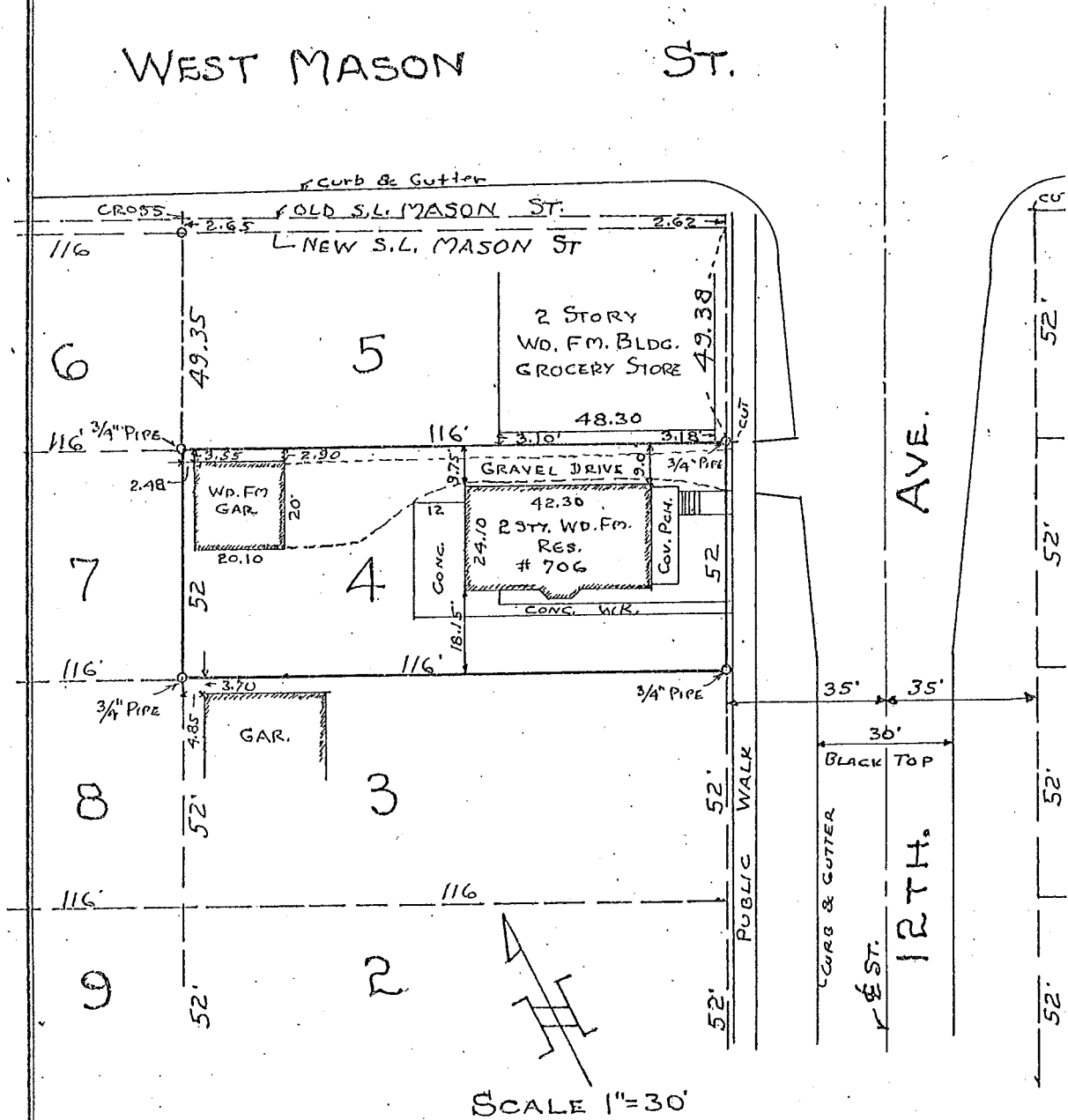
ROBERT D. HALL
LAND SURVEYOR
GREEN BAY, WISCONSIN

Phone EDison 6-1110

PLAT OF SURVEY

Description of lot or parcel of land LOT 4, BLOCK 66, C.L.A. TANK'S 5TH. ADDITION, CITY OF GREEN BAY, BROWN COUNTY, WIS.
Name and address of owner ISADORE J. JOSKI, ETUX, 1163 E. MASON ST., GREEN BAY, WIS.
Address of premises surveyed 706-12TH AVE., GREEN BAY, WIS.

WEST MASON ST.



State of Wisconsin }
County of Brown }

I, ROBERT D. HALL, hereby certify that I have made the above survey on the 12TH day of APRIL 1963, and that the survey of the lot and the information relative to all existing buildings on such lot, all as shown on said survey, is complete and correct, and I further certify that ISADORE J. JOSKI AND PATRICIA A. JOSKI, HIS WIFE, ARE the owners of record of the premises as described and shown above, and that I have procured the official description of the aforesaid premises from the official records now in possession of the said owner of record.

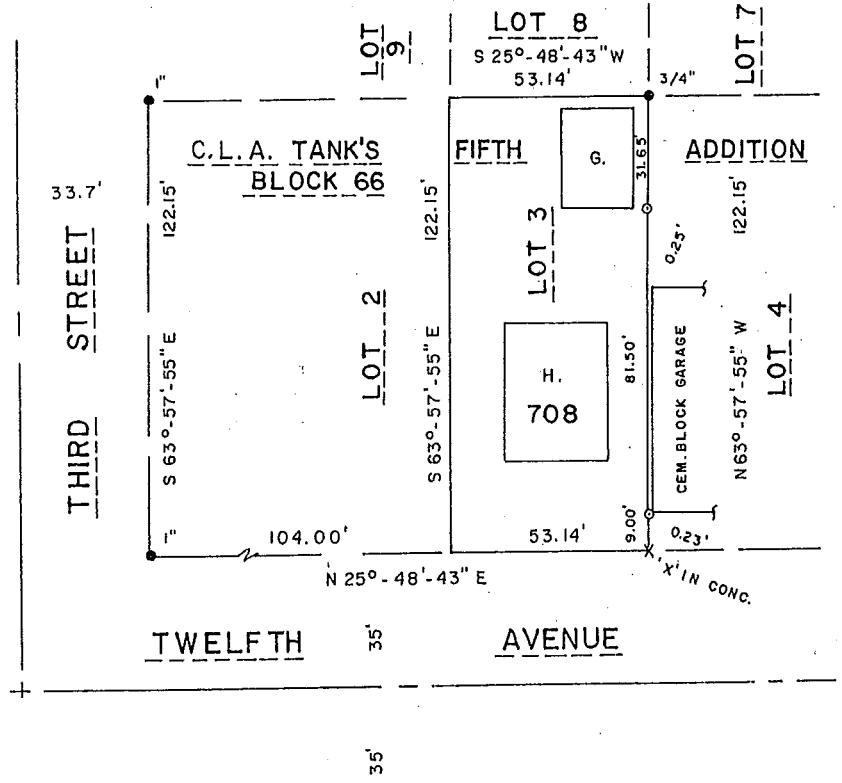
SIGNED Robert D. Hall
LAND SURVEYOR



Stock No. 26273

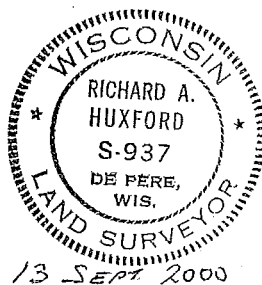
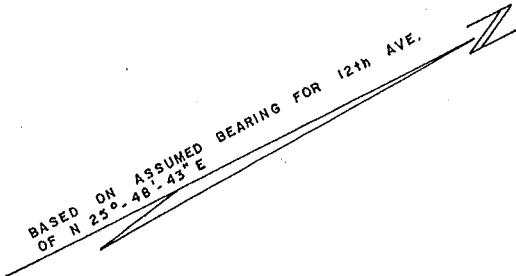
PLAT OF SURVEY

North line of Lot 3, Block 66 of C.L.A. Tank's 5th Addition,
City of Green Bay, Brown County, Wisconsin



SCALE: 1" = 40'

Survey for: Sally Tieg



State of Wisconsin)
Brown county)SS

I, Richard A. Huxford, Land Surveyor, do hereby certify that the hereon shown property was surveyed and mapped in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Richard A. Huxford
Richard A. Huxford, LS-937

Buc, Ed

From: trackingupdates@fedex.com
Sent: Friday, December 14, 2012 3:02 PM
To: Buc, Ed
Subject: FedEx Shipment 794295264678 Delivered

This tracking update has been requested by:

Company Name: ARCADIS
Name: Ed Buc
E-mail: Ed.Buc@Arcadis-us.com

Our records indicate that the following shipment has been delivered:

Reference: WI001126.0001.00001
Ship (P/U) date: Dec 13, 2012
Delivery date: Dec 14, 2012 2:56 PM
Sign for by: Signature not required
Delivery location: GREEN BAY, WI
Delivered to: Residence
Service type: FedEx 2Day
Packaging type: FedEx Envelope
Number of pieces: 1
Weight: 0.50 lb.
Special handling/Services: Deliver Weekday
Residential Delivery
Tracking number: [794295264678](#)

Shipper Information
Ed Buc
ARCADIS
126 N. Jefferson Street
Suite 400
Milwaukee
WI
US
53202

Recipient Information
Owner
706 12th Avenue
GREEN BAY
WI
US
54303

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 3:02 PM CST on 12/14/2012.

To learn more about FedEx Express, please visit our website at fedex.com.

All weights are estimated.

Mr. Ray White
Deli-More Sub & Pizza Shop
923 West Mason Street
Green Bay, WI 54303

Subject:
Notification of Groundwater Contamination and Continuing Obligations, 933 West Mason Street, Green Bay, Wisconsin.
FID# 405008560, BRRTS# 02-05-286542

Dear Mr. White:

This letter is in regards to the investigation of a release of tetrachloroethene on 933 West Mason Street, Green Bay, Wisconsin that has shown that contamination has migrated onto your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken.

As part of the cleanup, I am proposing that portions of the remedy, consisting of use of existing pavement and landscaping as a cap, in conjunction with natural attenuation of residual constituents, and associated management of the cap and residual constituents, be used not only at 933 West Mason Street, Green Bay, but also at your property. The attached Cap Maintenance Plan outlines the continuing obligations, and the attached Figure depicts the limits of the cap area.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue
Green Bay WI, 54313

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the Cap Maintenance Plan, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Prohibited Activities: The following activities will be prohibited on any portion of the property where the cap is located, as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) disturbing the barrier by planting trees or shrubs; 3) replacement with another barrier; 4) excavating or grading of the land surface; 5) filling on covered or paved areas; 6) plowing for agricultural cultivation; 7) construction or placement of a building or other structure, or 8) changing the use or occupancy of the property to a residential setting, which may include certain uses such as single or multiple family residences, a school, day care, senior care, hospital or similar residential exposure settings.

Continuing Obligations:

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination that appears to have originated on the property located at 933 West Mason Street, Green Bay has migrated onto your property at 923 West Mason Street, Green Bay. The levels of tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure."

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the area beneath the cap depicted on the attached figure. The remaining contaminants include tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. The following steps have been taken to address any exposure to the remaining soil contamination. A hot-spot area of affected soil was excavated in 2006, removing the highest concentrations of constituents. The excavation was backfilled and the area paved. The new and existing pavement and landscaping that comprises the cap services as a barrier to contact, limiting the risk of exposure.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The pavement and landscaping that comprise the cap that exists in the location shown on the attached map must 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.

If you choose to remove any portion of the cover, you will need to notify the Department of Natural Resources, in order to determine what additional cleanup actions may be needed.

Summary:

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards; soil contamination attains or exceeds ch. NR 720 residual contaminant levels; and a continuing obligation is required under ch. NR 726 will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. 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.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

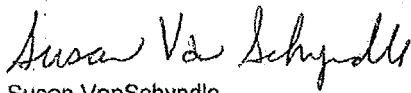
The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at:

Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, WI 54135
920-265-1670

If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Ms. Kristin DuFresne, Wisconsin Department of Natural Resources, Green Bay Remediation and Redevelopment Office, 2984 Shawano Avenue, Green Bay WI, 54313 (920-662-5443).

Sincerely,



Susan VanSchyndle
Controllers, Inc.

Attachments:

Fact Sheets

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural

Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Cap Maintenance Plan

Legal Description of 923 West Mason Street

DOCUMENT NO.
1044028

STATE BAR OF WISCONSIN FORM 5 - 1982
PERSONAL REPRESENTATIVE'S DEED
J 8799 1 15

THIS SPACE RESERVED FOR RECORDING DATA

**REGISTER OF DEEDS
BROWN COUNTY**

MAR - 8 1985

AT 3:55 O'CLOCK P M.

Cathy Willig REGISTER OF DEEDS

400

RETURN TO
Firststar Bank De Pere
P. O. Box 3039
De Pere, WI 54115

JERRY ERDMANN
....., as Personal Representative of the estate of
ELMER ERDMANN
..... ("Decedent"),
for a valuable consideration conveys, without warranty, to
RAYMOND L. WHITE, a single person,
..... Grantee,
the following described real estate in Brown County,
State of Wisconsin (hereinafter called the "Property"):

Tax Parcel No:

Lot 5, Block 66, C.L.A. Tank's Fifth Addition, according to the recorded Plat thereof, excepting the North 2.75 feet thereof, in the City of Green Bay, Brown County, Wisconsin.

TRANSFER
* 13350
FEE

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

Dated this 6 day of March, 1985.

..... (SEAL)
.....
Personal Representative

Jerry Erdmann (SEAL)
.....
Personal Representative

AUTHENTICATION

Signature(s)
.....
authenticated this day of, 19.....

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not,
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney Cecile M. Faller

414 E. Walnut St. Green Bay, WI 54301

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

..... } ss.
..... Brown County.

Personally came before me this 6 day of March, 1985, the above named JERRY ERDMANN, AS PERSONAL REPRESENTATIVE OF THE ESTATE OF ELMER ERDMANN, DECEASED

to me known to be the person who executed the foregoing instrument and acknowledge the same.

Russell V. Roland
.....
Notary Public Brown County, Wis.

My Commission is permanent. (If not, state expiration date: 12/20, 1987.)

Plat No. 1526
39-25

ROBERT D. HALL
LAND SURVEYOR
GREEN BAY, WISCONSIN

Phone EDison 6-1110

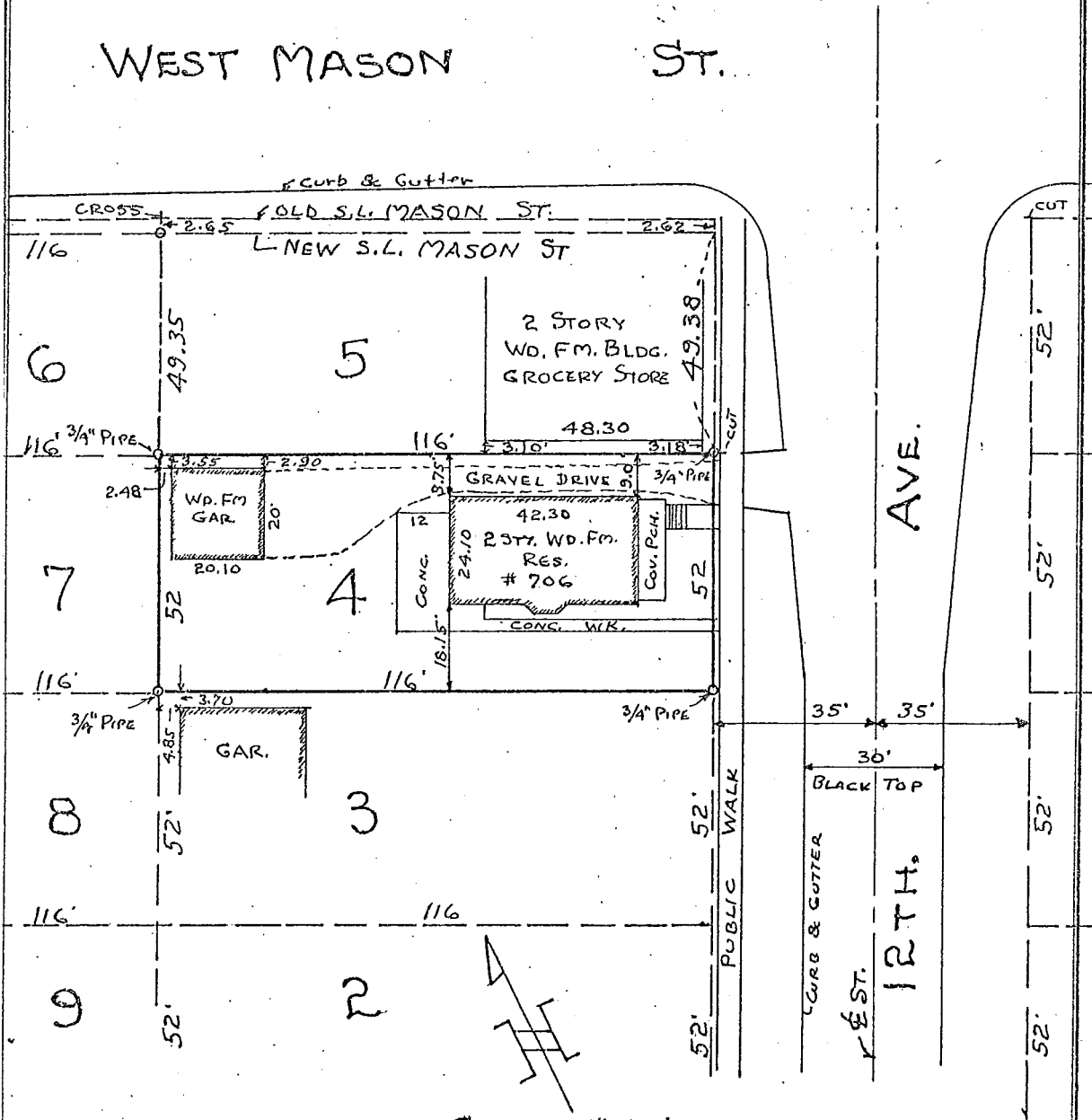
PLAT OF SURVEY

Description of lot or parcel of land LOT 4, BLOCK 66, C.L.A. TANK'S 5TH. ADDITION, CITY OF GREEN BAY, BROWN COUNTY, WIS.

Name and address of owner ISADORE J. JOSKI, ETUX, 1163 E. MASON ST., GREEN BAY, WIS.

Address of premises surveyed 706-12TH. AVE., GREEN BAY, WIS.

WEST MASON ST.



SCALE 1"=30'

State of Wisconsin }
County of Brown }

I, ROBERT D. HALL, hereby certify that I have made the above survey on the 12TH. day of APRIL 1963, and that the survey of the lot and the information relative to all existing buildings on such lot, all as shown on said survey, is complete and correct, and I further certify that ISADORE J. JOSKI AND PATRICIA A. JOSKI, HIS WIFE, ARE the owners of record of the premises as described and shown above, and that I have procured the official description of the aforesaid premises from the official records now in possession of the said owners of record.

SIGNED Robert D. Hall
LAND SURVEYOR

Buc, Ed

From: trackingupdates@fedex.com
Sent: Friday, December 14, 2012 2:29 PM
To: Buc, Ed
Subject: FedEx Shipment 794295117577 Delivered

This tracking update has been requested by:

Company Name: ARCADIS
Name: Ed Buc
E-mail: Ed.Buc@Arcadis-us.com

Our records indicate that the following shipment has been delivered:

Reference: WI001126.0001.00001
Ship (P/U) date: Dec 13, 2012
Delivery date: Dec 14, 2012 2:24 PM
Sign for by: B.ARCAND
Delivery location: GREEN BAY, WI
Delivered to: Receptionist/Front Desk
Service type: FedEx 2Day
Packaging type: FedEx Envelope
Number of pieces: 1
Weight: 0.50 lb.
Special handling/Services: Deliver Weekday
Tracking number: [794295117577](https://www.fedex.com/track/794295117577)

Shipper Information	Recipient Information
Ed Buc	Ray White
ARCADIS	Deli-More
126 N. Jefferson Street	923 W Mason Street
Suite 400	GREEN BAY
Milwaukee	WI
WI	US
US	54303
53202	

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:28 PM CST on 12/14/2012.

To learn more about FedEx Express, please visit our website at [fedex.com](https://www.fedex.com).

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or visit us at [fedex.com](https://www.fedex.com).

Ed Weisner
Director of Public Works
Green Bay City Hall
100 North Jefferson Street
Green Bay, WI 54301

Subject:
Notification of Groundwater Contamination and Continuing Obligations, 933 West Mason Street, Green Bay, Wisconsin.
FID# 405008560, BRRTS# 02-05-286542

Dear Mr. Weisner:

This letter is in regards to the investigation of a release of tetrachloroethene on 933 West Mason Street, Green Bay, Wisconsin that has shown that contamination has migrated onto your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken.

As part of the cleanup, I am proposing that portions of the remedy, consisting of use of existing pavement and landscaping as a cap, in conjunction with natural attenuation of residual constituents, and associated management of the cap and residual constituents, be used not only at 933 West Mason Street, Green Bay, but also at your property. The attached Cap Maintenance Plan outlines the continuing obligations, and the attached Figure depicts the limits of the cap area.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Ms. Kristin DuFresne
Wisconsin Department of Natural Resources
Green Bay Remediation and Redevelopment Office
2984 Shawano Avenue
Green Bay WI, 54313

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect:

Right-of-Way, Mason Street, north of 933 West Mason Street, Green Bay

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the Cap Maintenance Plan, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing

obligation, by supplying them with a copy of this letter." The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Prohibited Activities: The following activities will be prohibited on any portion of the property where the cap is located, as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) disturbing the barrier by planting trees or shrubs; 3) replacement with another barrier; 4) excavating or grading of the land surface; 5) filling on covered or paved areas; 6) plowing for agricultural cultivation; 7) construction or placement of a building or other structure, or 8) changing the use or occupancy of the property to a residential setting, which may include certain uses such as single or multiple family residences, a school, day care, senior care, hospital or similar residential exposure settings.

Continuing Obligations:

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination that appears to have originated on the property located at 933 West Mason Street, Green Bay has migrated onto your property, the right-of-way of Mason Street located north of 933 West Mason Street, Green Bay. The levels of tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure."

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at the area beneath the cap depicted on the attached figure. The remaining contaminants include tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene. The following steps have been taken to address any exposure to the remaining soil contamination. A hot-spot area of affected soil was excavated in 2006, removing the highest concentrations of constituents. The excavation was backfilled and the area paved. The new and existing pavement and landscaping that comprises the cap services as a barrier to contact, limiting the risk of exposure.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The pavement and landscaping that comprise the cap that exists in the location shown on the attached map must 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.

If you choose to remove any portion of the cover, you will need to notify the Department of Natural Resources, in order to determine what additional cleanup actions may be needed.

Summary:

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards; soil contamination attains or exceeds ch. NR 720 residual contaminant levels; and a continuing obligation is required under ch. NR 726 will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. 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.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

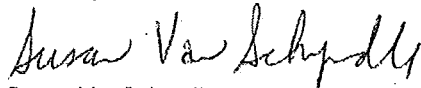
The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at:

Controllers, Inc.
N1630 Spirit Ridge Road
Keshena, WI 54135
920-265-1670

If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Ms. Kristin DuFresne, Wisconsin Department of Natural Resources, Green Bay Remediation and Redevelopment Office, 2984 Shawano Avenue, Green Bay WI, 54313 (920-662-5443).

Sincerely,



Susan VanSchyndle
Controllers, Inc.

Attachments:

Fact Sheets

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Cap Maintenance Plan

Buc, Ed

From: trackingupdates@fedex.com
Sent: Friday, December 14, 2012 1:27 PM
To: Buc, Ed
Subject: FedEx Shipment 794295051146 Delivered

This tracking update has been requested by:

Company Name: ARCADIS
 Name: Ed Buc
 E-mail: Ed.Buc@Arcadis-us.com

Our records indicate that the following shipment has been delivered:

Reference: WI001126.0001.00001
 Ship (P/U) date: Dec 13, 2012
 Delivery date: Dec 14, 2012 1:21 PM
 Sign for by: M.STACIE
 Delivery location: GREEN BAY, WI
 Delivered to: Receptionist/Front Desk
 Service type: FedEx 2Day
 Packaging type: FedEx Envelope
 Number of pieces: 1
 Weight: 0.50 lb.
 Special handling/Services: Deliver Weekday
 Tracking number: [794295051146](#)

Shipper Information	Recipient Information
Ed Buc	Ed Weisner
ARCADIS	Director of Public Works
126 N. Jefferson Street	100 N. Jefferson Street
Suite 400	GREEN BAY
Milwaukee	WI
WI	US
US	54301
53202	

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