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

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

Source Property Information

CLOSURE DATE: 07/01/2014

BRRTS #: 02-68-539238

FID #: 268147990

ACTIVITY NAME: One Hour Martinizing

DATCP #:

PROPERTY ADDRESS: 12527 W Hampton Ave

PECFA#:

MUNICIPALITY: Butler

PARCEL ID #: BV 1009022

***WTM COORDINATES:**

X: 677189 Y: 294227

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

WTM COORDINATES REPRESENT:

- (•) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

CAP Requirement for Off-Source Property

Contaminated Media for Residual Contamination:

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

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

- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [x] Contamination in ROW
  - [ ] Off-Source Contamination

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

Site Specific Obligations:

- [ ] Soil: maintain industrial zoning *(220)*

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

- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [x] Cover or Barrier *(222)*
  - [ ] Direct Contact
  - [x] Soil to GW Pathway
- [x] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

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

Monitoring Wells:

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

(•) Yes ( ) No ( ) N/A

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

State of Wisconsin Department of Natural Resources http://dnr.wi.gov	**GIS Registry Checklist** Form 4400-245 (R 3/10) Page 1 of 3

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

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

BRRTS #: 02-68-539238 PARCEL ID #: BV 1009022

ACTIVITY NAME: One Hour Martinizing WTM COORDINATES: X: 677192 Y: 294217

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 #: **Title:**

☒ **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, 3 **Title:** Site Layout Ground Floor View, Site Layout Basement View

☒ **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 #: 4 **Title:** CVOC Detections in Soil

BRRTS #: 02-68-539238 ACTIVITY NAME: One Hour Martinizing

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 #: 7 **Title:** North/South Geologic 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 #: 5 **Title:** Summary of Monitoring Well Groundwater Exceedances of WDNR Standards

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

Figure #: 7 **Title:** Potentiometric Surface Map, February 8, 2012

Figure #: **Title:**

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

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

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

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

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

Table #: 2 **Title:** Summary of Groundwater Analytical Results and Comparison to WDNR Standards

☒ **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 #:** 1 **Title:** Summary of Well Construction and 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).

* Table 3 - Summary of Sub slab Soil Gas Analytical Results and Comparison to Subslab Soil Gas Screening Levels, One Hour Martinizing, Butler, Wisconsin

BRRTS #: 02-68-539238 ACTIVITY NAME: One Hour Martinizing

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: 1

☒ **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

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

Impacted Property Notification Information

Form 4400-246 (R 10/12)

Notice: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, where specific circumstances exist at the time of case closure. This form applies to situations where: (1) the party conducting the cleanup does not own the source property; (2) contamination has impacted a neighboring property to a certain degree; and (3) not all monitoring wells can/will be abandoned at the time of closure. A letter notifying these property owners is required of the responsible party if certain circumstances exist. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) specifies those notification requirements. A model "Template for Notification of Residual Contamination and Continuing Obligations" (PUB-RR-919) can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS No.	Activity Name
02-68-539238	ONE HOUR MARTINIZING

						Letter Sent To:			Reasons Letter Sent:								
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
A	12523 W Hampton Ave	BV 1009021	12/17/2012	677201	294224			X			X			X		
B	126th St & Hampton Ave	NA	06/24/2008				X		X	X						

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

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

July 1, 2014

Mr. Thomas Grimm
W204 N9126 Lannon Road
Menomonee Falls, WI 53051

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
One Hour Martinizing, 12527 W. Hampton Ave., Butler, WI
DNR BRRTS Activity #: 02-68-539238 FID#268147990

Dear Mr. Grimm:

The Department of Natural Resources (DNR) considers the One Hour Martinizing (OHM) case 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 DNR Southeast Region Project Manager reviewed the request for closure for this environmental remediation case for compliance with state laws and standards to maintain consistency in the closure of these cases.

Soil and groundwater contamination associated with former dry cleaning activities is present on this property. Chlorinated volatile organic compounds (CVOCs) are present in soil, groundwater and vapor beneath the building foundation at 12527 W. Hampton Ave. A sub-slab depressurization system was installed below the basement portion of that building to mitigate the potential for vapor intrusion into the Subject property building and the building at the adjacent property at 12523 W. Hampton Ave. The building foundations at the Subject property and the 12523 W. Hampton Ave. property provide a barrier to vapor intrusion. The conditions of closure and continuing obligations required were based on the property being used for commercial (non-residential) purposes.

Continuing Obligations
The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- An engineered cover consisting of concrete floor and sidewalk must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
- A vapor mitigation system must be operated and maintained, and inspections must be documented.

- Site-specific vapor exposure assumptions were used; based on non-residential use. Current land or property use must be maintained to be protective. If changes to the current property use or land use are planned, an assessment must be made of whether the closure is still protective.

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 Southeast Regional DNR Waukesha Service Center, at 141 NW Barstow, Room 180, Waukesha, WI 53188. 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 or a vapor mitigation system is required, as shown on the **attached map** Figure 3, Site Layout, 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.
- changing the construction of a building that has a vapor mitigation system in place.

Closure Conditions

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

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

Wisconsin Department of Natural Resources
Attn: Remediation and Redevelopment Program Environmental Program Associate
2300 N. Dr. Martin Luther King, Jr. Dr.
Milwaukee, WI 53212 -3128

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)
Groundwater contamination greater than enforcement standards is present on this contaminated property and off this contaminated property in the West Hampton Avenue Right-of-Way, as shown on the **attached map,** Figure 2 Summary of Monitoring Well Groundwater Exceedances of WDNR Standards. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval. Affected 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 below the sidewalk and basement floor as indicated on the **attached map,** Figure 1, CVOC Detections in Soils. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

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

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 (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)
The pavement and building floor that exists in the locations shown on the **attached map,** Figure 3, Site Layout, shall be maintained in compliance with the **attached maintenance plan,** Engineered Barrier and Sub-Slab Depressurization Maintenance Plan, in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code. The building slab/foundation also serves as a vapor barrier and must be maintained to prevent or limit vapor intrusion into the building.

The **attached maintenance plan,** Engineered Barrier and Sub-Slab Depressurization Maintenance Plan**, and inspection log,** Cap Maintenance Inspection Report and Form 4400-305**,** is to be kept up-to-date and on-site. Inspections shall be conducted annually, in accordance with the maintenance plan and recorded on the inspection log. **The inspection logs must be submitted annually to the DNR beginning one year after the date of this letter.** Submit the inspection log Form 4400-305 electronically, with a copy of the inspection report attached, to the project manager who can be identified from the BRRTS database at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do by searching the site using the BRRTS ID number and then looking in the "who" section.

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.

12523 W. Hampton Ave. The continuing obligation to maintain the building slab as a vapor barrier also applies to the property located at 12523 W. Hampton Ave. The existing concrete building floor slab at 12523 W. Hampton Ave. must be maintained in compliance with the **attached maintenance plan,** Cap Maintenance Plan, December 17, 2012**,** in order to prevent or limit vapor intrusion into the building at 12523 W. Hampton. Inspection and maintenance of the floor in compliance with the maintenance plan is the responsibility of the property owner. Inspections shall be documented on Form 4400-305 which can be downloaded from http://dnr.wi.gov/topic/Brownfields/Pubs.html.

The maintenance plan and inspection log for the off-site property must be kept up-to-date and on-site and made available for submittal or inspection by WDNR representatives upon request.

Vapor Mitigation or Evaluation (s. 292.12 (2), Wis. Stats., s. NR 726.15, s. NR 727.07, Wis. Adm. Code)
Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Vapor Mitigation System: Soil vapor beneath the building contains chlorinated volatile organic compounds at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building on the property. The vapor mitigation system, installed in May 2010, must be operated, maintained and inspected in accordance with the **attached maintenance plan**, Engineered Barrier and Sub-Slab Depressurization Maintenance Plan and Form 4400-305. System components must be repaired or replaced immediately upon discovery of a malfunction. Inspections and any system repairs must be documented in the inspection log, Sub-Slab Depressurization Systems – Annual O&M Inspection Form and Form 4400-305. The inspection logs shall be kept up-to-date and on-site. Manometer readings must be taken quarterly with a full system inspection conducted annually in accordance with the maintenance plan. **Submit the inspection logs to the DNR annually, starting one year after the date of this letter.** Submit the inspection log Form 4400-305 electronically, with a copy of the Annual O&M Form attached, to the site project manager identified on BRRTS on the Web as described above.

Commercial/Industrial Use
Soil vapor beneath the building is present at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building. Case closure is based on the site-specific exposure assumptions for non-residential occupancy. Therefore, use of this property is restricted to non-residential use (commercial use). If changes in property or land use are planned, the property owner must notify the DNR at least 45 days before changing the use, and assess whether the closure is still protective. Additional response actions may be necessary.

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.

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 Nancy Ryan at (414) 263-8533, or at nancy.ryan@wisconsin.gov.

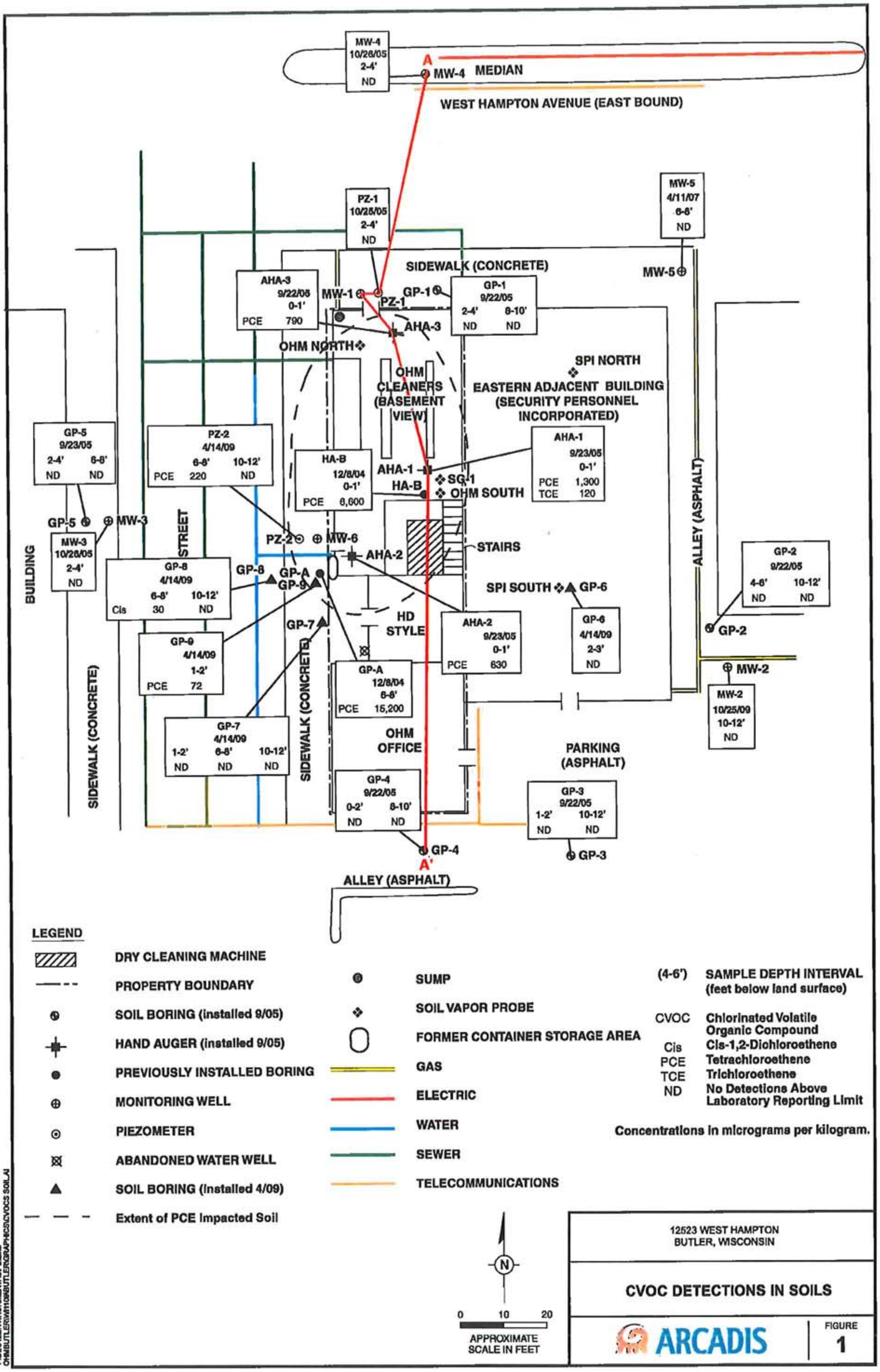
Sincerely,

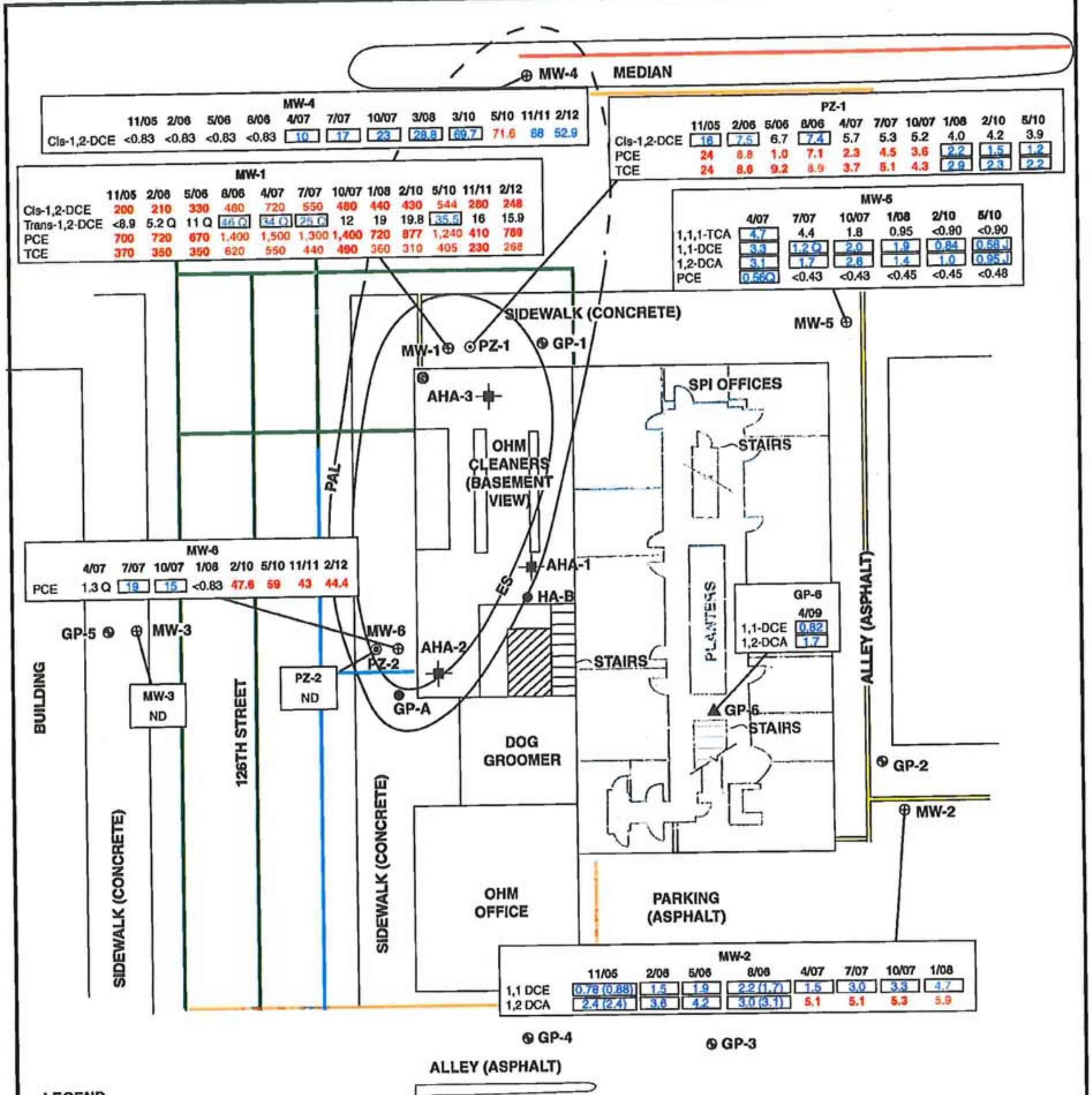
Pamela A. Mylotta, Team Supervisor
Southeast Region Remediation & Redevelopment Program

Attachments:

- Figure 2, Summary of Monitoring Well Groundwater Exceedances of WDNR Standards
- Figure 1, CVOC Detections in Soils
- Figure 3, Site Layout
- Engineered Barrier and Sub-Slab Depressurization Maintenance Plan
- Cap Maintenance Plan, December 17, 2012
- Form 4400-305

Cc: SER RR case file
Ed Buc, Arcadis – electronic copy only
Ms. Nancy Hyndman, Hyndman Enterprises, LLC


MW-4
10/26/05
2-4'
ND
A
MW-4 MEDIAN
WEST HAMPTON AVENUE (EAST BOUND)
PZ-1
10/26/05
2-4'
ND
MW-5
4/11/07
6-8'
ND
MW-5
SIDEWALK (CONCRETE)
AHA-3
9/22/05
0-1'
PCE 790
MW-1
PZ-1
GP-1
GP-1
9/22/05
2-4' 8-10'
ND ND
AHA-3
OHM NORTH
OHM CLEANERS (BASEMENT VIEW)
SPI NORTH
EASTERN ADJACENT BUILDING (SECURITY PERSONNEL INCORPORATED)
GP-5
9/23/05
2-4' 6-8'
ND ND
PZ-2
4/14/09
6-8' 10-12'
PCE 220 ND
HA-B
12/8/04
0-1'
PCE 6,600
AHA-1
HA-B
SG-1
OHM SOUTH
AHA-1
9/23/05
0-1'
PCE 1,300
TCE 120
ALLEY (ASPHALT)
GP-5
MW-3
MW-3
10/26/05
2-4'
ND
STREET
PZ-2
MW-6
AHA-2
STAIRS
BUILDING
GP-8
4/14/09
6-8' 10-12'
Cis 30 ND
GP-8
GP-A
GP-9
SPI SOUTH
GP-6
GP-2
9/22/05
4-6' 10-12'
ND ND
GP-7
HD STYLE
AHA-2
9/23/05
0-1'
PCE 630
GP-6
4/14/09
2-3'
ND
GP-2
GP-9
4/14/09
1-2'
PCE 72
GP-A
12/8/04
6-8'
PCE 15,200
MW-2
MW-2
10/25/09
10-12'
ND
SIDEWALK (CONCRETE)
SIDEWALK (CONCRETE)
GP-7
4/14/09
1-2' 6-8' 10-12'
ND ND ND
OHM OFFICE
PARKING (ASPHALT)
GP-4
9/22/05
0-2' 8-10'
ND ND
GP-3
9/22/05
1-2' 10-12'
ND ND
GP-4
A'
GP-3
ALLEY (ASPHALT)
LEGEND
DRY CLEANING MACHINE
PROPERTY BOUNDARY
SOIL BORING (installed 9/05)
HAND AUGER (installed 9/05)
PREVIOUSLY INSTALLED BORING
MONITORING WELL
PIEZOMETER
ABANDONED WATER WELL
SOIL BORING (installed 4/09)
Extent of PCE Impacted Soil
SUMP
SOIL VAPOR PROBE
FORMER CONTAINER STORAGE AREA
GAS
ELECTRIC
WATER
SEWER
TELECOMMUNICATIONS
(4-6') SAMPLE DEPTH INTERVAL (feet below land surface)
CVOC Chlorinated Volatile Organic Compound
Cis Cis-1,2-Dichloroethene
PCE Tetrachloroethene
TCE Trichloroethene
ND No Detections Above Laboratory Reporting Limit
Concentrations in micrograms per kilogram.
N
0 10 20
APPROXIMATE SCALE IN FEET
12523 WEST HAMPTON
BUTLER, WISCONSIN
CVOC DETECTIONS IN SOILS
ARCADIS
FIGURE
1



MW-4

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	3/08	3/10	5/10	11/11	2/12
Cis-1,2-DCE	<0.83	<0.83	<0.83	<0.83	10	17	23	28.8	69.7	71.6	68	52.9

MW-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
Cis-1,2-DCE	**200**	**210**	**330**	480	720	550	**480**	**440**	**430**	544	**280**	248
Trans-1,2-DCE	<8.9	5.2 Q	11 Q	46 Q	34 Q	25 Q	12	19	19.8	35.5	16	15.9
PCE	**700**	**720**	**670**	1,400	1,500	1,300	**1,400**	**720**	**877**	1,240	**410**	789
TCE	**370**	**350**	**350**	620	550	440	**490**	360	310	405	**230**	268

PZ-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10
Cis-1,2-DCE	16	7.5	6.7	7.4	5.7	5.3	5.2	4.0	4.2	3.9
PCE	**24**	8.8	**1.0**	**7.1**	**2.3**	**4.5**	**3.6**	2.2	1.5	1.2
TCE	**24**	**8.6**	**9.2**	8.9	**3.7**	**5.1**	**4.3**	2.9	2.3	2.2

MW-5

	4/07	7/07	10/07	1/08	2/10	5/10
1,1,1-TCA	4.7	4.4	1.8	0.95	<0.90	<0.90
1,1-DCE	3.3	1.2 Q	2.0	1.9	0.84	0.58 J
1,2-DCA	3.1	1.7	2.8	1.4	1.0	0.95 J
PCE	0.56Q	<0.43	<0.43	<0.45	<0.45	<0.48

MW-6

	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
PCE	1.3 Q	19	15	<0.83	**47.6**	**59**	**43**	**44.4**

MW-2

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08
1,1 DCE	0.78 (0.88)	1.5	1.9	2.2 (1.7)	1.5	3.0	3.3	4.7
1,2 DCA	2.4 (2.4)	3.6	4.2	3.0 (3.1)	**5.1**	**5.1**	**5.3**	5.9

		ES	PAL
1,1-DCE	1,1-Dichloroethene	7	0.7
1,2-DCA	1,2-Dichloroethane	5	0.5
Cis-1,2-DCE	Cis-1,2-Dichloroethene	70	7.0
Trans-1,2-DCE	Trans-1,2-Dichloroethene	100	20
1,1,1-TCA	1,1,1-Trichloroethane	200	40
PCE	Tetrachloroethene	5	0.5
TCE	Trichloroethene	5	0.5

Concentrations in micrograms per liter (µg/L)

LEGEND

- DRY CLEANING MACHINE
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SUMP
- SOIL BORING (installed 4/09)
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS
- ESTIMATED EXTENT OF CVOC IMPACTED GROUNDWATER RELATED TO THE SITE
- ND — No detections above laboratory detection limits.
- (box) — Concentration exceeds NR 140 PAL.
- BOLD — Concentration exceeds NR 140 ES.
- J — Concentration falls between the laboratory detection limit and the limit of quantitation.

N

0 10 20

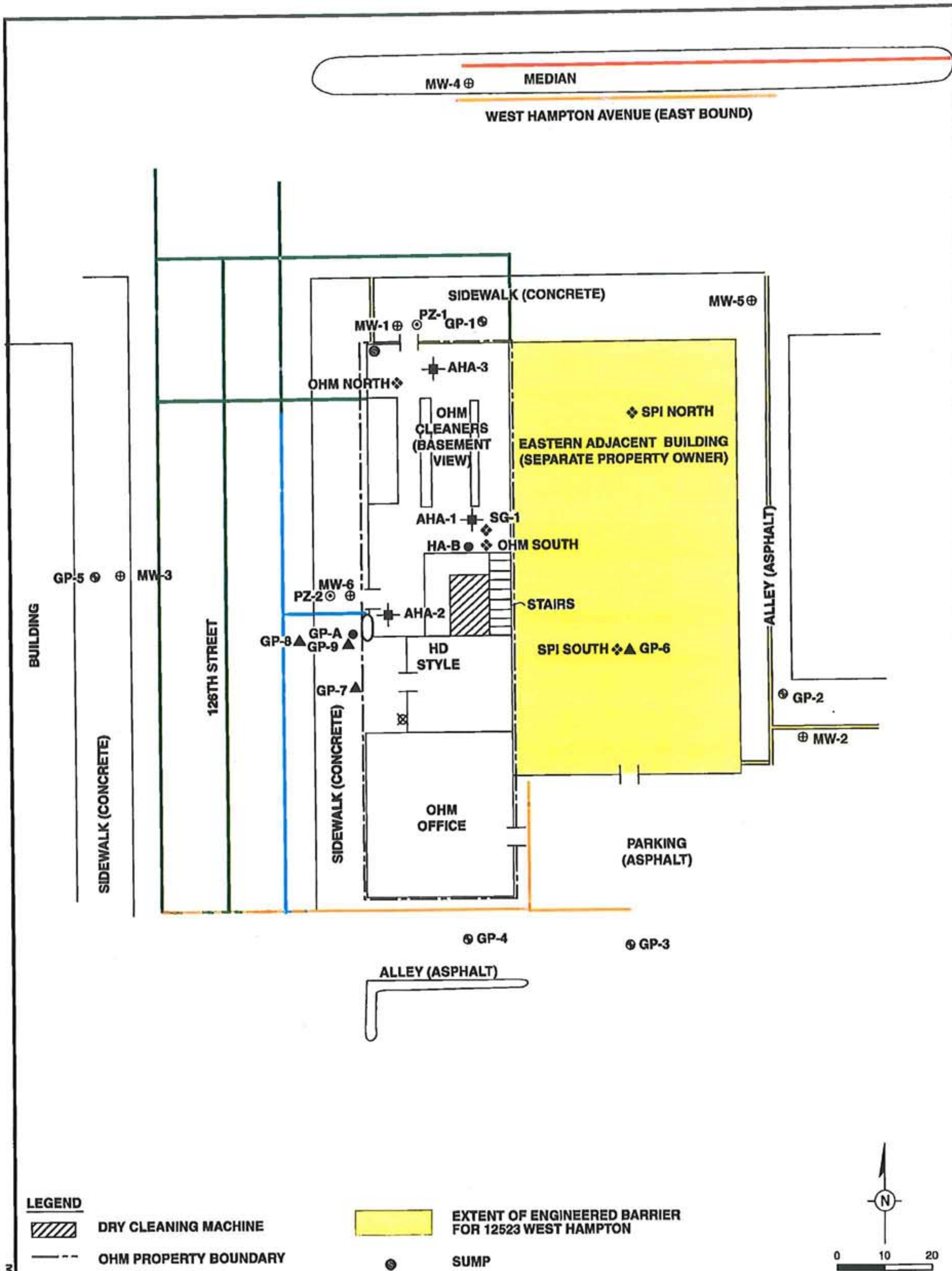
APPROXIMATE SCALE IN FEET

12523 WEST HAMPTON
BUTLER, WISCONSIN

SUMMARY OF MONITORING WELL GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ARCADIS

FIGURE 2



LEGEND

(hatched box)	DRY CLEANING MACHINE
(dash-dot line)	OHM PROPERTY BOUNDARY
(symbol)	SOIL BORING (installed 9/05)
(symbol)	HAND AUGER (installed 9/05)
●	PREVIOUSLY INSTALLED BORING
⊕	MONITORING WELL
⊙	PIEZOMETER
⊠	ABANDONED WATER WELL
▲	SOIL BORING (installed 4/09)
(yellow box)	EXTENT OF ENGINEERED BARRIER FOR 12523 WEST HAMPTON
(symbol)	SUMP
❖	SOIL VAPOR PROBE
(oval)	FORMER CONTAINER STORAGE AREA
(line)	GAS
(line)	ELECTRIC
(line)	WATER
(line)	SEWER
(line)	TELECOMMUNICATIONS

12523 WEST HAMPTON
BUTLER, WISCONSIN

SITE LAYOUT

ARCADIS

FIGURE 3

ENGINEERED BARRIER AND SUB-SLAB DEPRESSURIZATION MAINTENANCE PLAN

Date: January 29, 2014, Revised May 27, 2014

Subject Property Name: One Hour Martinizing (OHM) - Butler

Subject Property Location: 12527 West Hampton Avenue, Butler, Wisconsin, 53007

BRRTS#: 02-68-539238

Legal Description: LOT 6 BLK 31 EX E 9.90 FT NEW BUTLER PT SE1/4 SEC 36 T8N R20E & PT NE1/4 SEC 1 T7N R20E R1291/472

Tax Key: BV 1009022

Background

This document is the Maintenance Plan for a permanent engineered barrier and a sub-slab depressurization system (SSDS) at the Subject Property. The Subject Property is a one-story multi-tenant building with a basement beneath the northern half of the building. The basement level is finished with a concrete foundation and serves as a storage area (not occupied). The former OHM-Butler dry cleaner (the Site) occupied the space directly above the basement. Adjacent to the south are two tenant spaces which have slab-on-grade foundations. There is no basement beneath the two adjacent tenant spaces. As of the date of this Maintenance Plan, the former OHM-Butler dry cleaner space is vacant and unoccupied with all dry cleaning machinery removed. The other two tenant spaces are also unoccupied.

The soil at the Site is contaminated with chlorinated volatile organic compounds (CVOCs) to a depth of 9 feet below grade surface (ft bgs). Soil CVOC concentrations detected during the investigation exceed the current groundwater protection RCLs. None of the soil samples collected during the investigation contain CVOCs at concentrations above the current direct contact RCLs. The groundwater is contaminated with CVOCs above the NR 140 Enforcement Standard (ES) at depths ranging from 7 ft bgs to 36 ft bgs. The extent of the soil and groundwater contamination is shown on the attached Figures 1 and 2.

The maintenance activities relate to 1) the concrete building foundation for the entire building located on the Subject Property and the SSDS that was installed in the basement of the former dry cleaner of the building to mitigate vapor intrusion from the soil and groundwater impacted with CVOCs located beneath the building's foundation, and 2) the concrete floor and building foundation and the sidewalk located along the west side of the building to reduce infiltration of groundwater through soil that contains constituents that exceed the groundwater protection RCLs.

In May 2010, a SSDS was installed by Radon Abatement, Inc. in the basement of the Site to mitigate the potential for vapor intrusion. This system will continue to operate following case closure. Prior to the installation of the SSDS, indoor air samples were collected from the tenant space adjacent to the south of the Site and the building adjacent to the east of the Subject Property (12523 West Hampton Avenue). The indoor air samples exceeded the U. S. Environmental Protection Agency (U.S. EPA) Region 3 Non-Residential Indoor Air Action Level (NRIAAL) of 21 micrograms per cubic meter ($\mu g/m^3$) for PCE, which is one of the CVOCs detected in soil and groundwater beneath the Site. The NRIAALs were used at the time these samples were collected, as the Wisconsin Department of Natural Resources (WDNR) had not established guidance limits. It is noted the detected concentrations of PCE in indoor air ranged from 8.8

to 62.6 µg/m^3, less than the WDNR's current non-residential Vapor Action Level of 180 µg/m^3.

Following installation of the SSDS in the former dry cleaner basement, PCE indoor air levels in both the adjacent building and tenant space were found to have decreased by 93 percent, reducing indoor air PCE to below the U.S. EPA Region 3 NRIAAL. Maintaining both the engineered barrier and the SSDS described in this plan will mitigate vapor intrusion.

Additional site-specific information about the Subject Property may be found in:

- The case file (BRRTS# 02-68-539238) in the WDNR Waukesha Service Center
- WDNR BRRTS on the Web for the OHM site case file (BRRTS# 02-68-539238):

  http://dnr.wi.gov/botw/SetUpBasicSearchForm.do; and

- The WDNR project manager for Waukesha County.

Description of Permanent Engineered Barrier to be Maintained

Vapor Mitigation Barrier: The permanent engineered barrier consists of the existing concrete building basement slab/foundation on the Subject Property. The building slab/foundation at the east adjacent property at 12523 West Hampton Avenue must also be maintained as a barrier to vapor migration. That barrier shall be maintained by the adjacent property owner in accordance with the plan dated December 17, 2012. The extent of the barrier is shown on the attached Figure 3.

This permanent engineered barrier, paired with the SSDS (discussed in the following section), will mitigate vapor intrusion from the CVOC impacted soil and groundwater that might otherwise pose a threat to human health. Based on the current and future use of the Subject Property, this permanent engineered barrier should function as intended unless disturbed.

Infiltration Barrier: The concrete floor and building foundation and the sidewalk located along the west side of the building over the contaminated soil serve as a partial infiltration barrier to minimize future soil to groundwater contamination migration that would violate the groundwater standards in Ch. 140, Wisconsin Administrative Code. Based on the current use of the property, commercial, the barrier should function as intended unless disturbed.

Annual Inspection and Maintenance Activities for Permanent Engineered Barrier

The existing concrete building slab/foundation at the Subject Property and east adjacent property as depicted in Figure 3 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 vapors from the impacted soils and groundwater beneath the Site, or increased infiltration. The inspections will be performed by the property owners or their designated representatives. 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 and where vapor intrusion from the subsurface or infiltration to the subsurface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by each property owner and is attached (see the attached Cap Maintenance Log). The log will include recommendations for necessary repair of any such areas. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection logs will be kept at the address of the Subject Property owner and available for submittal or inspection by WDNR representatives upon their request.

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. The Subject Property owner must 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 existing concrete at the Subject Property or east adjacent property is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The Subject Property owner, in order to maintain the integrity of the permanent engineered barrier, 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 WDNR Prior to Actions Affecting the Permanent Engineered Barrier

The following activities are prohibited on any portion of the Subject Property where the permanent engineered barrier is required as shown on the attached map, unless prior written approval has been obtained from the WDNR: 1) removal of the existing permanent engineered 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.

Description of Sub-Slab Depressurization System (SSDS) Vapor Mitigation System

An SSDS was installed at the Subject Property by Radon Abatement on June 14, 2010. The details of the SSDS are outlined below and illustrated on Figure 4 and the attached photograph log:

- The SDSS consists of one suction drop pit installed through the basement floor slab.
- Four-inch Schedule 40 polyvinyl chloride (PVC) ventilation piping was installed from the suction point and secured to the internal wall and floor joists of the basement.
- The clean drilled penetration was sealed at the ventilation pipe drop.
- The ventilation piping was run to the west and exited through a hole bored through the western side of the building. This horizontal piping run was installed at a minimum slope of 1 percent to drain any condensation to the suction point.
- A RadonAway RP265 fan was connected to the ventilation piping and secured on the western exterior side of the building. An electrical disconnect was attached to the fan and hard-wired to the building's main electric panel with appropriate breakers that were labeled as powering the mitigation system. Fan information is attached.
- The exhaust pipe from the fan was completed approximately 12 inches above the finished roof with a goose-neck to the south-west.
- A U-tube manometer was installed on the interior piping to evaluate the system performance. The manometer is located on the drop pipe, which extends upward from the suction drop pit to

the ventilation piping. The manometer's U-tube is filled with a colored fluid to provide a visual contrast against the manometer scale. The scale measures inches of water column vacuum. Readings are made by measuring the distance between the meniscuses of fluid in each arm of the U-tube.

- Cold joint and crack sealing within the basement area was completed to optimize system performance. A basement sump was also removed.

- Labels were applied to identify the system, installer, and system specifics.

Communication Test

Communication tests were conducted by ARCADIS between June 14, 2010 and November 11, 2011. Five sub-slab test points (vapor probes) were installed by ARCADIS in the Site basement floor and are identified on Figure 4 as Northwest Vapor Probe (VP), Northeast VP, Southwest VP, Southeast VP, and West VP. Three additional vapor probes were installed by ARCADIS in the adjacent building and are identified on Figure 4 as SPI-Office, SPI-North, and SPI-South.

During the communication tests, ARCADIS used a micromanometer to measure sub-slab negative pressure at the vapor probe locations and the suction drop pit. Results of the communication test are presented in the table below. The results of the communication test indicate that operation of the SSDS from the suction drop pit is creating negative pressure in comparison to atmospheric pressure under the entire concrete slab of the Site with negative pressure also extending beneath a portion of the east adjacent building.

Test Point	Pressure (inches water column)
Suction Drop Pit	-0.50 to -0.68
Northwest VP	-0.081 to -0.238
Northeast VP	-0.021 to -0.106
West VP	-0.125 to -0.22
Southwest VP	-0.014
Southeast VP	-0.001
SPI-North	+0.003
SPI-South	-0.001
SPI-Office	-0.001

Annual Inspection and Maintenance Activities for the SSDS

Inspection of the SSDS will be conducted by the Subject Property owner, occupant or designated representative to verify operation. Manometer readings will be recorded quarterly to verify the system is applying adequate vacuum to the subslab. An annual inspection of system components will be completed, concurrently with the barrier inspection. The system shall apply a minimum vacuum of 0.50 inches of water column as measured by the manometer installed on the interior piping.

The inspection results will be recorded on the attached SSDS-O&M Inspection Form. The Subject Property owner will be responsible for ensuring such inspections are completed. The following is the

contact information for the company that installed the SSDS:

Radon Abatement, Inc
12221 West Rockne Avenue
Hales Corner, Wisconsin 53130
Phone Number: 414-546-3691

The inspection will consist of the following elements:

- The manometer reading will be checked to ensure the system is operating in the design range of at least 0.50 inches of water column (quarterly).
- The fan will be checked for unusual noise or vibration (annually).
- The vent piping will be checked for any damage (annually).
- The pipe supports will be checked to ensure they are secure (annually).
- The foundation sealing and sealing around system piping penetrations will be checked for any additional areas requiring sealing (annually).
- Repairs to the mitigation systems or additional sealing will be conducted as necessary (annually).
- Verify that maintenance and inspection of the 12523 West Hampton Avenue barrier has been completed (annually).

If the manometer reading during a quarterly inspection is less than 0.50 inches of water column, system components will be inspected and repaired as necessary to raise the vacuum to the minimum limit.

The Subject Property owner will maintain a copy of this Maintenance Plan and Inspection Forms on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing. A copy of the annual maintenance inspection forms must be submitted to the WDNR annually, beginning 1 year from the date of site closure.

Amendment or Withdrawal of Maintenance Plan

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

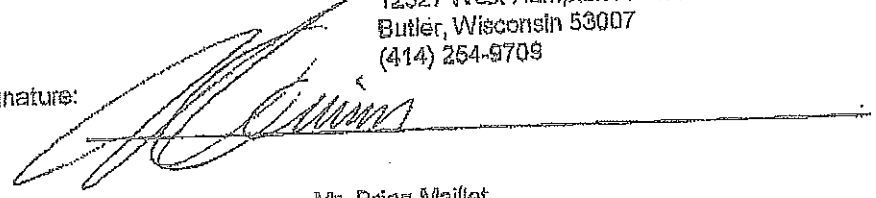
Contact Information

December 2013

Subject Property Owner:

Mr. Tom Grimm
12527 West Hampton Avenue
Butler, Wisconsin 53007
(414) 254-9709

Signature:



Consultant:

Mr. Brian Maillet
ARCADIS U.S., Inc.
126 N. Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Phone: (414) 276-7742

WDNR:

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

Cap Maintenance

Inspection Report

Inspection Date	Inspector	Condition of Cap	Recommendations	Have Recommendations from previous inspection been implemented?

ARCADIS

Sub-Slab Depressurization Systems – Annual O&M Inspection Form

Property Identification Number: _____
Tenant's Name: _____
Owner's Name: _____
Owners Address (If Different from Property): _____

Temperature (Ambient): _____ °F
Temperature (House): _____ °F
Barometric Pressure: _____ "Hg
Weather Conditions: _____

Inspector Name: _____
Date: _____
Time: _____

System Inspection

Is Fan Operating?	Yes	No	NA
Any Unusual Fan Noises?	Yes	No	
Are Vent Piping and Piping Joints Intact?	Yes	No	
Any Caulking Required Around Piping Penetrations?	Yes	No	
Is System Padlock Intact (System ON/OFF Switch)?	Yes	No	NA
Is O&M Manual Present?	Yes	No	
Any Areas In Need of Additional Sealing?	Yes	No	

List Areas to be Sealed: _____
List Any Necessary System Repairs: _____

Tenant/Owner Observations

Any Change in Fan Noise or Vibration?	Yes	No	
Have you Turned the Fan OFF for Any Period of Time?	Yes	No	NA

Reason? _____

Is Differential Pressure in the Manometer Outside of Normal Operating Range?	Yes	No	NA
Is the System Manometer Steady?	Yes	No	NA
Have You or the Owner Made any Changes to the Basement or Other Foundation?	Yes	No	

If So, What Were the Changes: _____

Quarterly Manometer Measurements

Sample Point ID	Minimum Vacuum (in w.c.)	Inspection Date	Inspection Time	Inspection Pressure (in w.c.)	Post Repair (If Necessary) Date	Post Repair (If Necessary) Time	Post Repair (If Necessary) Pressure (in w.c.)
Manometer – Q1	0.50						
Manometer – Q2	0.50						
Manometer – Q3	0.50						
Manometer – Q4	0.50						

Comments (Any Repairs Made While Visiting, etc.): _____

Repairs

Additional Sealing Completed: _____ Date: _____
System Repairs Completed: _____ Date: _____

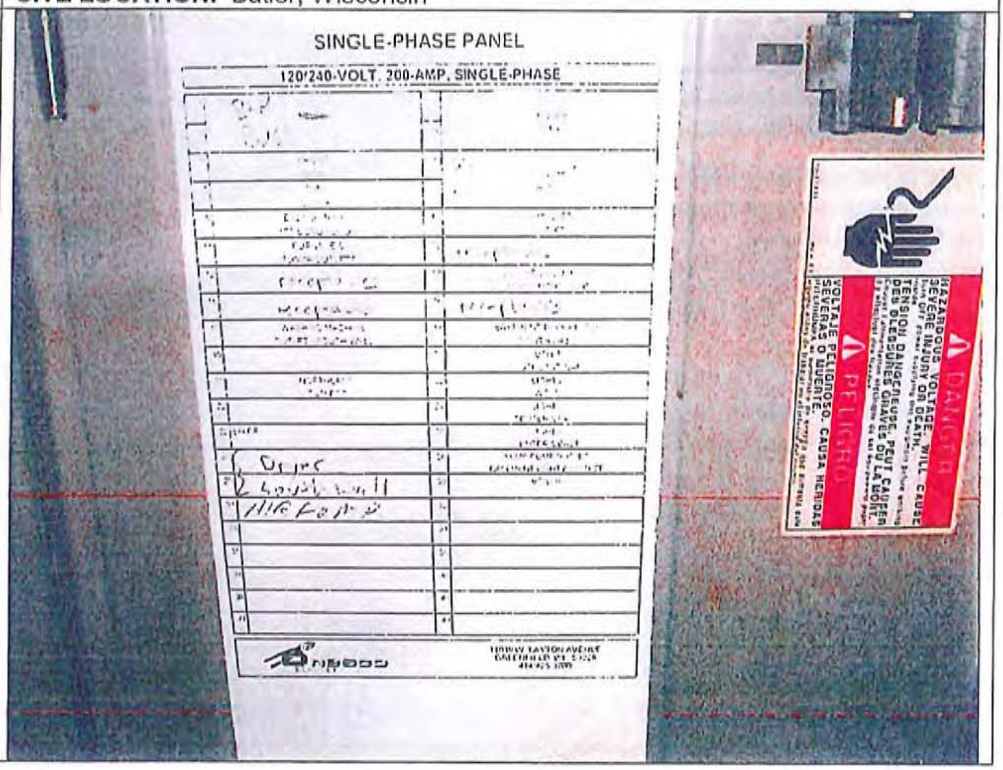
☐ Annual Maintenance/Inspection of engineered barrier at 12523 West Hampton Avenue property has been completed and documented by property owner. Date of inspection: _____

Note: The active mitigation system design is based on the sub-slab depressurization system (SSDS), sub-membrane depressurization system (SMDS), and crawlspace depressurization system (CSDS) design criteria found in American Society for Testing and Materials (ASTM) Designation: E2121-03, Standard Practice for Installing Radon Mitigation Systems in Existing Low-Rise Residential Buildings (ASTM, 2008), United States Environmental Protection Agency (U.S. EPA) Region 5, Vapor Intrusion Guidebook (U.S. EPA, 2010), and U.S. EPA 625, Radon Reduction Techniques for Existing Detached Houses (U.S. EPA, 1993), and U.S. EPA, Indoor Air Vapor Intrusion Mitigation Approaches (U.S. EPA, 2008).

Sub-Slab Depressurization System (SSDS)
One Hour Martinizing (OHM) – Butler

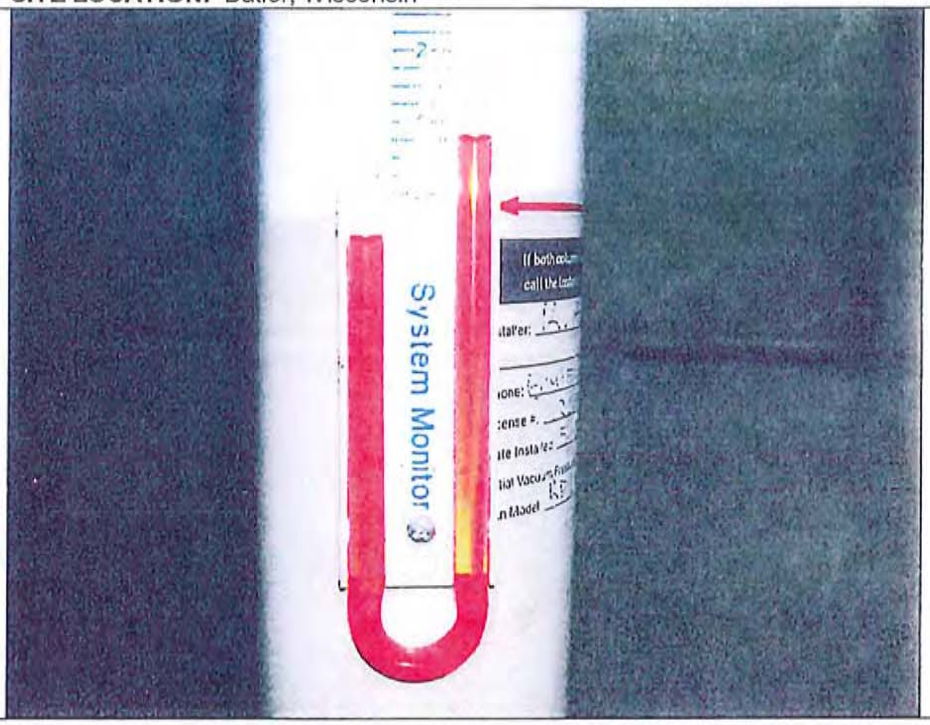
Photograph Log

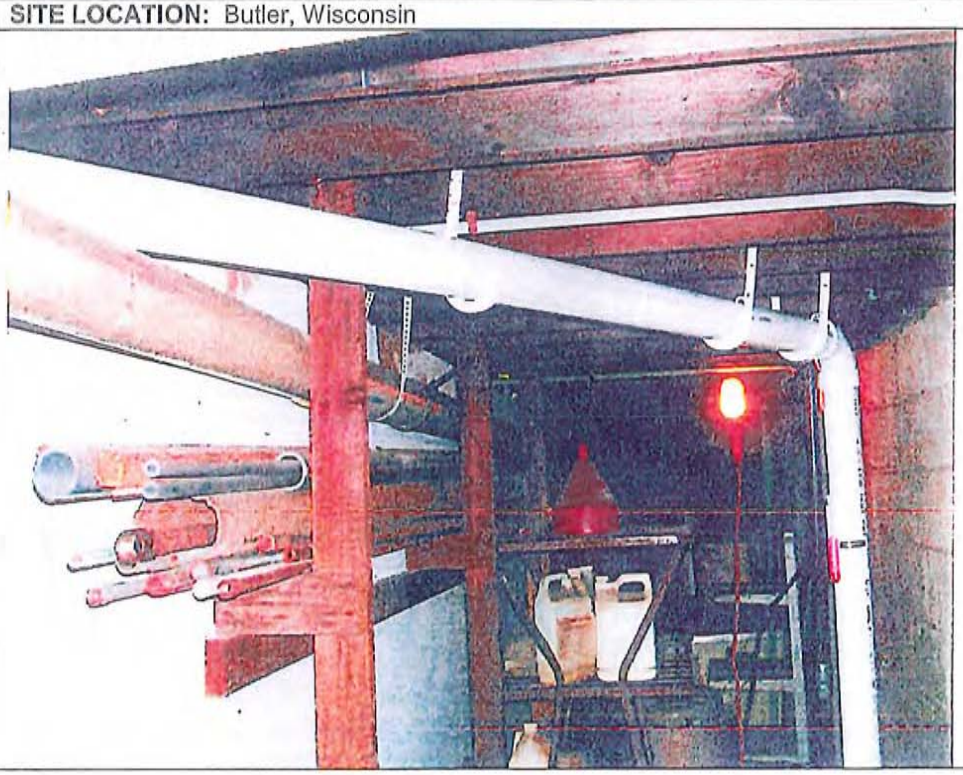
CLIENT: OHM-Butler	**SITE ADDRESS:** 12527 West Hampton Avenue
PROJECT #: WI001109	**SITE LOCATION:** Butler, Wisconsin
PHOTOGRAPH #: 1	
PHOTOGRAPHER: bjm	
DATE: 6/14/10	
DIRECTION: East	
COMMENT: The RadonAway RP265 fan, mounted on the west exterior wall of the Subject Property, and associated exhaust outlet.	

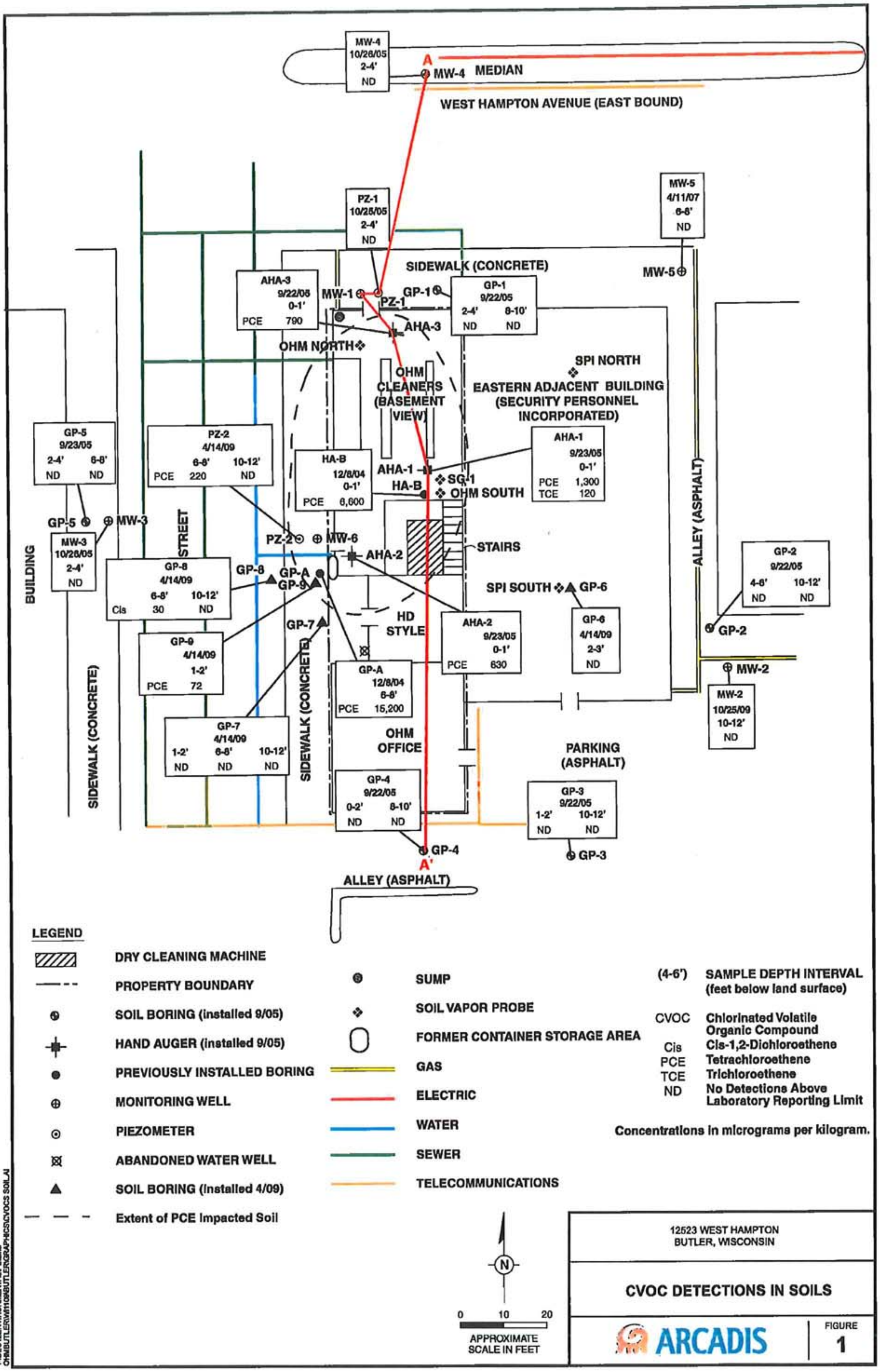
CLIENT: OHM-Butler	**SITE ADDRESS:** 12527 West Hampton Avenue
PROJECT #: WI001109	**SITE LOCATION:** Butler, Wisconsin
PHOTOGRAPH #: 2	
PHOTOGRAPHER: bjm	
DATE: 6/14/10	
DIRECTION: South	
COMMENT: The electrical panel, depicting the breaker labeling for the SSDS fan.	

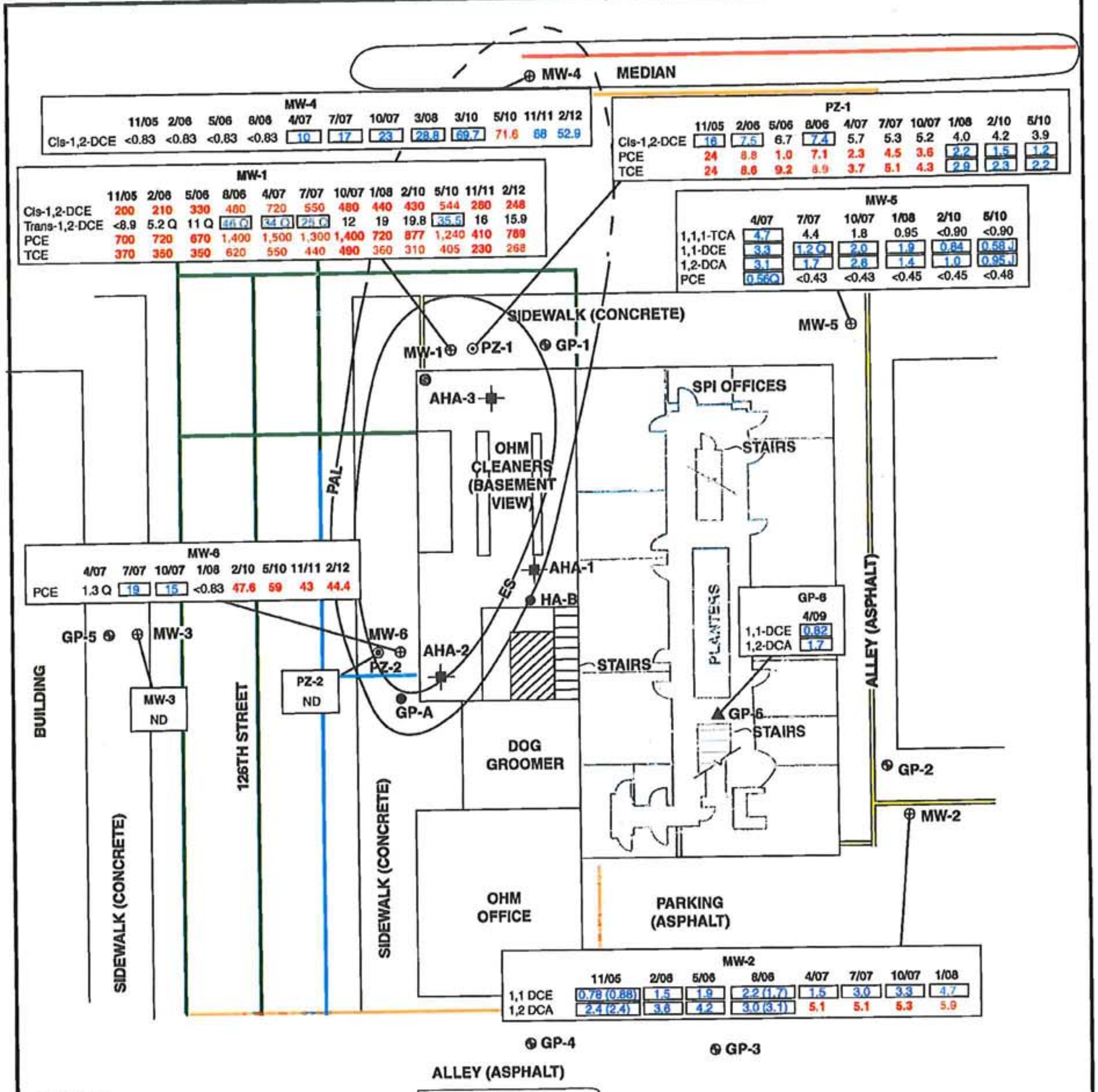
Sub-Slab Depressurization System (SSDS)
One Hour Martinizing (OHM) – Butler

Photograph Log

CLIENT: OHM-Butler	**SITE ADDRESS:** 12527 West Hampton Avenue
PROJECT #: WI001109	**SITE LOCATION:** Butler, Wisconsin
PHOTOGRAPH #: 3	
PHOTOGRAPHER: bjm	
DATE: 6/14/10	
DIRECTION: east	
COMMENT: The SSDS manometer, installed on the drop pipe that extends into the suction drop pit, with labeling.	

CLIENT: OHM-Butler	**SITE NAME:** 12527 West Hampton Avenue
PROJECT #: WI001109	**SITE LOCATION:** Butler, Wisconsin
PHOTOGRAPH #: 4	
PHOTOGRAPHER: bjm	
DATE: 6/14/10	
DIRECTION: North	
COMMENT: A view of the ventilation piping run, extending from the drop pipe to the SSDS fan.	


MW-4 10/26/05 2-4' ND
A
MW-4 MEDIAN
WEST HAMPTON AVENUE (EAST BOUND)
PZ-1 10/26/05 2-4' ND
MW-5 4/11/07 6-8' ND
MW-5
SIDEWALK (CONCRETE)
AHA-3 9/22/05 0-1' PCE 790
MW-1
PZ-1
GP-1
GP-1 9/22/05 2-4' 8-10' ND ND
AHA-3
OHM NORTH
SPI NORTH
OHM CLEANERS (BASEMENT VIEW)
EASTERN ADJACENT BUILDING (SECURITY PERSONNEL INCORPORATED)
GP-5 9/23/05 2-4' 6-8' ND ND
PZ-2 4/14/09 6-8' 10-12' PCE 220 ND
HA-B 12/8/04 0-1' PCE 6,600
AHA-1
HA-B
SG-1
OHM SOUTH
AHA-1 9/23/05 0-1' PCE 1,300 TCE 120
ALLEY (ASPHALT)
GP-5
MW-3
STREET
PZ-2
MW-6
MW-3 10/26/05 2-4' ND
BUILDING
GP-8 4/14/09 6-8' 10-12' Cis 30 ND
GP-8
GP-A
GP-9
AHA-2
STAIRS
SPI SOUTH
GP-6
GP-2 9/22/05 4-6' 10-12' ND ND
GP-7
HD STYLE
AHA-2 9/23/05 0-1' PCE 630
GP-6 4/14/09 2-3' ND
GP-2
GP-9 4/14/09 1-2' PCE 72
GP-A 12/8/04 6-8' PCE 15,200
MW-2
MW-2 10/25/09 10-12' ND
SIDEWALK (CONCRETE)
GP-7 4/14/09 1-2' 6-8' 10-12' ND ND ND
OHM OFFICE
PARKING (ASPHALT)
GP-4 9/22/05 0-2' 8-10' ND ND
GP-3 9/22/05 1-2' 10-12' ND ND
GP-4
A'
GP-3
ALLEY (ASPHALT)
LEGEND
DRY CLEANING MACHINE
PROPERTY BOUNDARY
SOIL BORING (installed 9/05)
HAND AUGER (installed 9/05)
PREVIOUSLY INSTALLED BORING
MONITORING WELL
PIEZOMETER
ABANDONED WATER WELL
SOIL BORING (installed 4/09)
Extent of PCE Impacted Soil
SUMP
SOIL VAPOR PROBE
FORMER CONTAINER STORAGE AREA
GAS
ELECTRIC
WATER
SEWER
TELECOMMUNICATIONS
(4-6') SAMPLE DEPTH INTERVAL (feet below land surface)
CVOC Chlorinated Volatile Organic Compound
Cis Cis-1,2-Dichloroethene
PCE Tetrachloroethene
TCE Trichloroethene
ND No Detections Above Laboratory Reporting Limit
Concentrations in micrograms per kilogram.
N
0 10 20
APPROXIMATE SCALE IN FEET
12523 WEST HAMPTON
BUTLER, WISCONSIN
CVOC DETECTIONS IN SOILS
ARCADIS
FIGURE
1



MW-4

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	3/08	3/10	5/10	11/11	2/12
Cis-1,2-DCE	<0.83	<0.83	<0.83	<0.83	10	17	23	28.8	69.7	71.6	68	52.9

PZ-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10
Cis-1,2-DCE	16	7.5	6.7	7.4	5.7	5.3	5.2	4.0	4.2	3.9
PCE	24	8.8	1.0	7.1	2.3	4.5	3.6	2.2	1.5	1.2
TCE	24	8.6	9.2	8.9	3.7	5.1	4.3	2.9	2.3	2.2

MW-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
Cis-1,2-DCE	200	210	330	480	720	550	480	440	430	544	280	248
Trans-1,2-DCE	<8.9	5.2 Q	11 Q	46 Q	34 Q	25 Q	12	19	19.8	35.5	16	15.9
PCE	700	720	670	1,400	1,500	1,300	1,400	720	877	1,240	410	789
TCE	370	350	350	620	550	440	490	360	310	405	230	268

MW-5

	4/07	7/07	10/07	1/08	2/10	5/10
1,1,1-TCA	4.7	4.4	1.8	0.95	<0.90	<0.90
1,1-DCE	3.3	1.2 Q	2.0	1.9	0.84	0.58 J
1,2-DCA	3.1	1.7	2.6	1.4	1.0	0.95 J
PCE	0.56Q	<0.43	<0.43	<0.45	<0.45	<0.48

MW-6

	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
PCE	1.3 Q	19	15	<0.83	47.6	59	43	44.4

MW-2

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08
1,1 DCE	0.78 (0.88)	1.5	1.9	2.2 (1.7)	1.5	3.0	3.3	4.7
1,2 DCA	2.4 (2.4)	3.6	4.2	3.0 (3.1)	5.1	5.1	5.3	5.9

LEGEND

- DRY CLEANING MACHINE
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SUMP
- SOIL BORING (installed 4/09)
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS
- ESTIMATED EXTENT OF CVOC IMPACTED GROUNDWATER RELATED TO THE SITE
- ND — No detections above laboratory detection limits.
- (box) — Concentration exceeds NR 140 PAL.
- BOLD — Concentration exceeds NR 140 ES.
- J — Concentration falls between the laboratory detection limit and the limit of quantitation.

		ES	PAL
1,1-DCE	1,1-Dichloroethene	7	0.7
1,2-DCA	1,2-Dichloroethane	5	0.5
Cis-1,2-DCE	Cis-1,2-Dichloroethene	70	7.0
Trans-1,2-DCE	Trans-1,2-Dichloroethene	100	20
1,1,1-TCA	1,1,1-Trichloroethane	200	40
PCE	Tetrachloroethene	5	0.5
TCE	Trichloroethene	5	0.5

Concentrations in micrograms per liter (µg/L)

N

0 10 20

APPROXIMATE SCALE IN FEET

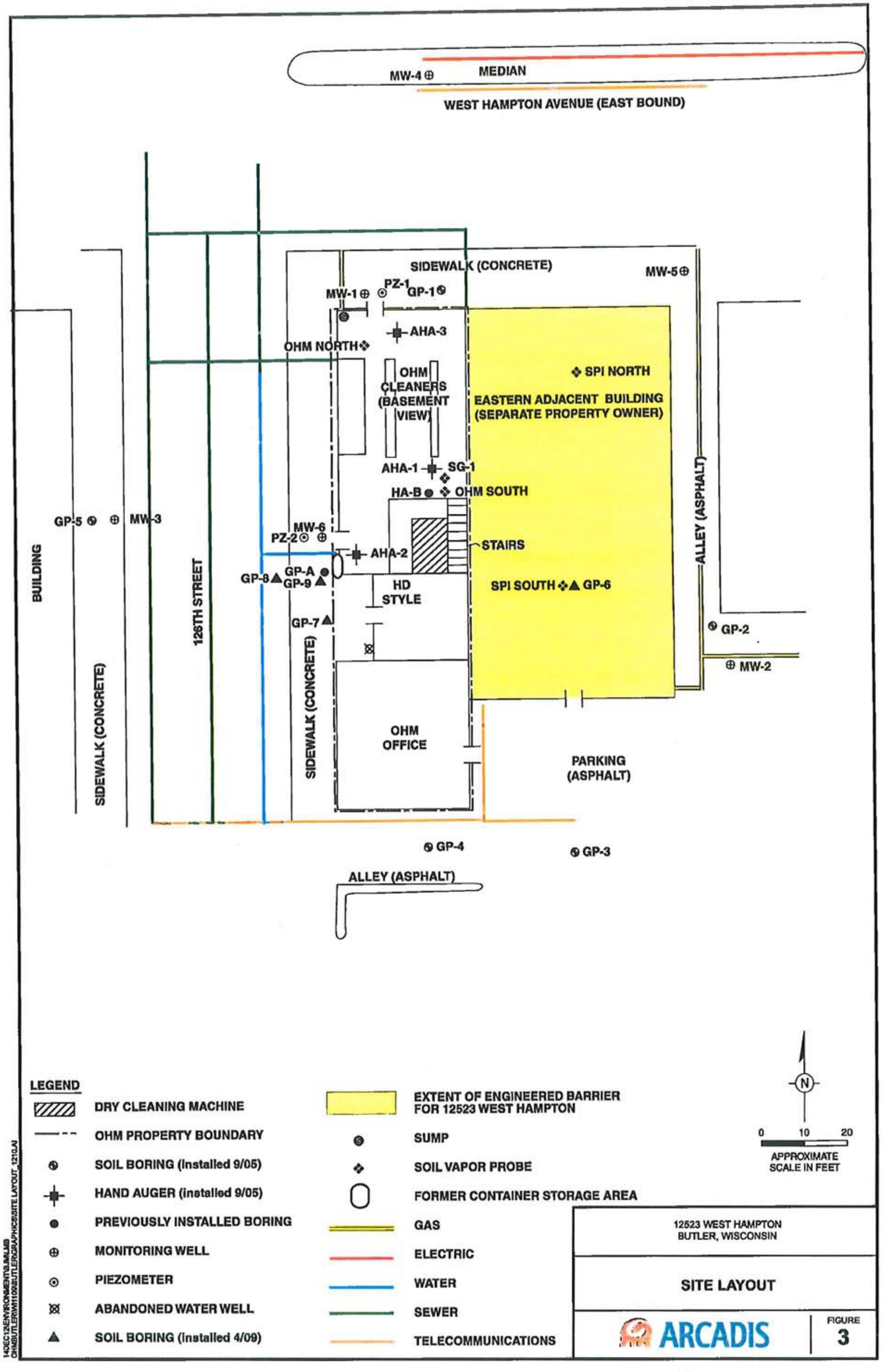
14DEC12ENVIRONMENTAL\CB\LMB OHM\BUTLER\W1109\BUTLER\GRAPHICS\MW_GW_EXCEED 0212.AI

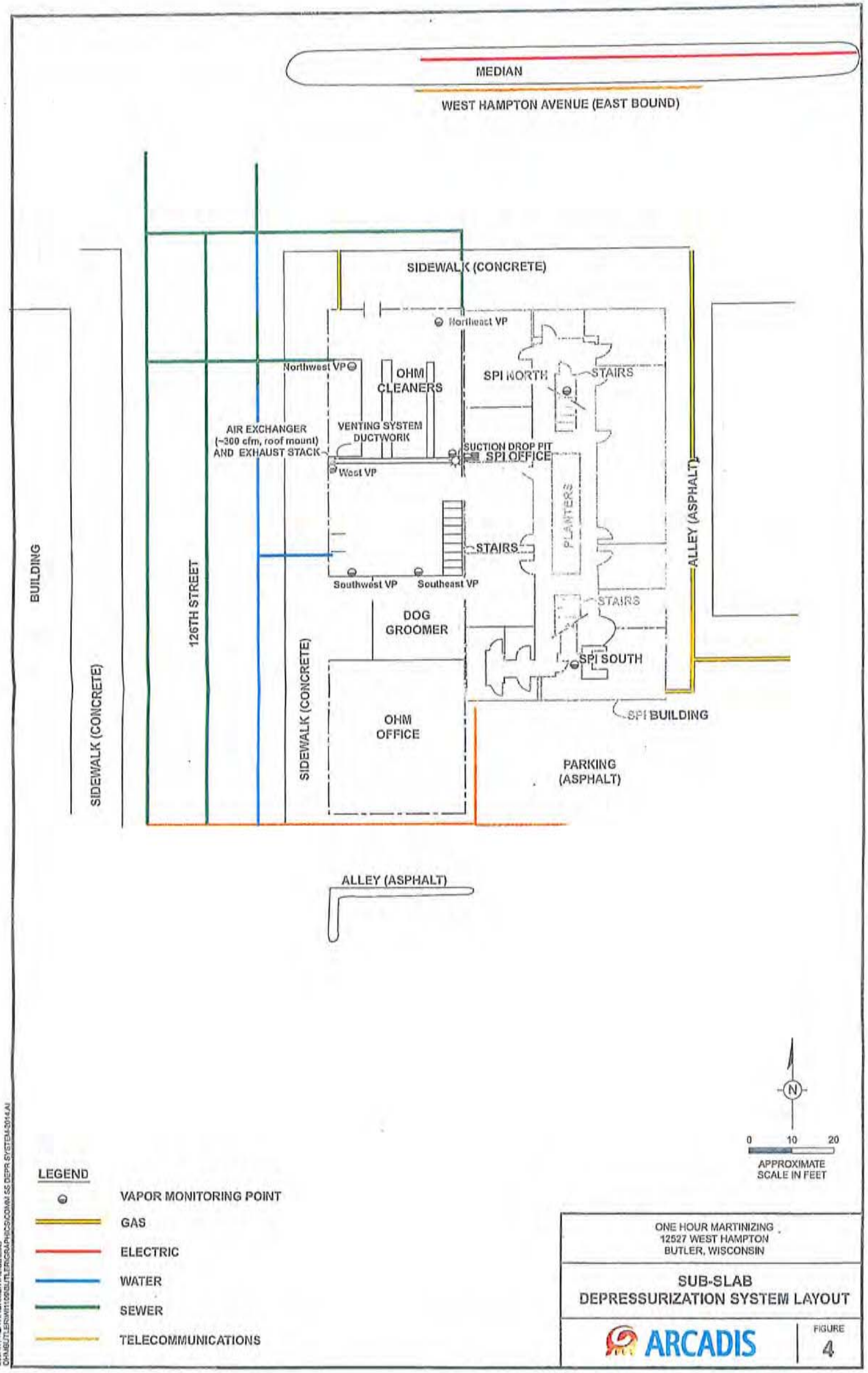
12523 WEST HAMPTON
BUTLER, WISCONSIN

SUMMARY OF MONITORING WELL GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ARCADIS

FIGURE 2


MW-4
MEDIAN
WEST HAMPTON AVENUE (EAST BOUND)
SIDEWALK (CONCRETE)
MW-5
MW-1
PZ-1
GP-1
AHA-3
OHM NORTH
OHM CLEANERS (BASEMENT VIEW)
SPI NORTH
EASTERN ADJACENT BUILDING (SEPARATE PROPERTY OWNER)
AHA-1
SG-1
HA-B
OHM SOUTH
GP-5
MW-3
MW-6
PZ-2
AHA-2
STAIRS
GP-8
GP-A
GP-9
HD STYLE
SPI SOUTH
GP-6
ALLEY (ASPHALT)
BUILDING
126TH STREET
GP-7
GP-2
MW-2
SIDEWALK (CONCRETE)
SIDEWALK (CONCRETE)
OHM OFFICE
PARKING (ASPHALT)
GP-4
GP-3
ALLEY (ASPHALT)
LEGEND
DRY CLEANING MACHINE
OHM PROPERTY BOUNDARY
SOIL BORING (Installed 9/05)
HAND AUGER (Installed 9/05)
PREVIOUSLY INSTALLED BORING
MONITORING WELL
PIEZOMETER
ABANDONED WATER WELL
SOIL BORING (Installed 4/09)
EXTENT OF ENGINEERED BARRIER FOR 12523 WEST HAMPTON
SUMP
SOIL VAPOR PROBE
FORMER CONTAINER STORAGE AREA
GAS
ELECTRIC
WATER
SEWER
TELECOMMUNICATIONS
N
0
10
20
APPROXIMATE SCALE IN FEET
12523 WEST HAMPTON
BUTLER, WISCONSIN
SITE LAYOUT
ARCADIS
FIGURE
3


MEDIAN
WEST HAMPTON AVENUE (EAST BOUND)
SIDEWALK (CONCRETE)
Northeast VP
Northwest VP
OHM CLEANERS
SPI NORTH
STAIRS
AIR EXCHANGER (~300 cfm, roof mount) AND EXHAUST STACK
VENTING SYSTEM DUCTWORK
SUCTION DROP PIT
SPI OFFICE
West VP
PLANTERS
STAIRS
ALLEY (ASPHALT)
BUILDING
126TH STREET
Southwest VP
Southeast VP
STAIRS
DOG GROOMER
SIDEWALK (CONCRETE)
SPI SOUTH
SIDEWALK (CONCRETE)
OHM OFFICE
SPI BUILDING
PARKING (ASPHALT)
ALLEY (ASPHALT)
N
0 10 20
APPROXIMATE SCALE IN FEET
LEGEND
VAPOR MONITORING POINT
GAS
ELECTRIC
WATER
SEWER
TELECOMMUNICATIONS
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN
SUB-SLAB
DEPRESSURIZATION SYSTEM LAYOUT
ARCADIS
FIGURE
4

IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the GP/XP/XR/RP Series Fan for shipping damage within 15 days of receipt. Notify RadonAway of any damages immediately. Radonaway is not responsible for damages incurred during shipping. However, for your benefit, Radonaway does insure shipments.

There are no user serviceable parts inside the fan. Do not attempt to open. Return unit to factory for service.

Install the GP/XP/XR/RP Series Fan in accordance with all EPA standard practices, and state and local building codes and state regulations.

WARRANTY

Subject to any applicable consumer protection legislation, RadonAway warrants that the GP/XP/XR/RP Series Fan (the "Fan") will be free from defects in materials and workmanship for a period of 90 days from the date of purchase (the "Warranty Term").

RadonAway will replace any Fan which fails due to defects in materials or workmanship. The Fan must be returned (at Owner's cost) to the RadonAway factory. Any Fan returned to the factory will be discarded unless the Owner provides specific instructions along with the Fan when it is returned regardless of whether or not the Fan is actually replaced under this warranty. Proof of purchase must be supplied upon request for service under this Warranty.

This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not cover damage in shipment unless the damage is due to the negligence of RadonAway.

5 YEAR EXTENDED WARRANTY WITH PROFESSIONAL INSTALLATION.

RadonAway will extend the Warranty Term of the fan to 5 years from date of manufacture if the Fan is installed in a professionally designed and professionally installed radon system or installed as a replacement fan in a professionally designed and professionally installed radon system. Proof of purchase and/or proof of professional installation may be required for service under this warranty. Outside the Continental United States and Canada the extended Warranty Term is limited to one (1) year from the date of manufacture.

RadonAway is not responsible for installation, removal or delivery costs associated with this Warranty.

EXCEPT AS STATED ABOVE, THE GP/XP/XR/RP SERIES FANS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL RADONAWAY BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.

For service under this Warranty, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping cost to and from factory.

RadonAway
3 Saber Way
Ward Hill, MA 01835
TEL. (978) 521-3703
FAX (978) 521-3964

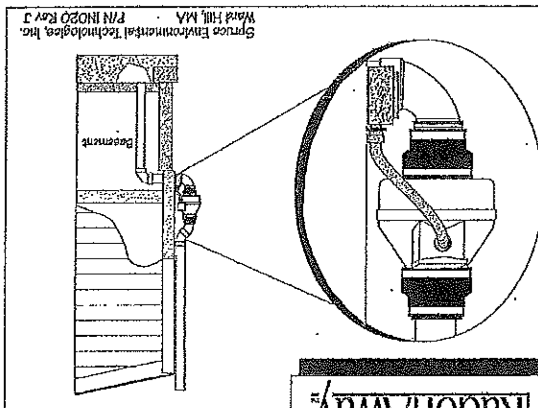
Record the following information for your records:

Serial No.________________________

Purchase Date________________________

RP Series Installation Instructions

By RadonAway



Spruce Environmental Technologies, Inc.
Ward Hill, MA P/N IN020 Rev J

RadonAway

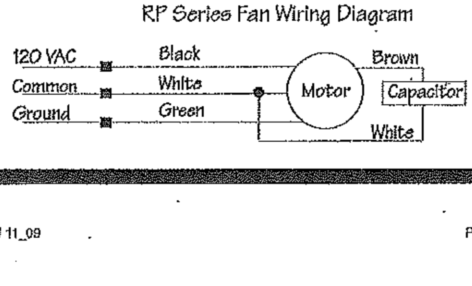
Series Fan Installation Instructions

Please Read and Save These Instructions.

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

1. WARNING! Do not use fan in hazardous environments where fan electrical system could provide ignition to combustible or flammable materials.
2. WARNING! Do not use fan to pump explosive or corrosive gases.
3. WARNING! Check voltage at the fan to insure it corresponds with nameplate.
4. WARNING! Normal operation of this device may affect the combustion airflow needed for safe operation of fuel burning equipment. Check for possible backdraft conditions on all combustion devices after installation.
5. NOTICE! There are no user serviceable parts located inside the fan unit. Do NOT attempt to open. Return unit to the factory for service.
6. All wiring must be performed in accordance with the National Fire Protection Association's (NFPA)"National Electrical Code, Standard #70"-current edition for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician.
7. WARNING! Do not leave fan unit installed on system piping without electrical power for more than 48 hours. Fan failure could result from this non-operational storage.

RP Series Fan Wiring Diagram



RadonAway

INSTALLATION INSTRUCTIONS IN020 Rev I
RP Series

RP140	p/n 23029-1
RP145	p/n 23030-1
RP260	p/n 23032-1
RP265	p/n 23033-1
RP380	p/n 28208

1.0 SYSTEM DESIGN CONSIDERATIONS

1.1 INTRODUCTION

The DynaVac RP Series Radon Fans are intended for use by trained, professional Radon mitigators. The purpose of this instruction is to provide additional guidance for the most effective use of a DynaVac Fan. This instruction should be considered as a supplement to EPA standard practices, state and local building codes and state regulations. In the event of a conflict, those codes, practices and regulations take precedence over this instruction.

1.2 ENVIRONMENTALS

The RP Series Fans are designed to perform year-round in all but the harshest climates without additional concern for temperature or weather. For installations in an area of severe cold weather, please contact RadonAway for assistance. When not in operation, the fan should be stored in an area where the temperature is never less than 32 degrees F. or more than 100 degrees F.

1.3 ACOUSTICS

The RP Series Fan, when installed properly, operates with little or no noticeable noise to the building occupants. The velocity of the outgoing air should be considered in the overall system design. In some cases the "rushing" sound of the outlet air may be disturbing. In these instances, the use of a RadonAway Exhaust Muffler is recommended.

1.4 GROUND WATER

In the event that a temporary high water table results in water at or above slab level, water may be drawn into the riser pipes thus blocking air flow to the RP Series Fan. The lack of cooling air may result in the fan cycling on and off as the internal temperature rises above the thermal cutoff and falls upon shutoff. Should this condition arise, it is recommended that the fan be turned off until the water recedes allowing for return to normal operation.

1.5 SLAB COVERAGE

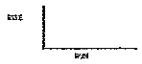
The RP Series Fan can provide coverage up to 2000+ sq. ft. per slab penetration. This will primarily depend on the sub-slab material in any particular installation. In general, the tighter the material, the smaller the area covered per penetration. Appropriate selection of the RP Series Fan best suited for the sub-slab material can improve the slab coverage. The RP140/145/155 are best suited for general purpose use. The RP260 can be used where additional airflow is required and the RP265/380 is best suited for large slab, high airflow applications. Additional suction points can be added as required. It is recommended that a small pit (5 to 10 gallons in size) be created below the slab at each suction hole.

1.6 CONDENSATION & DRAINAGE

Condensation is formed in the piping of a mitigation system when the air in the piping is chilled below its dew point. This can occur at points where the system piping goes through unheated space such as an attic, garage or outside. The system design must provide a means for water to drain back to a slab hole to remove the condensation. The RP Series Fan MUST be mounted vertically plumb and level, with the outlet pointing up for proper drainage through the fan. Avoid mounting the fan in any orientation that will allow water to accumulate inside the fan housing. The RP Series Fans are NOT suitable for underground burial.

For RP Series Fan piping, the following table provides the minimum recommended pipe diameter and pitch under several system conditions.

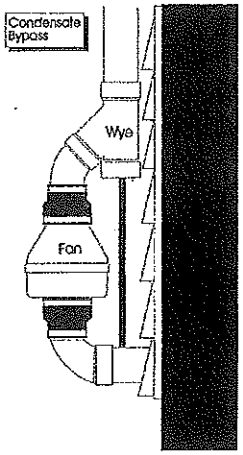
Pipe Dia.	Minimum Rise per Foot of Run*				
	@25 CFM	@50 CFM	@100 CFM	@200 CFM	@300 CFM
3"	-	5/16	1/4	3/8	3/4
4"	1/8	1/4	5/8	2 3/8	-
6"	1/4	5/8	1 1/2	-	-



*Typical RP1xx/2xx Series Fan operational flow rate is 25 - 93 CFM On 3" and 4" pipe. (For more precision, determine flow rate by measuring Static Pressure, in WC, and correlate pressure to flow in the performance chart in the addendum)

Under some circumstances in an outdoor installation a condensate bypass should be installed in the outlet ducting as shown. This may be particularly true in cold climate installations which require long lengths of outlet ducting or where the outlet ducting is likely to produce large amounts of condensation because of high soil moisture or outlet duct material. Schedule 20 piping and other thin-walled plastic ducting and Aluminum downspout will normally produce much more condensation than Schedule 40 piping.

The bypass is constructed with a 45 degree Wye fitting at the bottom of the outlet stack. The bottom of the Wye is capped and fitted with a tube that connects to the inlet piping or other drain. The condensation produced in the outlet stack is collected in the Wye fitting and drained through the bypass tube. The bypass tubing may be insulated to prevent freezing.



1.7 "SYSTEM ON" INDICATOR

A properly designed system should incorporate a "System On" indicator for affirmation of system operation. A manometer, such as a U-Tube, or a vacuum alarm is recommended for this purpose.

1.8 ELECTRICAL WIRING

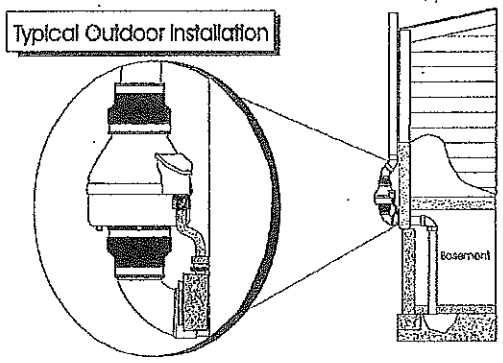
The RP Series Fans operate on standard 120V 60 Hz. AC. All wiring must be performed in accordance with the National Fire Protection Association's (NFPA)"National Electrical Code, Standard #70"-current edition for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a U.L. listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly sealed to prevent water penetration into the box. A means, such as a weep hole, is recommended to drain the box.

1.9 SPEED CONTROLS

The RP Series Fans are rated for use with electronic speed controls ,however , they are generally not recommended.

2.0 INSTALLATION

The RP Series Fan can be mounted indoors or outdoors. (It is suggested that EPA recommendations be followed in choosing the fan location.) The RP Series Fan may be mounted directly on the system piping or fastened to a supporting structure by means of optional mounting bracket.



2.1 MOUNTING

Mount the RP Series Fan vertically with outlet up. Insure the unit is plumb and level. When mounting directly on the system piping assure that the fan does not contact any building surface to avoid vibration noise.

2.2 MOUNTING BRACKET (optional)

The RP Series fan may be optionally secured with the RadonAway P/N 25007-2 (25033 for RP385) mounting bracket. Foam or rubber grommets may also be used between the bracket and mounting surface for vibration isolation.

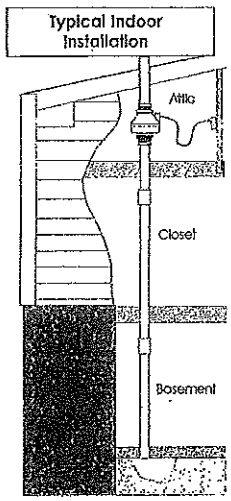
2.3 SYSTEM PIPING

Complete piping run, using flexible couplings as means of disconnect for servicing the unit and vibration isolation.

2.4 ELECTRICAL CONNECTION

Connect wiring with wire nuts provided, observing proper connections(See Section 1.8):

Fan Wire	Connection
Green	Ground
Black	AC Hot
White	AC Common



2.5 VENT MUFFLER (optional)

Install the muffler assembly in the selected location in the outlet ducting. Solvent weld all connections. The muffler is normally installed at the end of the vent pipe.

2.6 OPERATION CHECKS

_____ Verify all connections are tight and leak-free.

_____ Insure the RP Series Fan and all ducting is secure and vibration-free.

_____ Verify system vacuum pressure with manometer. Insure vacuum pressure is less than maximum recommended operating pressure

(Based on sea-level operation, at higher altitudes reduce by about 4% per 1000 Feet.)
(Further reduce Maximum Operating Pressure by 10% for High Temperature environments)
See Product Specifications. If this is exceeded, increase the number of suction points.

_____ Verify Radon levels by testing to EPA protocol.

RP SERIES PRODUCT SPECIFICATIONS

The following chart shows fan performance for the RP Series Fan:

	Typical CFM Vs Static Pressure "WC								
	0"	.25"	.5"	.75"	1.0"	1.25"	1.5"	1.75"	2.0"
RP140	135	103	70	14	-	-	-	-	-
RP145	166	146	126	104	82	61	41	21	3
RP260	272	220	176	138	103	57	13	-	-
RP265	334	291	247	210	176	142	116	87	52
RP380*	497	401	353	281	220	176	130	80	38

*Tested with 6" inlet and discharge pipe.

Power Consumption 120 VAC, 60Hz, 1.5 Amp Maximum			Maximum Recommended Operating Pressure* (Sea Level Operation)**	
RP140	17 - 21	watts	RP140	0.8" W.C.
RP145	41 - 72	watts	RP145	1.7" W.C.
RP260	52 - 72	watts	RP260	1.5" W.C.
RP265	91 - 129	watts	RP265	2.2" W.C.
RP380	95 - 152	watts	RP380	2.0" W.C.

*Reduce by 10% for High Temperature Operation
**Reduce by 4% per 1000 feet of altitude

	Size	Weight	Inlet/Outlet
RP140	8.5H" x 9.7" Dia.	5.5 lbs.	4.5" OD (4.0" PVC Sched 40 size compatible)
RP145	8.5H" x 9.7" Dia.	5.5 lbs.	4.5" OD (4.0" PVC Sched 40 size compatible)
RP155	8.5H" x 9.7" Dia.	5.5 lbs.	5.0" OD
RP260	8.6H" x 11.75" Dia.	5.5 lbs.	6.0" OD
RP265	8.6H" x 11.75" Dia.	6.5 lbs.	6.0" OD
RP380	10.53H" x 13.4" Dia.	11.5 lbs.	8.0" OD

Recommended ducting: 3" or 4" RP1xx/2xx, 6" RP380, Schedule 20/40 PVC Pipe
Mounting: Mount on the duct pipe or with optional mounting bracket.
Storage temperature range: 32 - 100 degrees F.
Normal operating temperature range: -20 - 120 degrees F.
Maximum inlet air temperature: 80 degrees F.
Continuous Duty
Class B Insulation
Thermally protected
3000 RPM
Rated for Indoor or Outdoor Use

LISTED Electric Fan 24788 ETL Tested to UL Std. 507 2108 HVI CERTIFIED

CAP MAINTENANCE PLAN, DECEMBER 17, 2012

Subject Property Location: 12523 West Hampton Avenue, Butler, Wisconsin, 53007

BRRTS#: 02-68-539238 associated with the One Hour Martinizing (OHM) site

Legal Description: LOT 5 & E 9.90 FT LOT 6 BLK 31 NEW BUTLER PT SE1/4 SEC 36 T8N R20E & NE1/4 SEC 1 T7N R20E DOC# 3616394

Tax Key: BV 1009021

Summary

This document is the Maintenance Plan for a permanent engineered barrier at the Subject Property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing concrete building foundation occupying the Subject Property that is being used to mitigate vapor intrusion from the soil and groundwater impacted with chlorinated volatile organic compounds (CVOC) at the adjacent One Hour Martinizing (OHM) site. The OHM site address is 12527 West Hampton Avenue, Butler, Wisconsin.

More site-specific information about the Subject Property may be found in:

- The case file (BRRTS# 02-68-539238) in the Wisconsin Department of Natural Resources (WDNR) Milwaukee Service Center
- WDNR BRRTS on the Web for the OHM site case file (BRRTS# 02-68-539238): http://dnr.wi.gov/botw/SetUpBasicSearchForm.do; and
- The WDNR project manager for Waukesha County.

Description of Contamination

Soil contaminated by CVOCs is located to a depth of nine feet below grade surface (ft bgs) at the OHM site. Groundwater contaminated by CVOCs above the NR 140 Enforcement Standard (ES) is located at depths ranging from 7 ft bgs to 36 ft bgs at the OHM site. The extent of the soil and groundwater contamination is shown on the attached Figures 1 and 2.

In May 2010, one sub-slab depressurization system (SSDS) was installed in the OHM site building basement to further mitigate the potential for vapor intrusion. This system will continue to operate following case closure. Prior to the installation of the SSDS, indoor air samples collected from the 12523 West Hampton Avenue building exceeded the U. S. Environmental Protection Agency (U.S. EPA) Region 3 Non-Residential Indoor Air Action Level of (NRIAAL) of 21 $\mu g/m^3$ for tetrachloroethene (PCE), which is one of the CVOCs detected in soil and groundwater at the OHM site. Following installation of the SSDS in the OHM site, PCE indoor air levels in the subject property building were found to have decreased by 93 percent, reducing indoor air PCE to below the below the U.S. EPA Region 3 NRIAAL.

Description of the Engineered Barrier to be maintained

The permanent engineered barrier consists of the existing concrete building floor slab and foundation on the Subject Property. The extent of the barrier is shown on the attached Figure 3. The permanent engineered barrier will serve as a barrier to mitigate vapor intrusion from the CVOC impacted soil and groundwater at the OHM site that might otherwise pose a threat to human health. Based on the current and future use of the Subject Property, the barrier should function as intended unless disturbed.

Annual Inspection

The existing concrete building foundation at the Subject Property as depicted in Figure 3 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 vapors from the impacted soils and groundwater at the OHM site. The inspections will be performed by the Subject 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 and where vapor intrusion from the subsurface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is attached (see the attached Cap Inspection Log). The log will include recommendations for necessary repair of any such areas. 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 Subject Property owner and available for submittal or inspection by WDNR representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. The Subject Property owner must 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 existing concrete at the Subject Property is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The Subject Property owner, in order to maintain the integrity of the permanent engineered barrier, 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 WDNR Prior to Actions Affecting the Cap

The following activities are prohibited on any portion of the Subject Property where the permanent engineered barrier is required as shown on the attached map, unless prior written approval has been obtained from the WDNR: 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

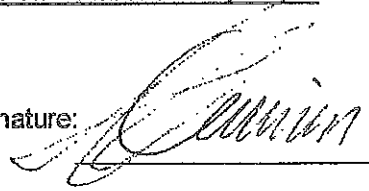
This Maintenance Plan can be amended or withdrawn by the Subject Property owner and its successors with the written approval of WDNR.

Contact Information

December 2012

OHM Site Owner and Operator:

Mr. Tom Grimm
12527 West Hampton Avenue
Butler, Wisconsin 53007
(414) 254-9709

Signature: 

Subject Property Owner:

Ms. Nancy Hyndman
Hyndman Enterprises, LLC
12521 W. Hampton
Butler, WI 53007
Phone: (262) 252-2500

Signature:

Consultant:

Mr. Brian Maillet
ARCADIS U.S., Inc.
126 N. Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Phone: (414) 276-7742

WDNR:

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

Contact Information

December 2012

OHM Site Owner and Operator:

Mr. Tom Grimm
12527 West Hampton Avenue
Butler, Wisconsin 53007
(414) 254-9709

Signature: _____

Subject Property Owner:

Ms. Nancy Hyndman
Hyndman Enterprises, LLC
12521 W. Hampton
Butler, WI 53007
Phone: (262) 252-2500

Signature: Nancy Hyndman

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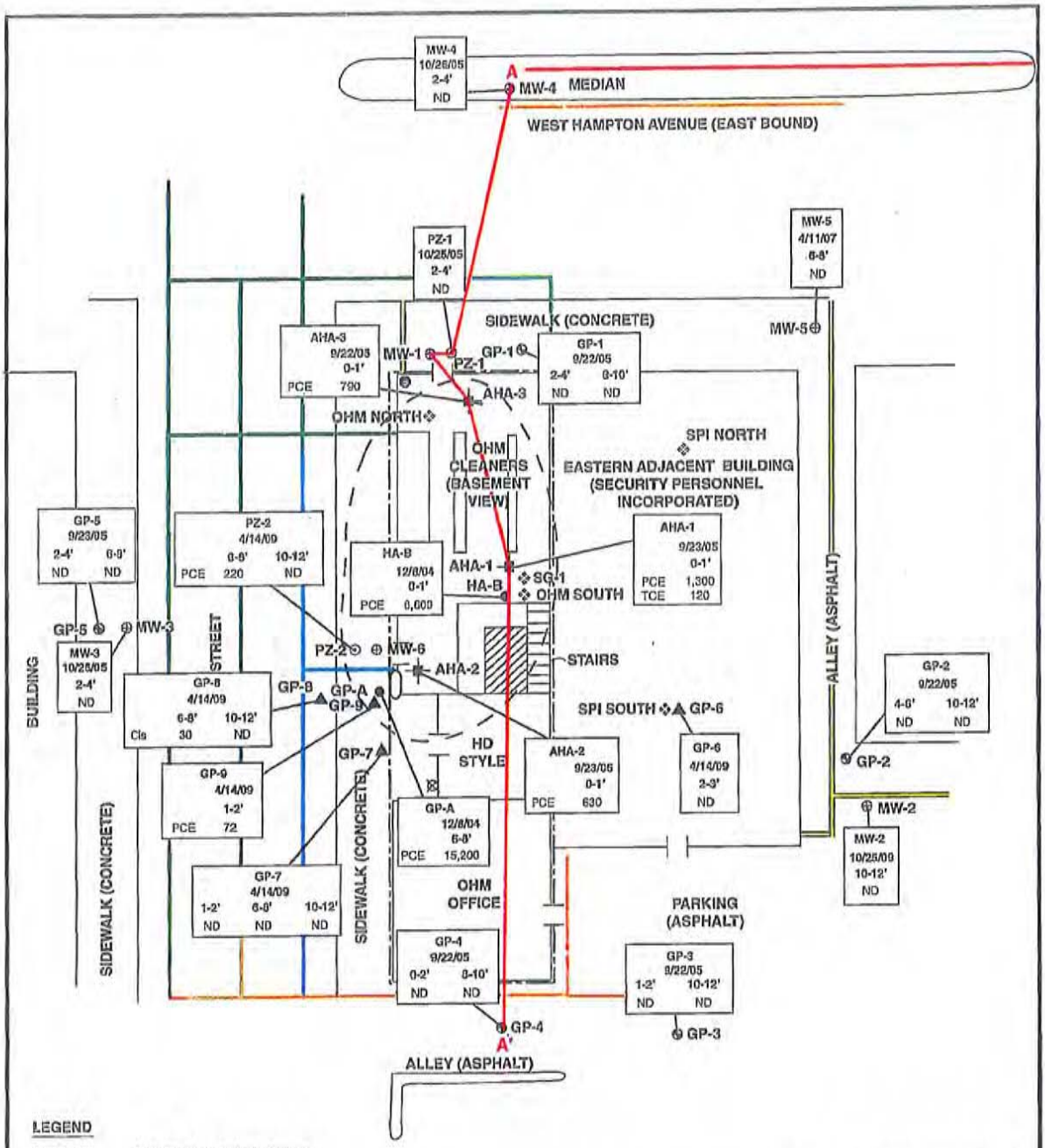
WDNR:

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

Barrier INSPECTION and MAINTENANCE LOG

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



LEGEND

- DRY CLEANING MACHINE
- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (installed 4/09)
- Extent of PCE Impacted Soil
- SUMP
- SOIL VAPOR PROBE
- FORMER CONTAINER STORAGE AREA
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

(4-6') SAMPLE DEPTH INTERVAL (feet below land surface)

CVOC Chlorinated Volatile Organic Compound
Cis Cis-1,2-Dichloroethene
PCE Tetrachloroethene
TCE Trichloroethene
ND No Detections Above Laboratory Reporting Limit

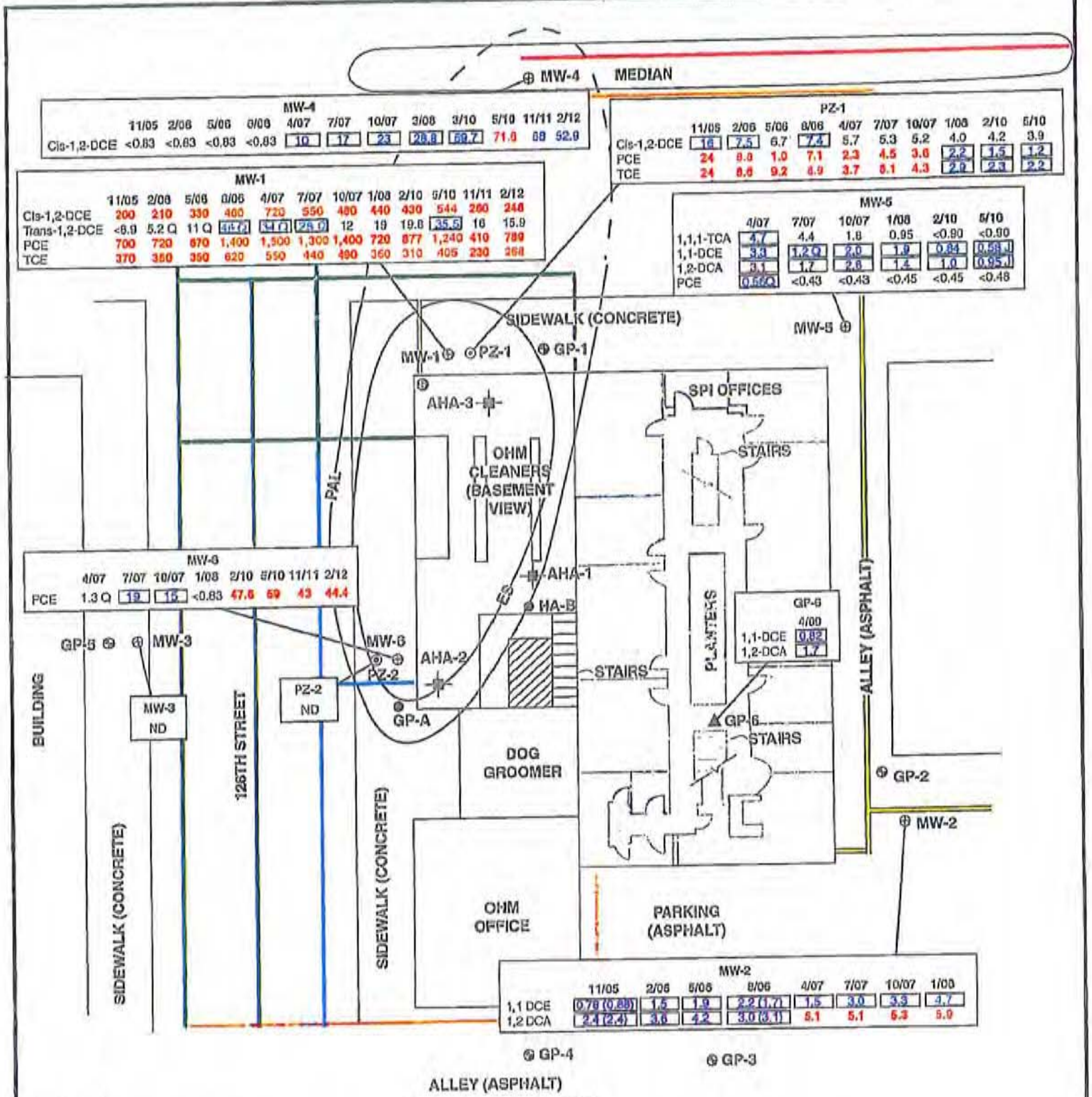
Concentrations in micrograms per kilogram.

12523 WEST HAMPTON
BUTLER, WISCONSIN

CVOC DETECTIONS IN SOILS

ARCADIS

FIGURE 1



LEGEND

- DRY CLEANING MACHINE
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SUMP
- SOIL BORING (installed 4/09)
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS
- ESTIMATED EXTENT OF CVOC IMPACTED GROUNDWATER RELATED TO THE SITE
- ND — No detections above laboratory detection limits.
- ☐ — Concentration exceeds NR 140 PAL.
- BOLD — Concentration exceeds NR 140 ES.
- J — Concentration falls between the laboratory detection limit and the limit of quantitation.

		ES	PAL
1,1-DCE	1,1-Dichloroethene	7	0.7
1,2-DCA	1,2-Dichloroethane	5	0.5
Cis-1,2-DCE	Cis-1,2-Dichloroethene	70	7.0
Trans-1,2-DCE	Trans-1,2-Dichloroethene	100	20
1,1,1-TCA	1,1,1-Trichloroethane	200	40
PCE	Tetrachloroethene	5	0.5
TCE	Trichloroethene	5	0.5

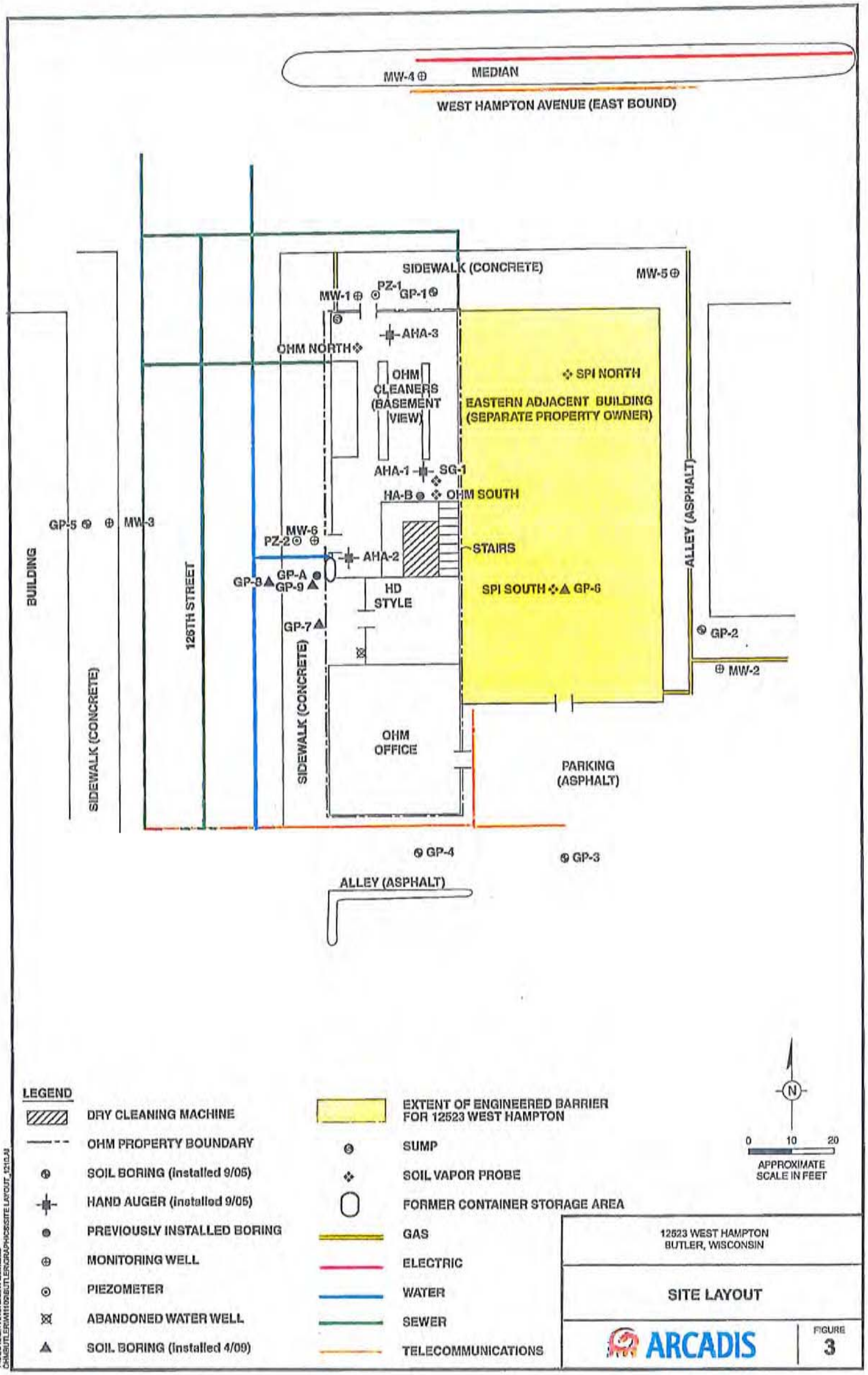
Concentrations in micrograms per liter (µg/L)

12523 WEST HAMPTON
BUTLER, WISCONSIN

SUMMARY OF MONITORING WELL GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ARCADIS

FIGURE 2


MEDIAN
MW-4
WEST HAMPTON AVENUE (EAST BOUND)
SIDEWALK (CONCRETE)
MW-5
MW-1
PZ-1
GP-1
AHA-3
OHM NORTH
OHM CLEANERS (BASEMENT VIEW)
SPI NORTH
EASTERN ADJACENT BUILDING (SEPARATE PROPERTY OWNER)
AHA-1
SG-1
HA-B
OHM SOUTH
GP-5
MW-3
MW-6
PZ-2
AHA-2
STAIRS
BUILDING
126TH STREET
GP-8
GP-A
GP-9
HD STYLE
SPI SOUTH
GP-6
ALLEY (ASPHALT)
GP-7
GP-2
MW-2
SIDEWALK (CONCRETE)
SIDEWALK (CONCRETE)
OHM OFFICE
PARKING (ASPHALT)
GP-4
GP-3
ALLEY (ASPHALT)
N
0 10 20
APPROXIMATE SCALE IN FEET
LEGEND
DRY CLEANING MACHINE
OHM PROPERTY BOUNDARY
SOIL BORING (installed 9/05)
HAND AUGER (installed 9/05)
PREVIOUSLY INSTALLED BORING
MONITORING WELL
PIEZOMETER
ABANDONED WATER WELL
SOIL BORING (installed 4/09)
EXTENT OF ENGINEERED BARRIER FOR 12523 WEST HAMPTON
SUMP
SOIL VAPOR PROBE
FORMER CONTAINER STORAGE AREA
GAS
ELECTRIC
WATER
SEWER
TELECOMMUNICATIONS
12523 WEST HAMPTON
BUTLER, WISCONSIN
SITE LAYOUT
ARCADIS
FIGURE
3

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name

BRRTS No.

Inspections are required to be conducted (see closure approval letter):

- ◯ annually
- ◯ semi-annually
- ◯ other – specify ____________________

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

OFF-SOURCE
A
PROPERTY

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

WISCONSIN
DEPT. OF NATURAL RESOURCES

July 1, 2014

Ms. Nancy Hyndman
Hyndman Enterprises, LLC
12521 W. Hampton Ave.,
Butler, WI 53007

SUBJECT: Continuing Obligations and Property Owner Requirements for 12523 W. Hampton Ave., Butler, WI
Parcel Identification Number: BV1009021
Final Case Closure for One Hour Martinizing at 12527 W. Hampton Ave., Butler, WI
DNR BRRTS Activity #: 02-68-539238 FID#268147990

Dear Ms. Hyndman:

The purpose of this letter is to notify you that certain continuing obligations apply to the property at 12523 W. Hampton Ave., Butler, (referred to in this letter as the "Property") due to contamination that has migrated onto the Property. The continuing obligations are part of the cleanup and case closure approved for the above referenced case located at 12527 W. Hampton Ave., Butler, 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 chlorinated volatile organic compounds in soil, groundwater and soil vapor at the source property, based on the information submitted by Arcadis, the consultant who conducted the cleanup action. 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 Thomas Grimm, dated July 1, 2014. However, only the following continuing obligation applies to your Property.

OFF-SOURCE
A
PROPERTY

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats., s. NR 726.15, s. NR 727.07 Wis. Adm. Code)
The building floor slab that exists in the locations shown on the **attached map,** Figure 3, Site Layout, shall be maintained in compliance with the **attached maintenance plan,** *Cap Maintenance Plan, December 17, 2012*, in order to provide a vapor barrier which will prevent or limit vapor intrusion into the building. The barrier must be maintained in compliance with the maintenance plan. Inspections shall be conducted annually and recorded on Form 4400-305 (attached). The maintenance and inspection log for the Property must be kept up-to-date and on-site and made available for submittal or inspection to WDNR representatives 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 the building foundation is required, as shown on the **attached map** Figure 3, Site Layout, 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.

Because of the residual soil, groundwater and soil vapor and the continuing obligations, the source property 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.

OFF-SOURCE
A
PROPERTY

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.

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 WDNR, Remediation and Redevelopment, Attn: Environmental Program Associate, 2300 N. Dr. Martin Luther King, Jr. Dr., Milwaukee, WI 53212-3128.

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.

Under s. 292.13, Wis. Stats., owners of properties affected by contamination from another property are generally exempt from investigating or cleaning up a hazardous substance discharge that has migrated onto a property from another property, through the soil, groundwater, vapor or sediment pathway. However, the exemption under s. 292.13, Wis. Stats., does not exempt the property owner from the responsibility to maintain a continuing obligation placed on the property in accordance with s. 292.12, Wis. Stats. To maintain this exemption, that statute requires the current property owner and any subsequent property owners to meet the conditions in the statute, including:

- Granting reasonable access to DNR or responsible party, or their contractors;
- Avoiding interference with response actions taken; and
- Avoiding actions that make the contamination worse (e.g., demolishing a structure and causing or worsening the discharges to the environment).

The Department appreciates your cooperation. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Nancy Ryan at (414) 263-8533 or at nancy.ryan@wisconsin.gov.

Sincerely,

Pamela A. Mylotta, Team Supervisor
Southeast Region Remediation & Redevelopment Team Supervisor

Attach. – Final Case Closure with Continuing Obligations letter, July 1, 2014 BRRTS Activity#02-68-539238
Cap Maintenance Plan, December 17, 2012 (for the property at 12523 W. Hampton Ave., Butler, Wis.)

cc: SER case file
Thomas Grimm
Ed Buc, Arcadis – electronic copy only

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

RIGHT-OF-WAY

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

WISCONSIN DEPT. OF NATURAL RESOURCES

July 1, 2014

Ms. Kayla Chadwick, Village Administrator/Clerk
Village of Butler
12621 West Hampton Ave.
Butler, WI 53007-1791

SUBJECT: Final Case Closure for One Hour Martinizing, 12527 W. Hampton Ave., Butler, WI
DNR BRRTS Activity #: 02-68-539238 FID#268147990

Dear Mr. Rhode:

On June 24, 2008, Brian Maillet of Arcadis sent a "Notification of Right-of-Way Soil and Groundwater Contamination" to Mr. Tim Rhode at the Village of Butler. The notification was sent to inform the City of the potential presence of contaminated soil and groundwater in the right-of-ways of 126th St. and W. Hampton Ave. from chlorinated solvents caused by a chemical release at the site listed above. This letter is being sent to inform you that the Department of Natural Resources has closed the case and is requiring no further investigation or remediation at this time.

If groundwater contamination, as outlined on **Figure 2, Summary of Monitoring Well Groundwater Exceedances of WDNR Standards**, is likely to affect water collected in a pit/trench that will require dewatering, a general permit for "Discharge of Contaminated Groundwater from Remedial Action Operations" may be needed. If you or any other person plan to conduct utility or road construction in these areas for which dewatering will be necessary, you or that person must contact the DNR's Water Quality 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.

In addition, if soil is excavated from the areas with residual contamination, as shown in **Figure 1, CVOC Detections in Soils**, the right-of-way holder is responsible for the following:
· determining if contamination is present
· determining whether the material would be considered solid or hazardous waste
· ensuring that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Contaminated soil may be managed in-place, in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. Right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

Information on these cases 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.

If you would like to review any of the letters regarding this site, such as the notification letter, or the final closure letter from the DNR, this information can be found in the BRRTS database. Go to http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, enter 02-68-539238 in the ***Activity Number*** box, and click on **search**. Scroll down to the ***Documents and Images*** section, and click on the ***GIS Registry Packet*** for all documents about the closure of these sites.

If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at (414) 263-8533 or at nancy.ryan@wisconsin.gov.

Sincerely,

Nancy D. Ryan, Hydrogeologist
SER Remediation & Redevelopment Program

Attachments: **Figure 1, CVOC Detections in Soils**
Figure 2, Summary of Monitoring Well Groundwater Exceedances of WDNR Standards

cc: SER case file

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1—1988
WARRANTY DEED

1642730
THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE
WAUKESHA COUNTY, WIS.
1991 APR 12 PM 2:06
REC'D 1291 PAGE 0472

1642730

RETURN TO
Mr. & Mrs. T. Grimm
W204 N9126 Lannon Rd.
Menomonee Falls, WI 53051

BV1009.022
Tax Parcel No:

This Deed made by STEVEN C. BOYSA and GRACE E. BOYSA, husband and wife
Grantor,
and THOMAS F. GRIMM and MARGARET M. GRIMM
Grantee,

Witnesseth, That the said Grantor, for a valuable consideration
conveys to Grantee the following described real estate in Waukesha
County, State of Wisconsin:

The West 30.10 feet of Lot Six (6) in Block Thirty-one (31), Plat of New Butler, being a part of the Southeast One-quarter (1/4) of Section Thirty-six (36), Township Eight (8) North, Range Twenty (20) East, and the Northeast One-quarter (1/4) of Section One (1), Township Seven (7) North, Range Twenty (20) East, in the Village of Butler, Waukesha County, Wisconsin.

480.00
FEE

This is not homestead property.
~~(is)~~ (is not)

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Steven C. Boysa and Grace E. Boysa
warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and recorded easements for public utilities, recorded building restrictions and taxes from January 1, 1991,

and will warrant and defend the same.

Dated this 27th day of March, 19 91

(SEAL)
*
(SEAL)
*

Steven C. Boysa (SEAL)
Grace E. Boysa (SEAL)

AUTHENTICATION

Signature(s) of Steven C. Boysa and Grace E. Boysa
authenticated this 27 day of March, 19 91
* Robert B. Peregrine
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Robert B. Peregrine

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
County.
Personally came before me this day of , 19 the above named
to me known to be the person who executed the foregoing instrument and acknowledge the same.
*
Notary Public County, Wis.
My Commission is permanent. (If not, state expiration date: , 19)

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

823 W. ATKINSON AVENUE
PHONE CONCORD 3782
MILWAUKEE

HAROLD W. WARD
ENGINEER AND SURVEYOR
MILWAUKEE 6, WISCONSIN
OZAUKEE COUNTY SURVEYOR

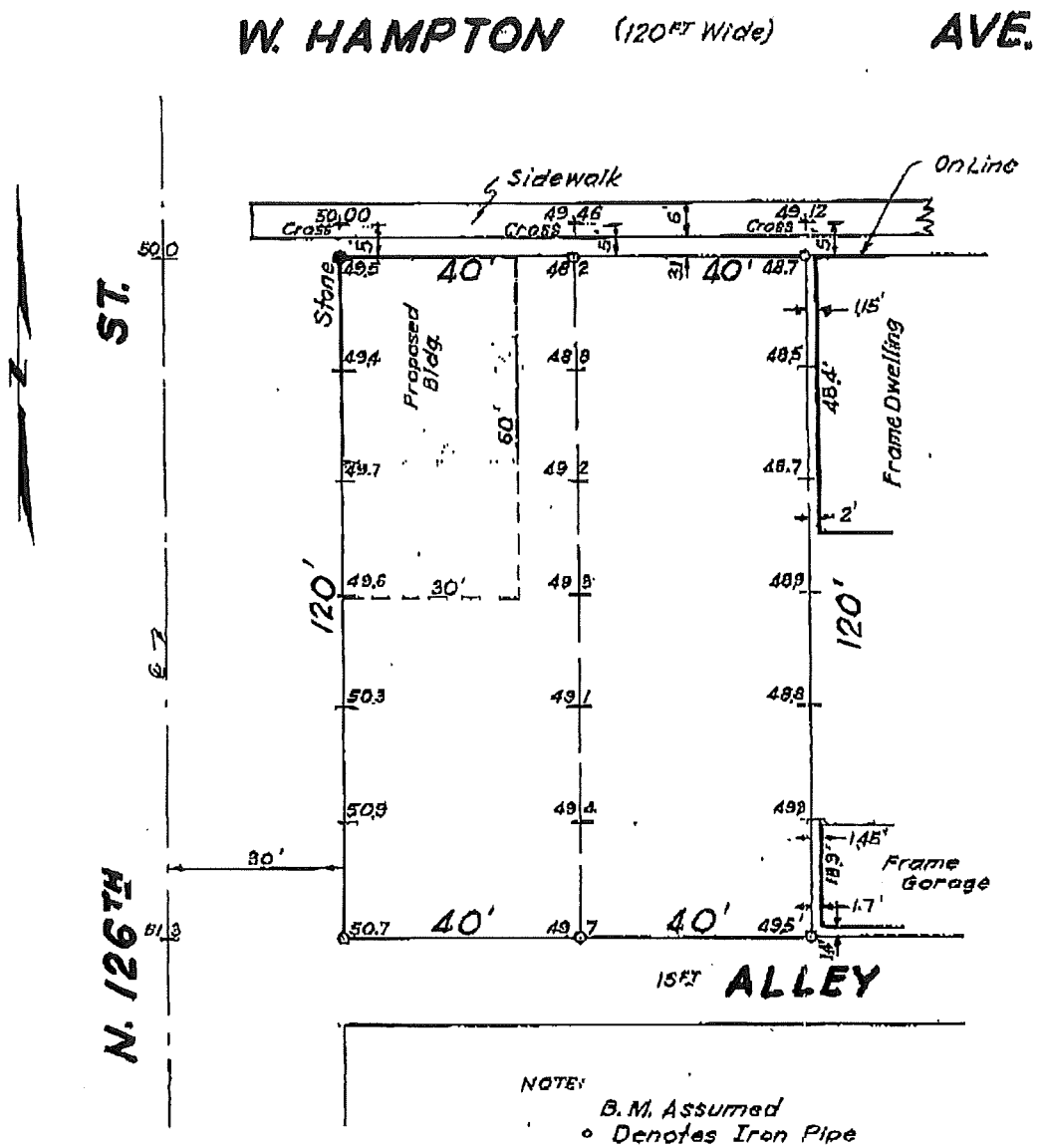
THIENSVILLE, WISCONSIN
THIENSVILLE 869

WCPS0063953

PLAT OF SURVEY

PROPERTY AT W. HAMPTON AVE. F. J. MALONE (OWNER)

LEGAL DESCRIPTION LOTS 5 AND 6, BLOCK 31, PLAT OF TOWNSITE CITY OF NEW BUTLER, IN NE ¼ OF SEC. 1, T. 7 N., R. 20 E., WAUKESHA COUNTY, WIS. SCALE 1"=25'



State of Wisconsin, County of Milwaukee } ss.

I hereby certify that on the 20th day of March 1948 I have surveyed the property described above according to the official records and that the above plat is a correct representation of the boundary lines and measurements and the principal lines and measurements of all buildings and other structures thereon.

Plat No. 48-289

Signed Harold W. Ward
Engineer and Surveyor

Nancy Ryan
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212

Subject:
Deed Certification for Geographic Information System (GIS) Registry, One Hour Martinizing, Butler, Wisconsin.
BRRTS No. 02-68-539238
WDNR FID No. 268147990

Dear Ms. Ryan:

I, Tom Grimm do hereby certify that to the best of my knowledge, the legal descriptions included for the following properties:

12527 West Hampton Avenue, Butler, Wisconsin (Tax Key No. BV 1009022)

12523 West Hampton Avenue, Butler, Wisconsin (Tax Key No. BV1009021)

are complete and accurate for the purpose of registering this site onto the Wisconsin Geographic Information System (GIS) Registry of Closed Remediation Sites.

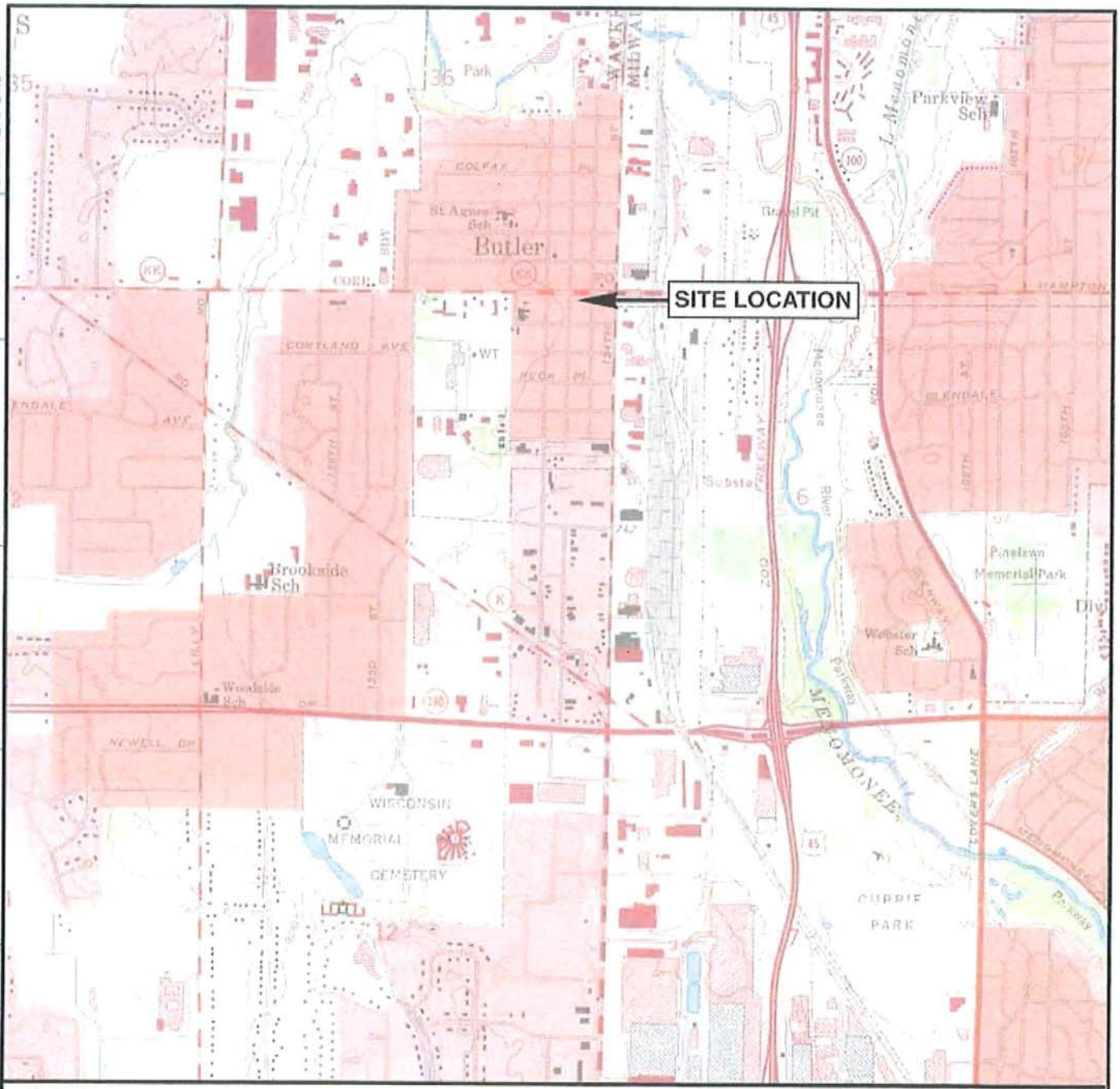
Sincerely,

Tom Grimm

Signed: _____

Title: Mgr.

Date: 4-21-14



SOURCE: USGS 7.5 Minute Topographic Map, WAUWATOSA, WISCONSIN Quadrangle, 1994

N

0 1000 2000 4000

SCALE IN FEET

WISCONSIN

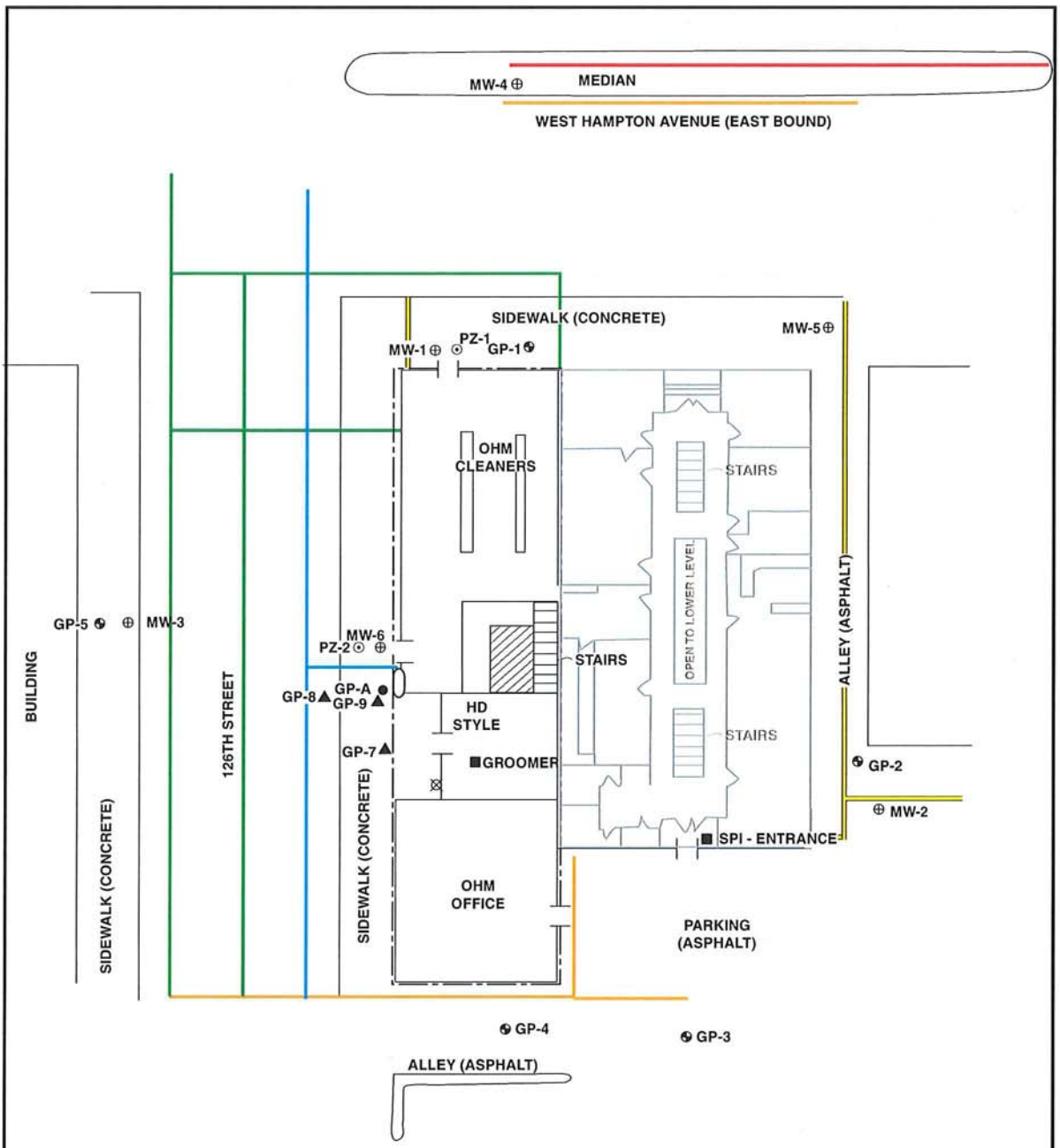
DWG DATE: 19FEB07 | PN: OHMBULTER\WI1109\BUTLER | FILE NO.: GRAPHICS | DRAWING: SITE LOC.AI | CHECKED: BJM | APPROVED: | DRAFTER: LMB

ARCADIS

SITE LOCATION MAP

ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

FIGURE
1



LEGEND

- DRY CLEANING MACHINE
- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (installed 4/09)
- FORMER CONTAINER STORAGE AREA
- AMBIENT AIR SAMPLE
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

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APPROXIMATE SCALE IN FEET

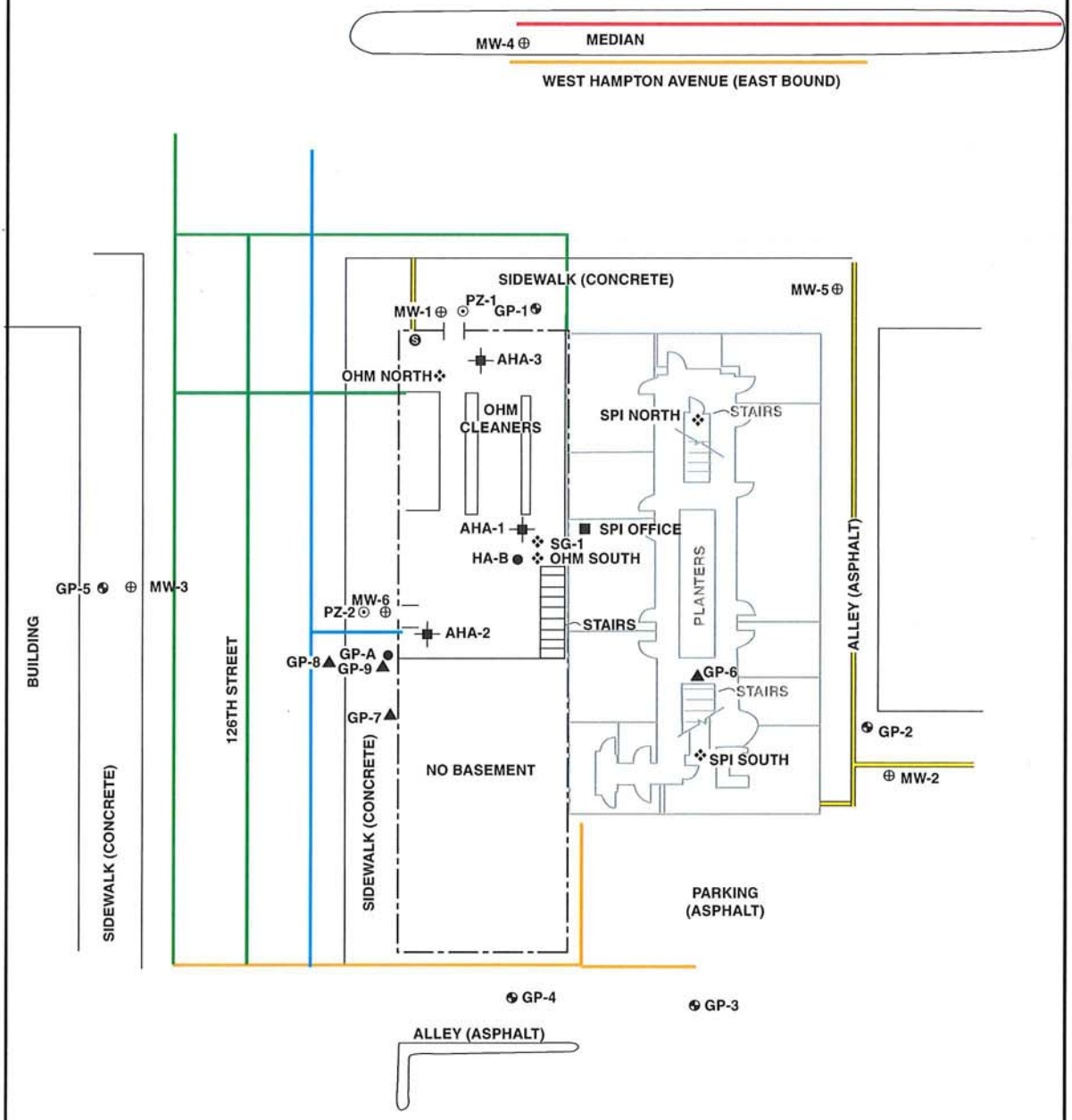
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

SITE LAYOUT GROUND FLOOR VIEW

ARCADIS

FIGURE 2

08MAR10\ENVIRONMENTAL\CB\LMB
OHMBUTLER\WA1109\BUTLER\GRAPHICS\AMBIENT UPPER LEVEL.AI



LEGEND

- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SOIL BORING (installed 4/09)
- SUMP
- SOIL VAPOR PROBE
- AMBIENT AIR SAMPLE
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

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APPROXIMATE SCALE IN FEET

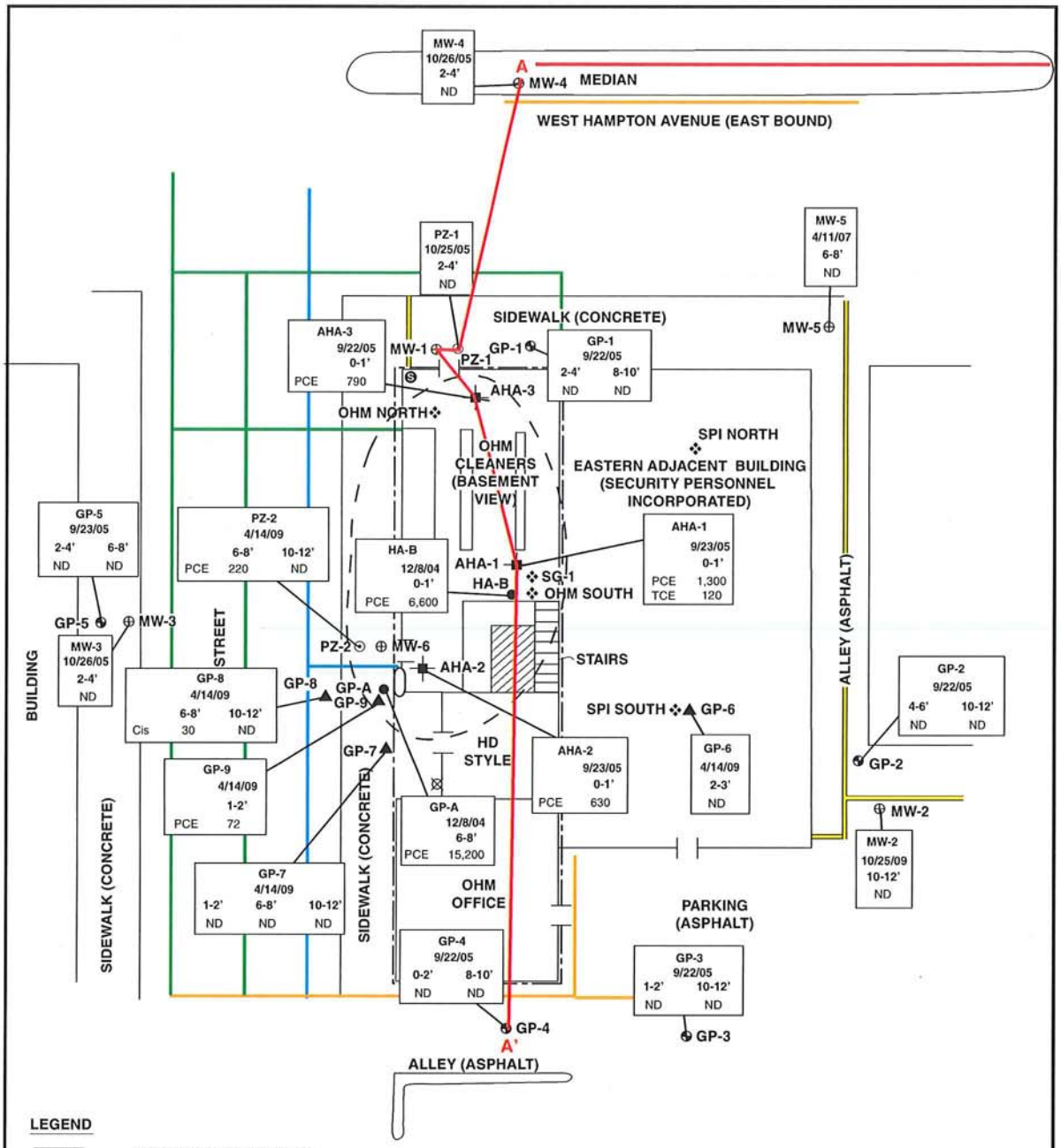
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

SITE LAYOUT BASEMENT VIEW

ARCADIS

FIGURE 3

08MAR10\ENVIRONMENTAL\CB\LMB
OHM\BUTLER\WA1109\BUTLER\GRAPHICS\AMBIENT LOWER LEVEL.AI



LEGEND

- DRY CLEANING MACHINE
- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (installed 4/09)
- Extent of PCE Impacted Soil
- SUMP
- SOIL VAPOR PROBE
- FORMER CONTAINER STORAGE AREA
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

(4-6') SAMPLE DEPTH INTERVAL (feet below land surface)

CVOC Chlorinated Volatile Organic Compound
Cis Cis-1,2-Dichloroethene
PCE Tetrachloroethene
TCE Trichloroethene
ND No Detections Above Laboratory Reporting Limit

Concentrations in micrograms per kilogram.

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APPROXIMATE SCALE IN FEET

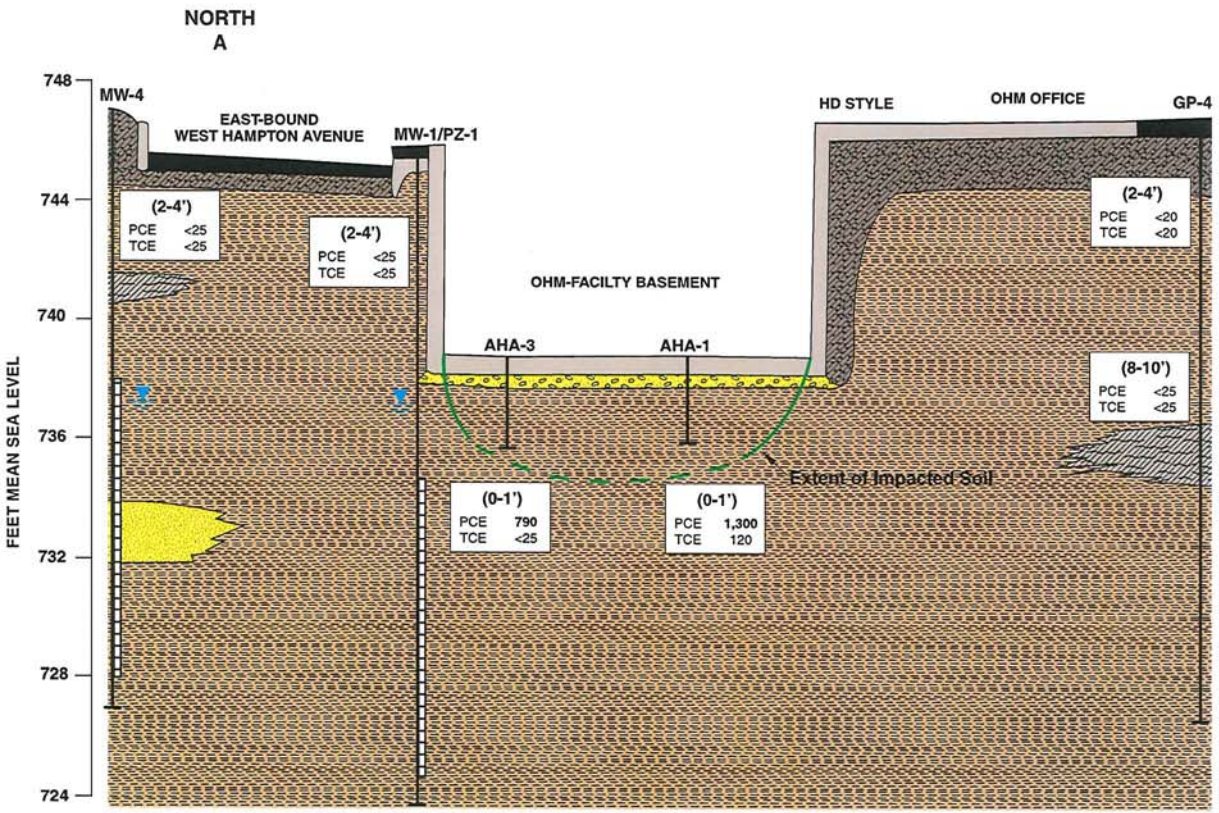
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

CVOC DETECTIONS IN SOILS

ARCADIS

FIGURE 4

13JUNE12ENVIRONMENTAL\PL\LMB
OHMBUTLER\WI1109\BUTLER\GRAPHICS\CVOCS SOIL.AI



FILL - brown silty sand gravel and clay.

CLAY - yellowish brown to greyish brown silty clay/clay trace gravel and sand, cohesive, damp to moist.

SILT - Yellowish brown silt lenses, trace gravel and clay.

SILTY SAND - poorly sorted coarse to fine, wet.

SAND AND GRAVEL - black gravely sand fill.

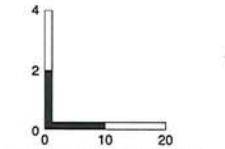
WELL/BORING LOCATION/
SCREENED INTERVAL

WATER LEVEL

PCE Tetrachloroethene
TCE Trichloroethene

BOLD Concentration exceeds either USEPA SSL for soil-to-groundwater and/or ingestion pathways.

Concentrations are in micrograms per kilogram.



APPROXIMATE SCALE IN FEET
VERTICAL EXAGGERATION = ___

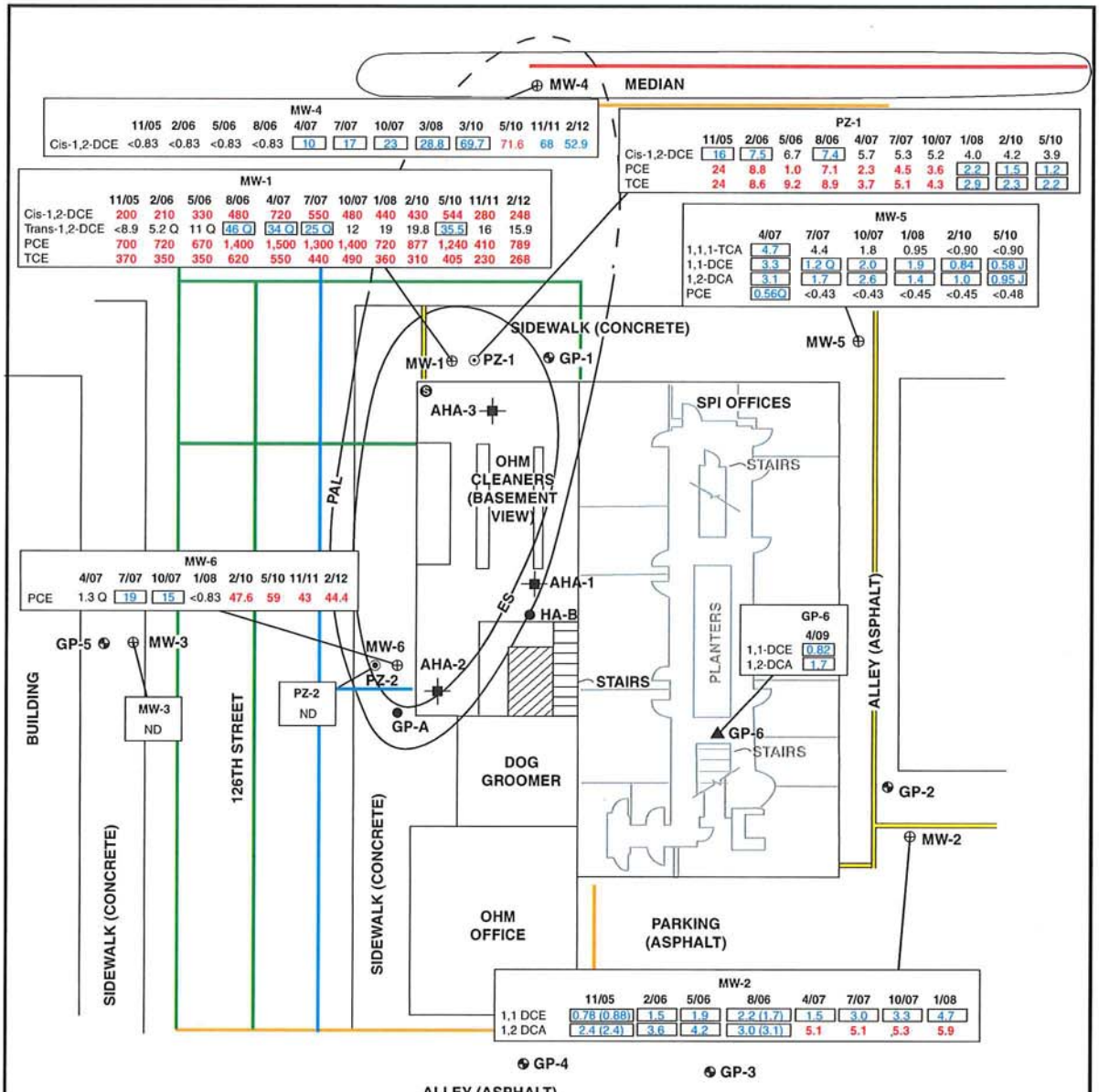
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

NORTH-SOUTH GEOLOGIC CROSS-SECTION

ARCADIS

FIGURE 7

13JUNE12ENVIRONMENTAL(PL)LMB
OHMBUTLER.W1109.BUTLER.GRAPHICS.VSEC A-A_A1



MW-4

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	3/08	3/10	5/10	11/11	2/12
Cis-1,2-DCE	<0.83	<0.83	<0.83	<0.83	10	17	23	28.8	69.7	71.6	68	52.9

PZ-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10
Cis-1,2-DCE	16	7.5	6.7	7.4	5.7	5.3	5.2	4.0	4.2	3.9
PCE	24	8.8	1.0	7.1	2.3	4.5	3.6	2.2	1.5	1.2
TCE	24	8.6	9.2	8.9	3.7	5.1	4.3	2.9	2.3	2.2

MW-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
Cis-1,2-DCE	200	210	330	480	720	550	480	440	430	544	280	248
Trans-1,2-DCE	<8.9	5.2 Q	11 Q	46 Q	34 Q	25 Q	12	19	19.8	35.5	16	15.9
PCE	700	720	670	1,400	1,500	1,300	1,400	720	877	1,240	410	789
TCE	370	350	350	620	550	440	490	360	310	405	230	268

MW-5

	4/07	7/07	10/07	1/08	2/10	5/10
1,1,1-TCA	4.7	4.4	1.8	0.95	<0.90	<0.90
1,1-DCE	3.3	1.2 Q	2.0	1.9	0.84	0.58 J
1,2-DCA	3.1	1.7	2.6	1.4	1.0	0.95 J
PCE	0.56Q	<0.43	<0.43	<0.45	<0.45	<0.48

MW-6

	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
PCE	1.3 Q	19	15	<0.83	47.6	59	43	44.4

GP-6

	4/09
1,1-DCE	0.82
1,2-DCA	1.7

MW-3

ND

PZ-2

ND

MW-2

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08
1,1 DCE	0.78 (0.88)	1.5	1.9	2.2 (1.7)	1.5	3.0	3.3	4.7
1,2 DCA	2.4 (2.4)	3.6	4.2	3.0 (3.1)	5.1	5.1	5.3	5.9

LEGEND

- DRY CLEANING MACHINE
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SUMP
- SOIL BORING (Installed 4/09)
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS
- ESTIMATED EXTENT OF CVOC IMPACTED GROUNDWATER RELATED TO THE SITE

ND — No detections above laboratory detection limits.

BOLD — Concentration exceeds NR 140 PAL.

Concentration exceeds NR 140 ES.

J — Concentration falls between the laboratory detection limit and the limit of quantitation.

		ES	PAL
1,1-DCE	1,1-Dichloroethene	7	0.7
1,2-DCA	1,2-Dichloroethane	5	0.5
Cis-1,2-DCE	Cis-1,2-Dichloroethene	70	7.0
Trans-1,2-DCE	Trans-1,2-Dichloroethene	100	20
1,1,1-TCA	1,1,1-Trichloroethane	200	40
PCE	Tetrachloroethene	5	0.5
TCE	Trichloroethene	5	0.5

Concentrations in micrograms per liter (µg/L)

N

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APPROXIMATE SCALE IN FEET

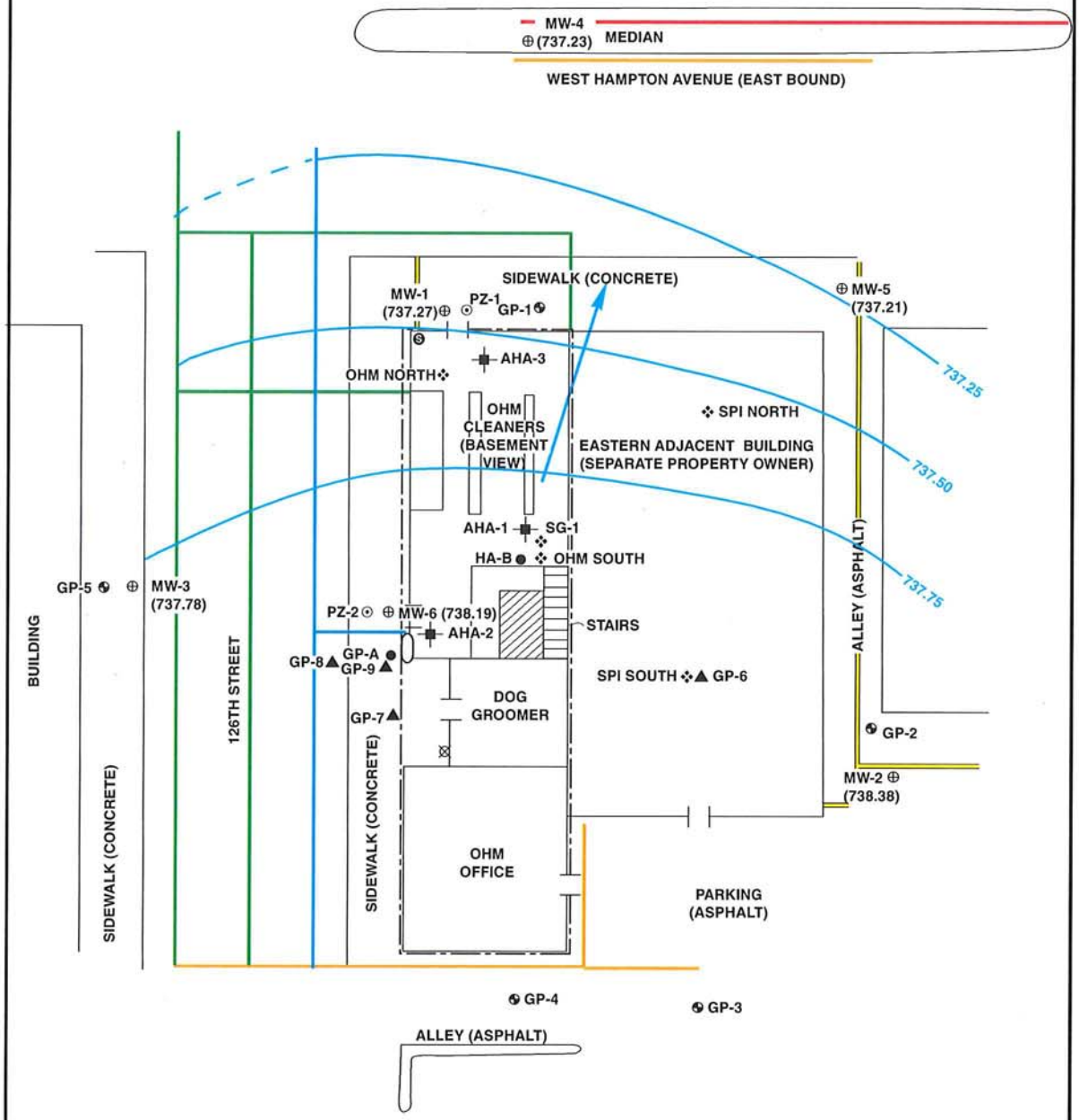
ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

SUMMARY OF MONITORING WELL GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ARCADIS

FIGURE 5

04APR12:ENVIRONMENTAL\CB\LMB
OHMBUTLER\WI109\BUTLER\GRAPHICS\MW_GW_EXCEED 0212.AI



LEGEND

- DRY CLEANING MACHINE
- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (installed 4/09)
- 738 — GROUNDWATER CONTOUR (ft msl)
- (738.24) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- SUMP
- SOIL VAPOR PROBE
- FORMER CONTAINER STORAGE AREA
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

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APPROXIMATE SCALE IN FEET

ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

POTENTIOMETRIC SURFACE MAP
FEBRUARY 8, 2012

ARCADIS

FIGURE 7

06APR12:ENVIRONMENT\BJM\LMB
OHMBUTLER\WI1109\BUTLER\GRAPHICS\POTEN_SURFACE_MAP020612.AI

Table 1. Summary of Soil Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Boring			GP-A	HA-B	GP-1		GP-2		GP-3	
Sample Depth	WDNR RCL		6-8'	0.3-0.6'	2-4'	8-10'	4-6'	10-12'	1-2'	10-12'
Sample Date	GP	NIDC	12/8/04	12/8/04	9/22/05	9/22/05	9/22/05	9/22/05	9/22/05	9/22/05
VOCs										
Tetrachloroethene	4.5	30,700	*15,200*	*6,600*	<25	<25	<25	<25	<25	<25
Trichloroethene	3.6	644	<32	<37	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	41.2	156,000	<32	<37	<25	<25	<25	<25	<25	<25
Laboratory Parameters										
Total Organic Carbon	--	--	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per kilogram (µg/kg), except methanol Blank (µg/L) and Total Organic Carbon (milligrams per kilogram).
Only analytes detected in soil samples are presented.

---	Not calculated/not available.
WDNR RCL	Wisconsin Department of Natural Resources, ch. NR 720 Residual Contaminant Level.
GP	Groundwater Protection RCL
NIDC	Non-Industrial Direct Contact RCL
BOLD	Concentration exceeds NIDC RCL
Italic	Concentration exceeds GP RCL
Q	Result is between the limit of detection and the limit of quantitation.

Table 1. Summary of Soil Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Boring			GP-4		GP-5		AHA-1	AHA-2	AHA-3	MW-2	MW-3
Sample Depth	WDNR RCL		0-2'	8-10'	2-4'	6-8'	0-1	0-1	0-1	10-12	2-4
Sample Date	GP	NIDC	9/22/05	9/22/05	9/23/05	9/23/05	9/23/05	9/23/05	9/23/05	10/25/05	10/26/05
VOCs											
Tetrachloroethene	4.5	30,700	<20	<25	<25	<25	*1,300*	*630*	*790*	<25	<25
Trichloroethene	3.6	644	<20	<25	<25	<25	*120*	<25	<25	<25	<25
cis-1,2-Dichloroethene	41.2	156,000	<20	<25	<25	<25	<25	<25	<25	<25	<25
Laboratory Parameters											
Total Organic Carbon	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per kilogram (µg/kg), except methanol Blank (µg/L) and Total Organic Carbon (milligrams per kilogram).
Only analytes detected in soil samples are presented.

---	Not calculated/not available.
WDNR RCL	Wisconsin Department of Natural Resources, ch. NR 720 Residual Contaminant Level.
GP	Groundwater Protection RCL
NIDC	Non-Industrial Direct Contact RCL
BOLD	Concentration exceeds NIDC RCL
Italic	Concentration exceeds GP RCL
Q	Result is between the limit of detection and the limit of quantitation.

Table 1. Summary of Soil Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Boring			MW-4		MW-5	PZ-1	PZ-2		GP-6
Sample Depth	WDNR RCL		2-4	10-12	6-8	2-4	6-8	10-12	2-3
Sample Date	GP	NIDC	10/26/05	10/26/05	4/11/07	10/25/05	4/11/08	4/11/08	4/14/09
VOCs									
Tetrachloroethene	4.5	30,700	<25	NA	<25	<25	220	<25	<30
Trichloroethene	3.6	644	<25	NA	<25	<25	<25	<25	<30
cis-1,2-Dichloroethene	41.2	156,000	<25	NA	<25	<25	<25	<25	<33
Laboratory Parameters									
Total Organic Carbon	--	--	NA	5,800	NA	NA	NA	NA	NA

Results reported in micrograms per kilogram (µg/kg), except methanol Blank (µg/L) and Total Organic Carbon (milligrams per kilogram).
Only analytes detected in soil samples are presented.

---	Not calculated/not available.
WDNR RCL	Wisconsin Department of Natural Resources, ch. NR 720 Residual Contaminant Level.
GP	Groundwater Protection RCL
NIDC	Non-Industrial Direct Contact RCL
BOLD	Concentration exceeds NIDC RCL
Italic	Concentration exceeds GP RCL
Q	Result is between the limit of detection and the limit of quantitation.

Table 1. Summary of Soil Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Boring			GP-7			GP-8		GP-9	MEOH BLANK			
Sample Depth	WDNR RCL		1-2	6-8	10-12	6-8	10-12	1-2				
Sample Date	GP	NIDC	4/14/09	4/14/09	4/14/09	4/14/09	4/14/09	4/14/09	9/23/05	10/26/05	4/11/08	4/14/09
VOCs												
Tetrachloroethene	4.5	30,700	<30	<30	<30	<30	<34	72	<25	<25	<25	<25
Trichloroethene	3.6	644	<30	<30	<30	<30	<34	<30	<25	<25	<25	<25
cis-1,2-Dichloroethene	41.2	156,000	<30	<30	<30	30	<34	<30	<25	<25	<25	<25
Laboratory Parameters												
Total Organic Carbon	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per kilogram (µg/kg), except methanol Blank (µg/L) and Total Organic Carbon (milligrams per kilogram).
Only analytes detected in soil samples are presented.

---	Not calculated/not available.
WDNR RCL	Wisconsin Department of Natural Resources, ch. NR 720 Residual Contaminant Level.
GP	Groundwater Protection RCL
NIDC	Non-Industrial Direct Contact RCL
BOLD	Concentration exceeds NIDC RCL
Italic	Concentration exceeds GP RCL
Q	Result is between the limit of detection and the limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	ES	PAL	MW-1									
Sample Date			**11/08/05**	**02/09/06**	**05/10/06**	**08/23/06**	**04/19/07**	**07/06/07**	**10/04/07**	**01/15/08**	**02/18/10**	**05/05/10**
VOCs												
Chloromethane	3	0.3	<2.4	<1.2	<2.4	<4.8	<4.8	<4.8	<2.4	<1.2	<2.4	<2.4
1,1-Dichloroethane	850	85	<7.5	<3.8	<7.5	<15	<15	<15	<7.5	<3.8	<7.5	<7.5
1,2-Dichloroethane	5	0.5	<3.6	<1.8	<3.6	<7.2	<7.2	<7.2	<3.6	<1.8	<3.6	<3.6
1,1-Dichloroethene	7	0.7	<5.7	<2.8	<5.7	<11	<11	<11	<5.7	<2.8	<5.7	<5.7
cis-1,2-Dichloroethene	70	7	**200**	**210**	**330**	**480**	**720**	**550**	**490**	**440**	**430**	**544**
trans-1,2-Dichloroethene	100	20	<8.9	5.2 Q&	11 Q	46 Q	34 Q	25 Q	12	19	19.8	35.5
Fluorotrichloromethane	3,490	698	<7.9	<4	<7.9	<16	<16	<16	<7.9	<4.0	<7.9	<7.9
Methylene Chloride	5	0.5	<4.3	<2.2	<4.3	<8.6	<8.6	<8.6	<4.3	<2.2	<4.3	<4.3
Tetrachloroethene	5	0.5	**700**	**720**	**670**	**1,400**	**1,500**	**1,300**	**1,400**	**720**	**877**	**1,240**
1,1,1-Trichloroethane	200	40	<9	<4.5	<9	<18	<18	<18	<9.0	<4.5	<9.0	<9.0
Trichloroethene	5	0.5	**370**	**350**	**350**	**620**	**550**	**440**	**490**	**360**	**310**	**405**
Natural Attenuation Parameters												
Ethane	--	--	NA	NA	NA	NA	0.25	0.33	NA	NA	NA	NA
Ethene	--	--	NA	NA	NA	NA	0.077	0.11	NA	NA	NA	NA
Methane	--	--	NA	NA	NA	NA	7.6	17	NA	NA	NA	NA
TOC as NPOC (mg/L)	--	--	2.1 Q	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-1 (continued)		MW-2								
Sample Date	**11/30/11**	**02/08/12**	**11/07/05**	**11/07/05**	**02/08/06**	**05/10/06**	**08/22/06**	**8/22/06 DUP**	**04/20/07**	**07/06/07**	**7/6/07 DUP**
VOCs											
Chloromethane	<0.30	<2.4	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	0.50 Q	<0.24	<0.24
1,1-Dichloroethane	<0.50	<7.5	8.4	8.8	11	11	10	10	9.8	11	10
1,2-Dichloroethane	<0.50	<3.6	2.4	2.4	3.6	4.2	3	3.1	**5.1**	**5.1**	4.9
1,1-Dichloroethene	0.83 Q	<5.7	0.78 Q	0.88 Q	1.5 Q	1.9	2.2	1.7 Q	2.5	3	3
cis-1,2-Dichloroethene	**280**	**248**	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
trans-1,2-Dichloroethene	16	15.9	<0.89	<0.89	<0.89 &	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Fluorotrichloromethane	<0.50	<7.9	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<1.0	<4.3	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Tetrachloroethene	**410**	**789**	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
1,1,1-Trichloroethane	<0.50	<9.0	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Trichloroethene	**230**	**268**	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	0.48 Q
Natural Attenuation Parameters											
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.046	NA
Ethene	NA	NA	NA	NA	NA	NA	NA	NA	0.04	0.044	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	29	28	NA
TOC as NPOC (mg/L)	NA	NA	3.7	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-2 (continued)			MW-3							
Sample Date	**10/03/07**	**10/3/07 DUP**	**01/15/08**	**11/07/05**	**02/08/06**	**05/10/06**	**08/22/06**	**04/19/07**	**07/05/07**	**10/03/07**	**01/09/08**
VOCs											
Chloromethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	11	11	11	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,2-Dichloroethane	**5.3**	**5.5**	**5.9**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.56	<0.36
1,1-Dichloroethene	3.3	3.4	4.7	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
cis-1,2-Dichloroethene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
trans-1,2-Dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89 &	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<0.43	<0.43	0.56	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	0.61
Tetrachloroethene	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
1,1,1-Trichloroethane	<0.90	<0.90	<0.90	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.90	<0.90
Trichloroethene	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Natural Attenuation Parameters											
Ethane	NA	NA	NA	NA	NA	NA	NA	0.11	0.13	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	NA	<0.025	<0.025	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	47	23	NA	NA
TOC as NPOC (mg/L)	NA	NA	NA	3.1	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-4										
Sample Date	**11/07/05**	**02/08/06**	**05/10/06**	**08/22/06**	**04/20/07**	**07/05/07**	**10/03/07**	**03/20/08**	**03/10/10**	**05/05/10**	**05/05/10 DUP**
VOCs											
Chloromethane	<0.24	<0.24	<0.24	<0.24	0.33 Q	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,2-Dichloroethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,1-Dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
cis-1,2-Dichloroethene	<0.83	<0.83	<0.83	<0.83	10	17	23	28.8	69.7	**72.9**	**71.6**
trans-1,2-Dichloroethene	<0.89	<0.89 &	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	1.1	1.4	1.4
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Tetrachloroethene	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
1,1,1-Trichloroethane	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.90	<0.90	<0.90	<0.90	<0.90
Trichloroethene	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Natural Attenuation Parameters											
Ethane	NA	NA	NA	NA	0.16	0.16	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	0.033	0.038	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	31	33	NA	NA	NA	NA	NA
TOC as NPOC (mg/L)	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-4 (continued)				MW-5				
Sample Date	**11/30/11**	**11/30/11 DUP**	**02/08/12**	**02/08/12 DUP**	**04/19/07**	**07/05/07**	**10/04/07**	**01/09/08**	**02/18/10**
VOCs									
Chloromethane	<0.30	<0.30	<0.24	<0.24	0.39 Q	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	<0.50	<0.50	<0.75	<0.75	1.5 Q	1.4 Q	1.7	1.4	0.85 J
1,2-Dichloroethane	<0.50	<0.50	<0.36	<0.36	3.1	1.7	2.6	<0.56	1
1,1-Dichloroethene	<0.50	<0.50	<0.57	<0.57	3.3	1.2 Q	2	1.9	0.84 J
cis-1,2-Dichloroethene	68	69	52.9	51.7	<0.83	<0.83	<0.83	<0.83	<0.83
trans-1,2-Dichloroethene	1.6 Q	1.7 Q	1.2	1.1	<0.89	<0.89	<0.89	<0.89	<0.89
Fluorotrichloromethane	<0.50	<0.50	<0.79	<0.79	6.9	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<1.0	<1.0	<0.43	<0.43	0.56 Q	<0.43	<0.43	<0.43	<0.43
Tetrachloroethene	<0.50	<0.50	<0.45	<0.45	0.50 Q	<0.45	<0.45	<0.45	<0.45
1,1,1-Trichloroethane	<0.50	<0.50	<0.90	<0.90	47	4.4	1.8	0.95	<0.90
Trichloroethene	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Natural Attenuation Parameters									
Ethane	NA	NA	NA	NA	0.085	0.093	NA	NA	NA
Ethene	NA	NA	NA	NA	0.13	0.11	NA	NA	NA
Methane	NA	NA	NA	NA	12	7.4	NA	NA	NA
TOC as NPOC (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-5 (continued)		MW-6							
Sample Date	**2/18/10 DUP**	**05/05/10**	**04/20/07**	**07/05/07**	**10/04/07**	**01/09/08**	**1/9/2008 DUP**	**02/18/10**	**05/05/10**	**11/30/11**
VOCs										
Chloromethane	<0.24	<0.24	0.56 Q	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.30
1,1-Dichloroethane	0.80 J	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.50
1,2-Dichloroethane	0.97 J	0.95 J	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.50
1,1-Dichloroethene	0.87 J	0.58 J	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.50
cis-1,2-Dichloroethene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.50
trans-1,2-Dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.20	<0.82	<0.50
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.50
Methylene Chloride	<0.43	<0.43	<0.43	<0.43	<0.43	0.64	0.69	<0.43	<0.43	<1.0
Tetrachloroethene	<0.45	<0.45	1.3 Q	**19**	**15**	**23**	**23**	**47.6**	**59**	**43**
1,1,1-Trichloroethane	<0.90	<0.90	<0.9	<0.9	<0.90	<0.90	<0.90	<0.90	<0.90	<0.50
Trichloroethene	<0.48	<0.48	<0.48	0.48 Q	<0.48	<0.48	<0.48	<0.48	<0.48	0.23 J
Natural Attenuation Parameters										
Ethane	NA	NA	0.047	0.1	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	0.061	0.13	NA	NA	NA	NA	NA	NA
Methane	NA	NA	1.2	3.8	NA	NA	NA	NA	NA	NA
TOC as NPOC (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	MW-6 (continued)	PZ-1									
Sample Date	**02/08/12**	**11/09/05**	**02/09/06**	**05/10/06**	**08/23/06**	**04/20/07**	**07/07/07**	**10/4/07**	**1/15/08**	**2/18/10**	**5/5/10**
VOCs											
Chloromethane	<0.24	<0.24	<0.24	<0.24	<0.24	0.61 Q	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.57
1,2-Dichloroethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,1-Dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
cis-1,2-Dichloroethene	<0.83	16	7.5	6.7	7.4	5.7	5.3	5.20	4.00	4.20	3.90
trans-1,2-Dichloroethene	<0.89	<0.89	<0.89 &	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Tetrachloroethene	**44.4**	**24**	**8.8**	**10**	**7.1**	2.3	4.5	3.6	2.2	1.5	1.2
1,1,1-Trichloroethane	<0.90	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.90	<0.90	<0.90	<0.90
Trichloroethene	<0.48	**24**	**8.6**	**9.2**	**8.9**	3.7	**5.1**	4.3	2.9	2.3	2.2
Natural Attenuation Parameters											
Ethane	NA	NA	NA	NA	NA	0.053	0.096	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	0.027	<0.025	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	1.2	3	NA	NA	NA	NA
TOC as NPOC (mg/L)	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	PZ-2				TRIP BLANK						
Sample Date	**04/19/07**	**07/05/07**	**10/03/07**	**01/09/08**	**11/07/05**	**02/08/06**	**05/10/06**	**08/23/06**	**04/20/07**	**07/05/07**	**10/03/07**
VOCs											
Chloromethane	0.63 Q	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
1,2-Dichloroethane	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,1-Dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
cis-1,2-Dichloroethene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
trans-1,2-Dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89 &	<0.89	<0.89	<0.89	<0.89	<0.89
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Methylene Chloride	<0.43	<0.43	<0.43	0.63	<0.43	<0.43	<0.43	<0.43	1.6	1.0 Q	<0.43
Tetrachloroethene	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
1,1,1-Trichloroethane	<0.9	<0.9	<0.90	<0.90	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.90
Trichloroethene	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	0.68 Q	<0.48
Natural Attenuation Parameters											
Ethane	0.33	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	0.18	0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	44	42	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC as NPOC (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 2. Summary of Groundwater Analytical Results and Comparison to WDNR Standards, One Hour Martinizing, Butler, Wisconsin.

Name	TRIP BLANK (continued)				
Sample Date	**01/09/08**	**02/18/10**	**05/05/10**	**11/30/11**	**02/08/12**
VOCs					
Chloromethane	<0.24	<0.24	<0.24	<0.30	<0.24
1,1-Dichloroethane	<0.75	<0.75	<0.75	<0.50	<0.75
1,2-Dichloroethane	<0.36	<0.36	<0.36	<0.50	<0.75
1,1-Dichloroethene	<0.57	<0.57	<0.57	<0.50	<0.57
cis-1,2-Dichloroethene	<0.83	<0.83	<0.83	<0.50	<0.83
trans-1,2-Dichloroethene	<0.89	<0.89	<0.89	<0.50	<0.89
Fluorotrichloromethane	<0.79	<0.79	<0.79	<0.50	<0.79
Methylene Chloride	2.2	0.44 J	1.1	<1.0	<0.43
Tetrachloroethene	<0.45	<0.45	<0.45	<0.50	<0.45
1,1,1-Trichloroethane	<0.90	<0.90	<0.90	<0.50	<0.90
Trichloroethene	<0.48	<0.48	<0.48	<0.20	<0.48
Natural Attenuation Parameters					
Ethane	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA
TOC as NPOC (mg/L)	NA	NA	NA	NA	NA

Results reported in micrograms per liter (µg/L) unless otherwise indicated.

	Concentration exceeds the PAL.
BOLD	Concentration exceeds the ES.
ES	Enforcement Standard.
mg/L	Milligrams per liter.
NA	Sample not analyzed for this parameter.
PAL	Preventive Action Limit.
Q	Concentration detected between the laboratory limit of detection and limit of quantitation.

Table 1. Summary of Well Construction and Groundwater Elevation Data, One Hour Martinizing, Butler, Wisconsin.

Monitoring Well	Date	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft msl)	Well Screen Elevation (ft msl)	Depth to Water (ft TOC)	Water Level Elevation (ft msl)
MW-1	11/7/2005	746.28	745.89	725.28	725.28 - 735.28	8.91	736.98
	2/8/2006					8.49	737.40
	5/10/2006					8.51	737.38
	8/22/2006					8.89	737.00
	4/19/2007					8.32	737.57
	10/3/2007					8.63	737.26
	2/18/2010					8.51	737.38
	3/10/2010					8.45	737.44
	5/5/2010					8.25	737.64
	11/30/2011					8.60	737.29
	2/8/2012					8.62	737.27
MW-2	11/7/2005	746.59	746.01	723.59	723.59 - 733.59	8.92	737.09
	2/8/2006					8.22	737.79
	5/10/2006					8.13	737.88
	8/22/2006					8.62	737.39
	4/19/2007					7.90	738.11
	10/3/2007					8.32	737.69
	3/10/2010					7.56	738.45
	5/5/2010					7.94	738.07
	11/30/2011					7.41	738.60
	2/8/2012					7.63	738.38
MW-3	11/7/2005	747.23	746.79	730.23	730.23 - 740.23	9.5	737.29
	2/8/2006					9.1	737.69
	5/10/2006					8.94	737.85
	8/22/2006					9.25	737.54
	4/19/2007					8.78	738.01
	10/3/2007					9.08	737.71
	5/5/2010					8.55	738.24
	2/8/2012					9.01	737.78
MW-4	11/7/2005	747.09	746.77	728.09	728.09 - 738.09	9.81	736.96
	2/8/2006					9.43	737.34
	5/10/2006					9.43	737.34
	8/22/2006					9.85	736.92
	4/19/2007					9.28	737.49
	10/3/2007					9.52	737.25
	3/10/2010					9.36	737.41
	5/5/2010					9.25	737.52
	11/30/2011					10.01	736.76
	2/8/2012					9.54	737.23
MW-5	4/19/2007	745.55	745.12	728.55	728.55 - 738.55	7.42	737.70
	10/3/2007					7.80	737.32
	2/18/2010					8.25	736.87
	3/10/2010					7.58	737.54
	5/5/2010					7.63	737.49
	11/30/2011					8.34	736.78
	2/8/2012					7.91	737.21

Footnotes on Page 2.

Table 1. Summary of Well Construction and Groundwater Elevation Data, One Hour Martinizing, Butler, Wisconsin.

Monitoring Well	Date	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft msl)	Well Screen Elevation (ft msl)	Depth to Water (ft TOC)	Water Level Elevation (ft msl)
MW-6	4/19/2007	746.6	745.73	729.79	729.79 - 739.79	16.33	729.40
	10/3/2007					7.96	737.77
	2/18/2010					7.87	737.86
	3/10/2010					7.97	737.76
	5/5/2010					7.18	738.55
	11/30/2011					7.98	737.75
	2/8/2012					7.54	738.19
PZ-1	11/7/2005	746.3	745.84	705.30	705.3 - 710.3	22.81	723.03
	2/8/2006					NA	NA
	5/10/2006					NA	NA
	8/22/2006					23.15	722.69
	4/19/2007					18.12	727.72
	2/18/2010					18.71	727.13
	3/10/2010					17.53	728.31
	5/5/2010					18.49	727.35
	11/30/2011					18.93	726.91
	2/8/2012					18.2	727.64
PZ-2	4/19/2007	746.52	746.07	706.72	706.72 - 711.72	10.98	735.09
	10/3/2007					22.79	723.28
	2/18/2010					7.27	738.80
	3/10/2010					7.44	738.63
	5/5/2010					7.37	738.70
	11/30/2011					7.30	738.77
	2/8/2012					7.61	738.46

ft Feet.
ft msl Feet above mean sea level.
ft TOC Feet below top of casing.
NA Not available.

Table 3. Summary of Subslab Soil Gas Analytical Results and Comparison to Subslab Soil Gas Screening Levels, One Hour Martinizing, Butler, Wisconsin.

Sample Name Sample Date	Subslab Soil Gas Screening Level	SG-1 12/22/05	OHM North 04/16/09	OHM South 04/16/09	SPI North 04/16/09	SPI South 04/16/09
Acetone	387,867	<12	<5200	<1200	<26	76
Benzene	50.3	1.5	<280	<64	3.1	3.2
Carbon Disulfide	43,096	<1.6	<690	<160	<3.4	11
Chloromethane	--	2.3	<450	<110	<2.3	<2.7
Cyclohexane	--	0.89	<300	<69	<1.5	<1.7
Dichlorodifluoromethane	86,193	4.4	<1100	<250	15	54
1,1-Dichloroethane	--	<0.81	<350	<81	7.3	25
1,2-Dichloroethane	4,736	<0.81	<350	<81	5.7	13
1,1-Dichloroethene	21,548	<0.79	<340	<79	3.4	4.8
1,2-Dichloroethene	3,879	<0.79	1,400	<79	<1.7	5.9
cis-1,2-Dichloroethene	4,310	<0.79	1,400	<79	<1.7	5.9
Ethylbenzene	--	<0.87	<380	<87	3.6	4.3
Freon TF	--	1.5	<670	<150	<3.4	<3.8
n-Heptane	--	1.4	<360	<82	4.9	3.6
n-Hexane	--	2.9	<780	<180	<3.9	<4.6
Methyl Ethyl Ketone	258,578	<1.5	<650	<150	<3.2	19
Toluene	34,477	1.9	<330	<75	24	20
Tetrachloroethene	43.1	81	75,000	18,000	35	33
Trichloroethene	72	<1.1	1,600	350	4.2	24
Trichlorofluoromethane	129,289	2.2	<490	<110	<2.5	<2.8
1,3,5-Trimethylbenzene	21,548	<0.98	<430	<98	2.3	8.8
1,2,4-Trimethylbenzene	--	<0.98	<430	<98	7.4	22
2,2,4-Trimethylpentane	--	1.0	<410	<93	3.3	3.4
Xylene (m,p)	861,928	<2.2	<960	<220	13	15
Xylene (o)	861,928	<0.87	<380	<87	<1.9	6.5
Xylene (total)	--	<0.85	<380	<87	13	22

Results are reported in micrograms per cubic meter ($\mu g/m^3$).
Screening levels based on calculated RBCs from Table 1.
Note: Only analytes detected in vapor samples are presented.
Vapor Probe Samples analyzed for VOCs by U.S. EPA Method TO-15.
-- Not calculated/not available.

Table 4. Summary of Ambient and Indoor Air Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Sample Name	USEPA Region 3	Ambient Air			Indoor Air			
Sample Date	Non-Residential	Roof Intake	Parking Lot	Groomer Outside	SPI-Entrance	SPI- Office		
Units	Indoor Air Action Level	05/20/10	08/13/10	11/30/11	02/18/10	02/18/10	05/20/10	08/13/10
VOCs								
Acetone	16,328	21.9	32.4	2.94	21.7	20	118.9	137.38
Benzene	16	<1.6	<1.6	<0.5	0.84	0.65	**21.2**	<1.6
Chloromethane	390	1.08	1.37	0.64	1.89	1.07	<4.1	<1.2
Dichlorodifluoromethane	880	<32.8	3.4	0.563	11.6	17.6	45.8	133.7
Toluene	22,000	12.8	4.3	0.504	2.5	2.3	78.1	11.4
Tetrachloroethene	21	<3.4	<3.4	<0.5	**29.6**	**54.4**	<13.7	8.8
Trichlorofluoromethane	3,100	<2.9	<2.9	<0.5	<1.1	1.1	<11	<16.6
1,2,4-Trimethylbenzene	31	<2.5	<2.5	0.639	1.45	1.09	<25	1.14
m-Xylene & p-Xylene	1,984	<2.2	<2.2	0.58	1.8	1.4	<22	3.3

Note: Only analytes detected in vapor samples are presented.

Air Samples analyzed for volatile organic compounds (VOCs) by EPA Method TO-15.

Results are reported in micrograms per cubic meter ($\mu g/m^3$).

BOLD Concentration exceeds U.S. EPA Region 3, Non-Residential Indoor Air Action Level.

Table 4. Summary of Ambient and Indoor Air Analytical Results, One Hour Martinizing, Butler, Wisconsin.

Sample Name	Indoor Air (continued)			
Sample Date	Groomer			
Units	02/11/08	05/20/10	08/13/10	11/30/2011
VOCs				
Acetone	15.5	93	197.8	2.87
Benzene	6.5	<16.2	<16.2	<0.5
Chloromethane	1.03	<10.3	<10.3	0.506
Dichlorodifluoromethane	2.0	<25.1	<25.1	<0.5
Toluene	1.03	<19.1	200.3	<0.5
Tetrachloroethene	<3.4	<34.4	**62.6**	<0.5
Trichlorofluoromethane	<1.1	<29	<29	<0.5
1,2,4-Trimethylbenzene	<4.95	<25	<25	<0.5
m-Xylene & p-Xylene	<2.2	<22	<22	<0.5

Note: Only analytes detected in vapor samples are presented.

Air Samples analyzed for volatile organic compounds (VOCs) by EPA Method TO-15.

Results are reported in micrograms per cubic meter ($\mu g/m^3$).

BOLD Concentration exceeds U.S. EPA Region 3, Non-Residential Indoor Air Action Level.

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

Impacted Property Notification Information

Form 4400-246 (R 10/12)

Notice: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, where specific circumstances exist at the time of case closure. This form applies to situations where: (1) the party conducting the cleanup does not own the source property; (2) contamination has impacted a neighboring property to a certain degree; and (3) not all monitoring wells can/will be abandoned at the time of closure. A letter notifying these property owners is required of the responsible party if certain circumstances exist. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) specifies those notification requirements. A model "Template for Notification of Residual Contamination and Continuing Obligations" (PUB-RR-919) can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS No.	Activity Name
02-68-539238	ONE HOUR MARTINIZING

						Letter Sent To:			Reasons Letter Sent:								
ID	Impacted Property Address	Parcel No.	Date of Letter	WTMX	WTMY	Source Property Owner is not RP	Right of Way Government or Other	Impacted Off-Site Property Owner	Groundwater Exceeds ES	Residual Soil Exceeds Standards	Cap/Engineerd Control	Industrial Use Soil Standards	Vapor System in Place	Vapor Asmt Needed if use Changes	Structural Impediment	Lost, Transferred or Open Wells
A	12523 W Hampton Ave	BV 1009021	12/17/2012	677201	294224			X			X			X		
B	126th St & Hampton Ave	NA	06/24/2008				X		X	X						

OFF-SOURCE
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PROPERTY

ARCADIS
Infrastructure · Water · Environment · Buildings

ARCADIS U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414.276.7742
Fax 414.276.7603
www.arcadis-us.com

Nancy Hyndman
Hyndman Enterprises, LLC
12521 W. Hampton
Butler, WI 53007

ENVIRONMENT

Subject:
Notification of Release of Chlorinated Volatile Organic Compounds (CVOCs) to Soil and Groundwater, One Hour Martinizing, 12527 West Hampton Avenue, Butler, Wisconsin.
BRRTS# 02-68-539238

Date:
17 December 2012

Dear Ms. Hyndeman:

On behalf of Mr. Tom Grimm of One Hour Martinizing-Butler (OHM), ARCADIS is providing this letter in regards to the investigation of a release of CVOCs to soil and groundwater on the OHM site. The investigation has shown that vapors associated with the soil and groundwater contamination have migrated onto your property located at 12523 West Hampton Avenue, Butler, Wisconsin. ARCADIS has completed a remedial action at the OHM site, including the installation of a vapor control and venting system on the OHM property, and will be requesting that the Wisconsin Department of Natural Resources (WDNR) grant case closure for the OHM site. Closure means that the WDNR will not be requiring any further investigation or remedial action to be taken at the OHM site.

As part of the remedial action, ARCADIS is proposing that the OHM building's concrete foundation and surrounding asphalt and paved surfaces will act as a permanent engineered barrier to mitigate both contact with impacted soils and the mobility of vapors into the OHM building. These permanent engineered barriers will have to be maintained as part of the case closure for the OHM site. Case closure would also include the use and maintenance of the building concrete foundation located on your property as a permanent engineered barrier to mitigate vapor intrusion.

The WDNR will not review the OHM 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 WDNR to provide any technical information that you may have that indicates that closure should not be granted for the OHM site. If you would like to submit any information to the WDNR, you should provide that information to:

Contact:
Brian Maillet
Ed Buc

Phone:
414.276.7742

Email:
bmaillet@arcadis-us.com
ebuc@arcadis-us.com

Our ref:
WI001109.0004

ARCADIS

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

Please review the enclosed legal description of your property, and notify ARCADIS within the next 30 days if the legal description is incorrect. Before submittal of the request for case closure, ARCADIS will need to inform the WDNR as to who will be responsible for the continuing obligation concerning maintenance of the building foundation and floor slab which serves as an engineered barrier 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 maintenance of the building foundation and floor slab, you will need to request additional time from the WDNR contact identified above.

The prohibited activities and continuing obligations associated with the case closure are further discussed in the following sections.

Prohibited Activities

The following activities will be prohibited on any portion of your property, unless prior written approval has been obtained from the WDNR: 1) removal of the existing engineered barrier; 2) disturbing the engineered barrier by planting trees or shrubs; 3) replacement with another engineered 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 other than what currently exists, 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.

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* .

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Continuing Obligations

If closure for the OHM site is approved, the following are some continuing obligations for which you will be responsible.
The building foundation and floor slab that exists in the location shown on the attached map must be maintained in compliance with the attached maintenance plan in order to mitigate vapor intrusion 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 WDNR 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 and/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. In May 2010, one sub-slab depressurization system (SSDS) was installed in the OHM building basement to further mitigate the potential for vapor intrusion. This system will continue to be operate by the owner of the 12527 West Hampton Avenue property following case closure.

Prior to the installation of the SSDS, indoor air samples collected from your building exceeded the U. S. Environmental Protection Agency (U.S. EPA) Region 3 Non-Residential Indoor Air Action Level of (NRIAAL) of 21 $\mu g/m^3$ for tetrachloroethene (PCE), which is one of the CVOCs detected in soil and groundwater at the OHM site. Following installation of the SSDS in the OHM building, PCE indoor air levels in your building were found to have decreased by 93 percent, reducing indoor air PCE to below the below the U.S. EPA Region 3 NRIAAL.

The continued operation of the SSDS at the OHM site along with maintaining the building concrete foundations on the OHM site and your property will ensure the continued protection of public health, safety, welfare and the environment.

Summary

Once the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR 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 WDNR 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

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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, your property will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web to provide public notice of the continuing obligations required under ch. NR 726. 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 WDNR internet web site. WDNR 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 WDNR'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.

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If you need more information about the proposed remedial action completion and request for closure, you may contact Mr. Don Gallo at (262) 951-4555. If you need more information about cleanups and closure requirements, or to review the WDNR file on the case closure, you may contact the WDNR Milwaukee Service Center, at (414) 263-8500.

Sincerely,

ARCADIS U.S., Inc.

Brian Jules Maillet
Certified Project Manager

Ed Buc, PE
Principal Engineer

Copies:
Don Gallo - Reinhart, Boerner, Van Deuren, S.C.
Tom Grimm – OHM of Butler, 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
Legal Description
Maintenance Plan with Site Figures

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Pay Options | Tax Bill | Tax Listing | Search

Tax Key: BV 1009021

Tax Year: 2013

3/22/2013 1:26:02 PM
WAUKESHA COUNTY
VILLAGE OF BUTLER

OWNER NAME AND MAILING ADDRESS
HYNDMAN ENTERPRISES LLC
PO BOX 364
BUTLER, WI 53007

PROPERTY ADDRESS
12523 W HAMPTON AVE

GIS VIEW PARCEL

LEGAL DESCRIPTION
LOT 5 & E 9.90 FT LOT 6 BLK 31 NEW BUTLER PT SE1/4 SEC 36 T8N R20E & NE1/4 SEC 1 T7N R20E DOC# 3616394

PROPERTY DESCRIPTION

Assessment Year:	2013	Active for Assessment Year:	YES
First Roll Year:		Retired Roll Year:	
Assessed with Others:	NO	Referral:	NO
Burial Site:	NO		

ASSESSMENT INFORMATION

Assessed By:	LOCAL	Assessment Type:	FULL
Board of Review Date:			

PROPERTY VALUES

Property Class	Acres	Land	Improvement	Total

The 2013 Assessment Valuations have not yet been provided to Waukesha County.

DISTRICTS

District Type	District Name	DOR Code
VILLAGE	VILLAGE OF BUTLER	107
SCHOOL	HAMILTON SCHOOL 2420	2420
TCDB	WAUKESHA TECH COLLEGE	08
TIF	TIF DISTRICT #1	

This program accesses data from databases maintained by several County Departments and Local Municipalities. There may be inconsistence in data depending on the date the information was gathered or the purpose for which it is maintained. Due to variances in sources and update cycles, there is no guarantee as to the accuracy of the data. For questions regarding Tax Listing or Tax Bill information, please contact the Real Property Tax Listing Division at (262)548-7597 or **taxlisting@waukeshacounty.gov**. For questions regarding Outstanding Taxes and Tax Payment records, contact the County Treasurer's office at (262)548-7029.

For all GIS related issues, please contact Waukesha County Land Information Systems at landinformation@waukeshacounty.gov.
3/22/2013 1:26:02 PM

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Ryan, Nancy D - DNR

From: Ryan, Nancy D - DNR
Sent: Tuesday, March 26, 2013 1:11 PM
To: 'Maillet, Brian'
Subject: RE: OHM Butler Site, Final Notification and Cap Plan for 12523 West Hampton

I think her signature on the maintenance plan is indication enough that she was notified. We'll go with that. Thanks.

From: Maillet, Brian [mailto:Brian.Maillet@arcadis-us.com]
Sent: Monday, March 25, 2013 3:41 PM
To: Ryan, Nancy D - DNR
Cc: Michelle L. Williams <MWilliams@reinhartlaw.com> (MWilliams@reinhartlaw.com)
Subject: RE: OHM Butler Site, Final Notification and Cap Plan for 12523 West Hampton

Nancy-
The 12521 W. Hampton Avenue is the mailing address supplied by Subject Property Owner (Nancy Hyndman). As for notification, I sent the attached email to Ms. Hyndman, which was followed by a meeting with Ms. Hyndman and her attorney. After this meeting, and subsequent clarifications and revisions we received the attached plan that was submitted to you. Therefore, a proof of receipt was not obtained. Please advise if a notification is required.
Thanks
-Brian

From: Ryan, Nancy D - DNR [mailto:Nancy.Ryan@Wisconsin.gov]
Sent: Friday, March 22, 2013 1:55 PM
To: Maillet, Brian
Subject: RE: OHM Butler Site, Final Notification and Cap Plan for 12523 West Hampton

Hi Brian,
Would you please send me a hard copy of this information. Include proof of receipt for the letter and can you clarify the two different offsite addresses (12523 and 12521) used on the maintenance plan? Thanks. Look forward to getting this closed out.

Nancy D. Ryan
Hydrogeologist
Bureau for Remediation and Redevelopment
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Dr.
Milwaukee, WI 53212
(☎) phone: (414) 263-8533
(✉) e-mail: nancy.ryan@wisconsin.gov

From: Maillet, Brian [mailto:Brian.Maillet@arcadis-us.com]
Sent: Friday, March 22, 2013 1:36 PM
To: Ryan, Nancy D - DNR
Cc: Michelle L. Williams <MWilliams@reinhartlaw.com> (MWilliams@reinhartlaw.com); tgrimmdc@sbcglobal.net; Gallo, Don P; Buc, Ed
Subject: OHM Butler Site, Final Notification and Cap Plan for 12523 West Hampton
Importance: High

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Nancy-
I am pleased to send the attached final notification and cap plan for the site adjacent to the OHM-Butler site located at 12527 West Hampton, Butler, WI. The attached notification and cap plan for 12523 West Hampton, Butler, WI should satisfy the remaining requirements for the OHM-Butler site to receive closure from the WDNR.

Thanks and please let me know if you have any questions.

Brian Maillet | Certified Project Manager/Principal-In-Charge | brian.maillet@arcadis-us.com
ARCADIS U.S., Inc. | 126 N. Jefferson Street Address, Suite 400 | Milwaukee, WI 53217
T: 414.277.6229 | M: 414.861.7084 | F: 414.276.7603
www.arcadis-us.com

ARCADIS, Imagine the result
Please consider the environment before printing this email.

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CAP MAINTENANCE PLAN, DECEMBER 17, 2012

Subject Property Location: 12523 West Hampton Avenue, Butler, Wisconsin, 53007

BRRTS#: 02-68-539238 associated with the One Hour Martinizing (OHM) site

Legal Description: LOT 5 & E 9.90 FT LOT 6 BLK 31 NEW BUTLER PT SE1/4 SEC 36 T8N R20E & NE1/4 SEC 1 T7N R20E DOC# 3616394

Tax Key: BV 1009021

Summary

This document is the Maintenance Plan for a permanent engineered barrier at the Subject Property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing concrete building foundation occupying the Subject Property that is being used to mitigate vapor intrusion from the soil and groundwater impacted with chlorinated volatile organic compounds (CVOC) at the adjacent One Hour Martinizing (OHM) site. The OHM site address is 12527 West Hampton Avenue, Butler, Wisconsin.

More site-specific information about the Subject Property may be found in:

- The case file (BRRTS# 02-68-539238) in the Wisconsin Department of Natural Resources (WDNR) Milwaukee Service Center
- WDNR BRRTS on the Web for the OHM site case file (BRRTS# 02-68-539238):
  http://dnr.wi.gov/botw/SetUpBasicSearchForm.do; and
- The WDNR project manager for Waukesha County.

Description of Contamination

Soil contaminated by CVOCs is located to a depth of nine feet below grade surface (ft bgs) at the OHM site. Groundwater contaminated by CVOCs above the NR 140 Enforcement Standard (ES) is located at depths ranging from 7 ft bgs to 36 ft bgs at the OHM site. The extent of the soil and groundwater contamination is shown on the attached Figures 1 and 2.

In May 2010, one sub-slab depressurization system (SSDS) was installed in the OHM site building basement to further mitigate the potential for vapor intrusion. This system will continue to operate following case closure. Prior to the installation of the SSDS, indoor air samples collected from the 12523 West Hampton Avenue building exceeded the U. S. Environmental Protection Agency (U.S. EPA) Region 3 Non-Residential Indoor Air Action Level of (NRIAAL) of 21 $\mu g/m^3$ for tetrachloroethene (PCE), which is one of the CVOCs detected in soil and groundwater at the OHM site. Following installation of the SSDS in the OHM site, PCE indoor air levels in the subject property building were found to have decreased by 93 percent, reducing indoor air PCE to below the below the U.S. EPA Region 3 NRIAAL.

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Description of the Engineered Barrier to be maintained

The permanent engineered barrier consists of the existing concrete building floor slab and foundation on the Subject Property. The extent of the barrier is shown on the attached Figure 3. The permanent engineered barrier will serve as a barrier to mitigate vapor intrusion from the CVOC impacted soil and groundwater at the OHM site that might otherwise pose a threat to human health. Based on the current and future use of the Subject Property, the barrier should function as intended unless disturbed.

Annual Inspection

The existing concrete building foundation at the Subject Property as depicted in Figure 3 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 vapors from the impacted soils and groundwater at the OHM site. The inspections will be performed by the Subject 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 and where vapor intrusion from the subsurface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is attached (see the attached Cap Inspection Log). The log will include recommendations for necessary repair of any such areas. 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 Subject Property owner and available for submittal or inspection by WDNR representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. The Subject Property owner must 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 existing concrete at the Subject Property is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The Subject Property owner, in order to maintain the integrity of the permanent engineered barrier, 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 WDNR Prior to Actions Affecting the Cap

The following activities are prohibited on any portion of the Subject Property where the permanent engineered barrier is required as shown on the attached map, unless prior written approval has been obtained from the WDNR: 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 Subject Property owner and its successors with the written approval of WDNR.

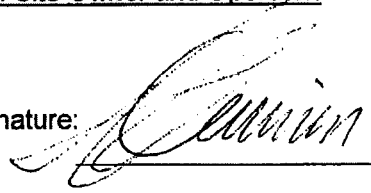
OFF-SOURCE
A
PROPERTY

Contact Information

December 2012

OHM Site Owner and Operator:

Mr. Tom Grimm
12527 West Hampton Avenue
Butler, Wisconsin 53007
(414) 254-9709

Signature: 

Subject Property Owner:

Ms. Nancy Hyndman
Hyndman Enterprises, LLC
12521 W. Hampton
Butler, WI 53007
Phone: (262) 252-2500

Signature:

Consultant:

Mr. Brian Maillet
ARCADIS U.S., Inc.
126 N. Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Phone: (414) 276-7742

WDNR:

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

OFF-SOURCE
A
PROPERTY

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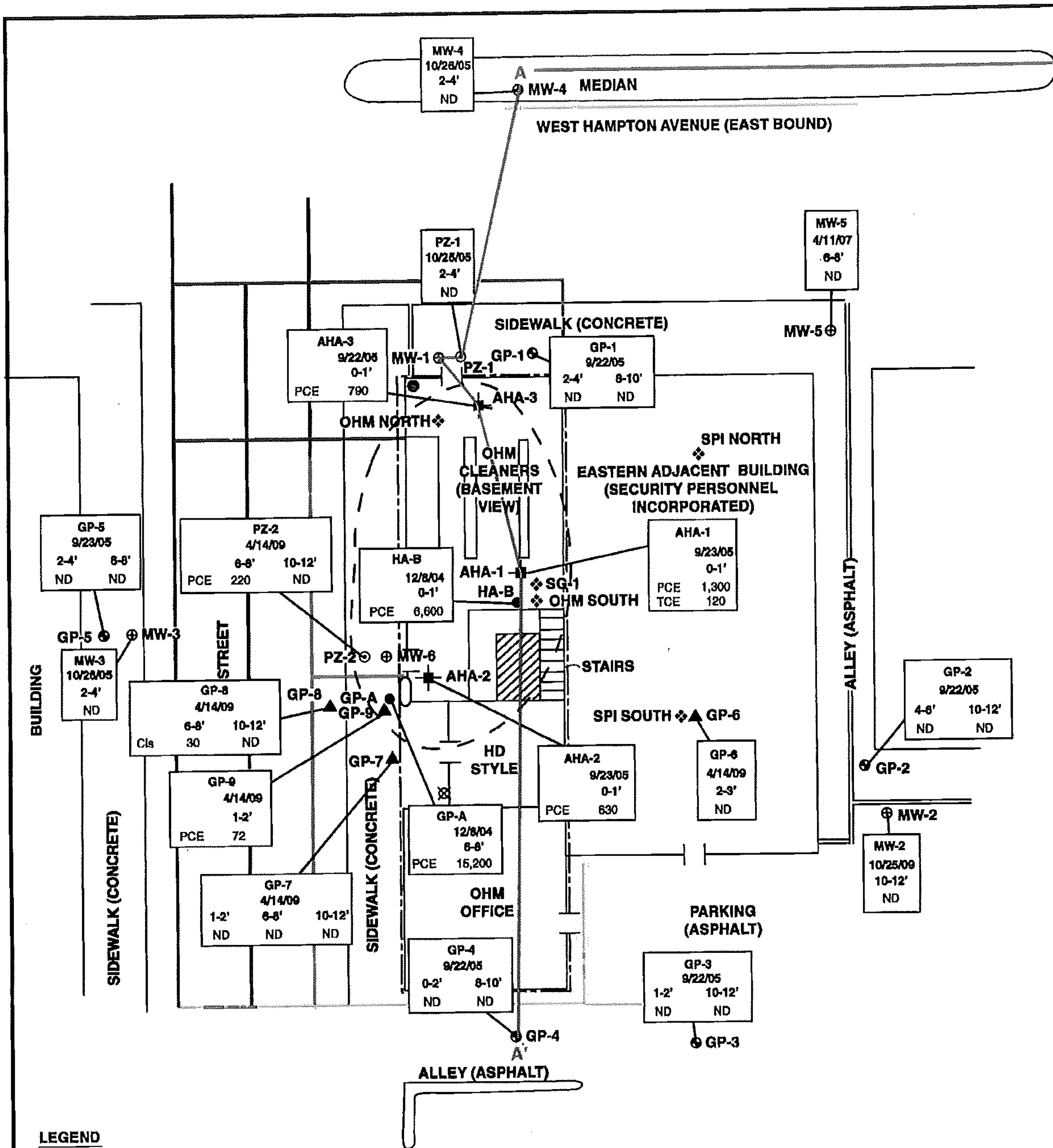
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8533

Barrier INSPECTION and MAINTENANCE LOG

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

OFF-SOURCE
A
PROPERTY



LEGEND

Symbol	Description
(hatched)	DRY CLEANING MACHINE
—— - -	PROPERTY BOUNDARY
(symbol)	SOIL BORING (installed 9/05)
(symbol)	HAND AUGER (installed 9/05)
●	PREVIOUSLY INSTALLED BORING
⊕	MONITORING WELL
⊙	PIEZOMETER
⊠	ABANDONED WATER WELL
▲	SOIL BORING (installed 4/09)
— — —	Extent of PCE Impacted Soil
(symbol)	SUMP
❖	SOIL VAPOR PROBE
◯	FORMER CONTAINER STORAGE AREA
(line)	GAS
(line)	ELECTRIC
(line)	WATER
(line)	SEWER
(line)	TELECOMMUNICATIONS

(4-6')	SAMPLE DEPTH INTERVAL (feet below land surface)
CVOC	Chlorinated Volatile Organic Compound
Cis	Cis-1,2-Dichloroethene
PCE	Tetrachloroethene
TCE	Trichloroethene
ND	No Detections Above Laboratory Reporting Limit

Concentrations in micrograms per kilogram.

N

0 10 20
APPROXIMATE SCALE IN FEET

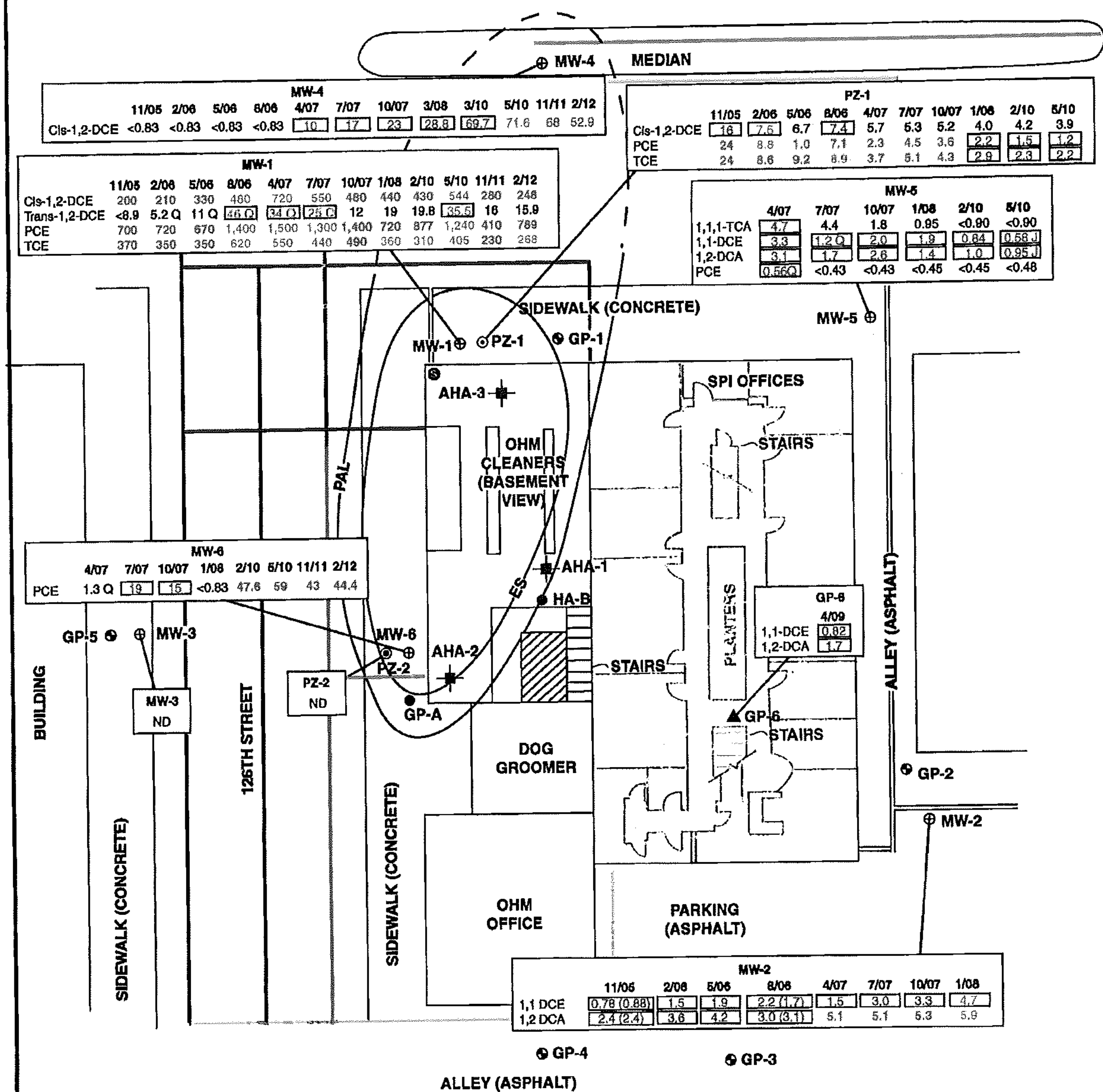
12523 WEST HAMPTON
BUTLER, WISCONSIN

CVOC DETECTIONS IN SOILS

ARCADIS

FIGURE
1

OFF-SOURCE
A
PROPERTY



MW-4

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	3/08	3/10	5/10	11/11	2/12
Cis-1,2-DCE	<0.83	<0.83	<0.83	<0.83	10	17	23	28.8	69.7	71.6	68	52.9

PZ-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10
Cis-1,2-DCE	16	7.6	6.7	7.4	5.7	5.3	5.2	4.0	4.2	3.9
PCE	24	8.8	1.0	7.1	2.3	4.5	3.6	2.2	1.5	1.2
TCE	24	8.6	9.2	8.9	3.7	5.1	4.3	2.9	2.3	2.2

MW-1

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
Cis-1,2-DCE	200	210	330	460	720	550	480	440	430	544	280	248
Trans-1,2-DCE	<8.9	5.2 Q	11 Q	46 Q	34 Q	25 Q	12	19	19.8	35.5	16	15.9
PCE	700	720	670	1,400	1,500	1,300	1,400	720	877	1,240	410	789
TCE	370	350	350	620	550	440	490	360	310	405	230	268

MW-5

	4/07	7/07	10/07	1/08	2/10	5/10
1,1,1-TCA	4.7	4.4	1.8	0.95	<0.90	<0.90
1,1-DCE	3.3	1.2 Q	2.0	1.9	0.84	0.58 J
1,2-DCA	3.1	1.7	2.6	1.4	1.0	0.95 J
PCE	0.56Q	<0.43	<0.43	<0.45	<0.45	<0.48

MW-6

	4/07	7/07	10/07	1/08	2/10	5/10	11/11	2/12
PCE	1.3 Q	19	15	<0.83	47.6	59	43	44.4

GP-8

	4/09
1,1-DCE	0.82
1,2-DCA	1.7

MW-2

	11/05	2/06	5/06	8/06	4/07	7/07	10/07	1/08
1,1 DCE	0.78 (0.88)	1.5	1.9	2.2 (1.7)	1.5	3.0	3.3	4.7
1,2 DCA	2.4 (2.4)	3.6	4.2	3.0 (3.1)	5.1	5.1	5.3	5.9

LEGEND

- DRY CLEANING MACHINE
- SOIL BORING (Installed 9/05)
- HAND AUGER (Installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- SUMP
- SOIL BORING (Installed 4/09)
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS
- ESTIMATED EXTENT OF CVOC IMPACTED GROUNDWATER RELATED TO THE SITE
- ND — No detections above laboratory detection limits.
- (box) — Concentration exceeds NR 140 PAL.
- BOLD — Concentration exceeds NR 140 ES.
- J — Concentration falls between the laboratory detection limit and the limit of quantitation.

		ES	PAL
1,1-DCE	1,1-Dichloroethene	7	0.7
1,2-DCA	1,2-Dichloroethane	5	0.5
Cis-1,2-DCE	Cis-1,2-Dichloroethene	70	7.0
Trans-1,2-DCE	Trans-1,2-Dichloroethene	100	20
1,1,1-TCA	1,1,1-Trichloroethane	200	40
PCE	Tetrachloroethene	5	0.5
TCE	Trichloroethene	5	0.5

Concentrations in micrograms per liter (μg/L)

N

0 10 20
APPROXIMATE SCALE IN FEET

14DEC12\ENVIRONMENTAL\CBLMB
OHM\BUTLER\WI1109\BUTLER\GRAPHICS\MW_GW_EXCEED 0212.AI

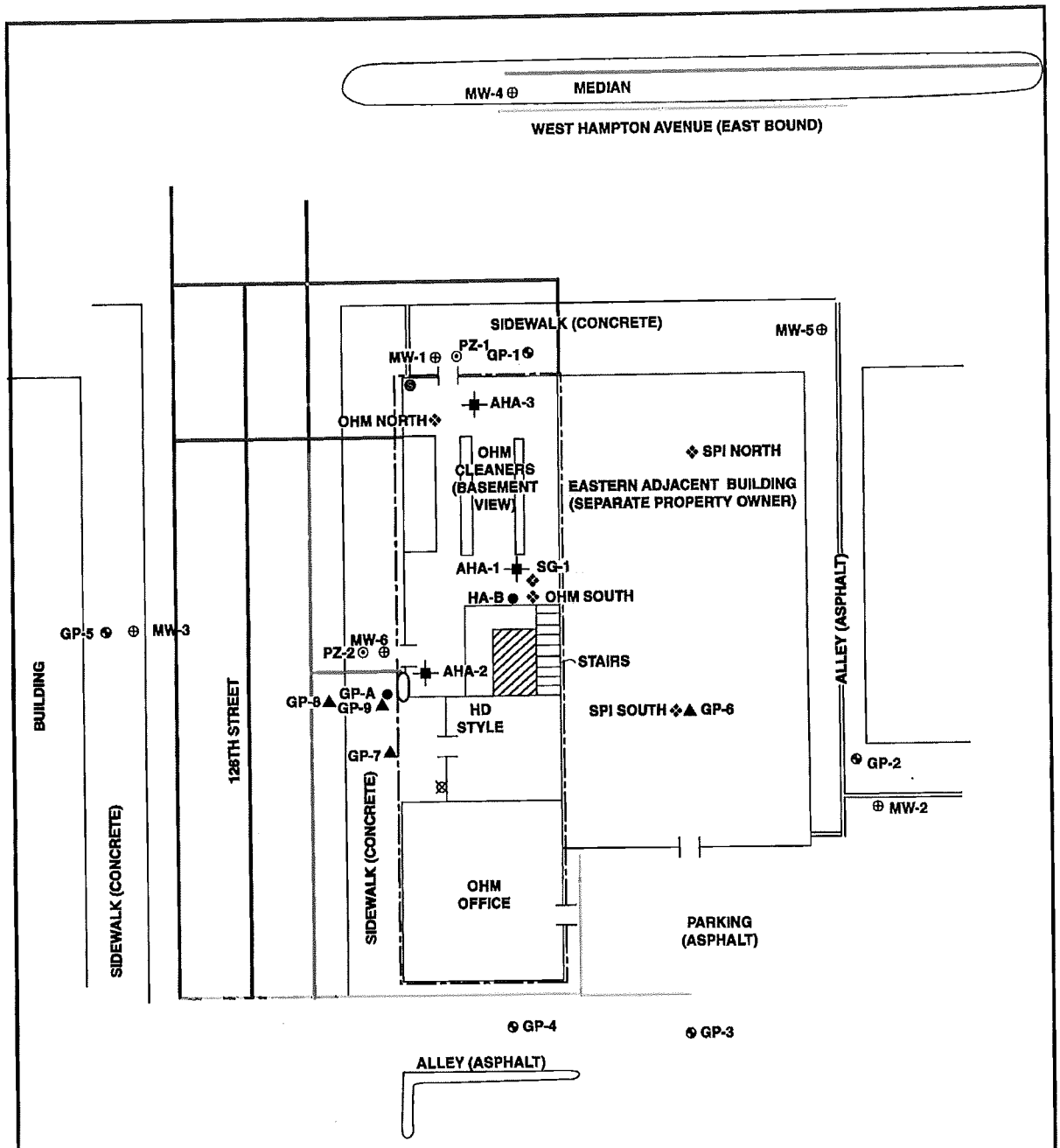
12523 WEST HAMPTON
BUTLER, WISCONSIN

SUMMARY OF MONITORING WELL GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ARCADIS

FIGURE
2

OFF-SOURCE
A
PROPERTY



LEGEND

- DRY CLEANING MACHINE
- OHM PROPERTY BOUNDARY
- SOIL BORING (Installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (Installed 4/09)
- EXTENT OF ENGINEERED BARRIER FOR 12523 WEST HAMPTON
- SUMP
- SOIL VAPOR PROBE
- FORMER CONTAINER STORAGE AREA
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

N

0 10 20

APPROXIMATE SCALE IN FEET

12523 WEST HAMPTON
BUTLER, WISCONSIN

SITE LAYOUT

ARCADIS

FIGURE 3

1:\DEC12\ENVIRONMENTAL\MILWB\OHMBUTLER\WI109\BUTLER\GRAPHICS\SITE LAYOUT_1210.AI

OFF-SOURCE
A
PROPERTY

00725 DEC 30 08

WC3616394-001
Document Number

State Bar of Wisconsin Form 1-2003
WARRANTY DEED
Document Name

3616394

REGISTER'S OFFICE
WAUKESHA COUNTY, WI
RECORDED ON

12-30-2008 12:19 PM

MICHAEL J. HASSLINGER
REGISTER OF DEEDS

REC. FEE: 4.00
REC. FEE-CD: 5.00
REC. FEE-ST: 2.00
TRAN. FEE: 312.00
TRAN. FEE-STAT 1248.00
PAGES: 1

THIS DEED, made between
RONALD G. HAMMERSCHLAG

("Grantor," whether one or more), and
HYNDMAN ENTERPRISES, LLC, a Wisconsin limited liability company

("Grantee," whether one or more)

Recording Area

Name and Return Address
HYNDMAN ENTERPRISES, LLC
12523 W. HAMPTON AVE.
BUTLER, WI 53007

Grantor, for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in WAUKESHA County, State of Wisconsin ("Property")(If more space is needed, please attach addendum):

Lot 5 and the East 9.90 feet of Lot 6, Block 31, Plat of New Butler, being a part of the Northeast 1/4 of Section 1, Town 7 North, Range 20 East, and a part of the Southeast 1/4 of Section 36, Town 8 North, Range 20 East, in the Village of Butler, County of Waukesha, State of Wisconsin.

BV 1009.021
Parcel Identification Number (PIN)

This is not homestead property
(is)(is not)

Tax Key No: BV 1009.021

Address: 12523 W. Hampton Avenue

TRANSFER
$ 1560.00
FEE

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except: municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes levied in the year of closing.

Dated 12/15/08.

* RONALD G. HAMMERSCHLAG (SEAL)

* (SEAL)

* (SEAL)

* (SEAL)

AUTHENTICATION

Signature(s) _____

authenticated on _____

* _____

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. S706.06)

THIS INSTRUMENT DRAFTED BY:
BRAD DALLET

ACKNOWLEDGMENT

STATE OF WISCONSIN)
Waukesha COUNTY) ss.

Personally came before me on 12/15/08
the above named RONALD G. HAMMERSCHLAG
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* Stacy A. Oelzer

Notary Public, State of Wisconsin
My commission (is permanent)(~~expires~~: _____)

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

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

WARRANTY DEED
*Type name below signatures

2003 STATE BAR OF WISCONSIN

FORM NO. 1-2003

ewdeedn 9/05

823 W. ATKINSON AVENUE
PHONE CONCORD 3782
MILWAUKEE

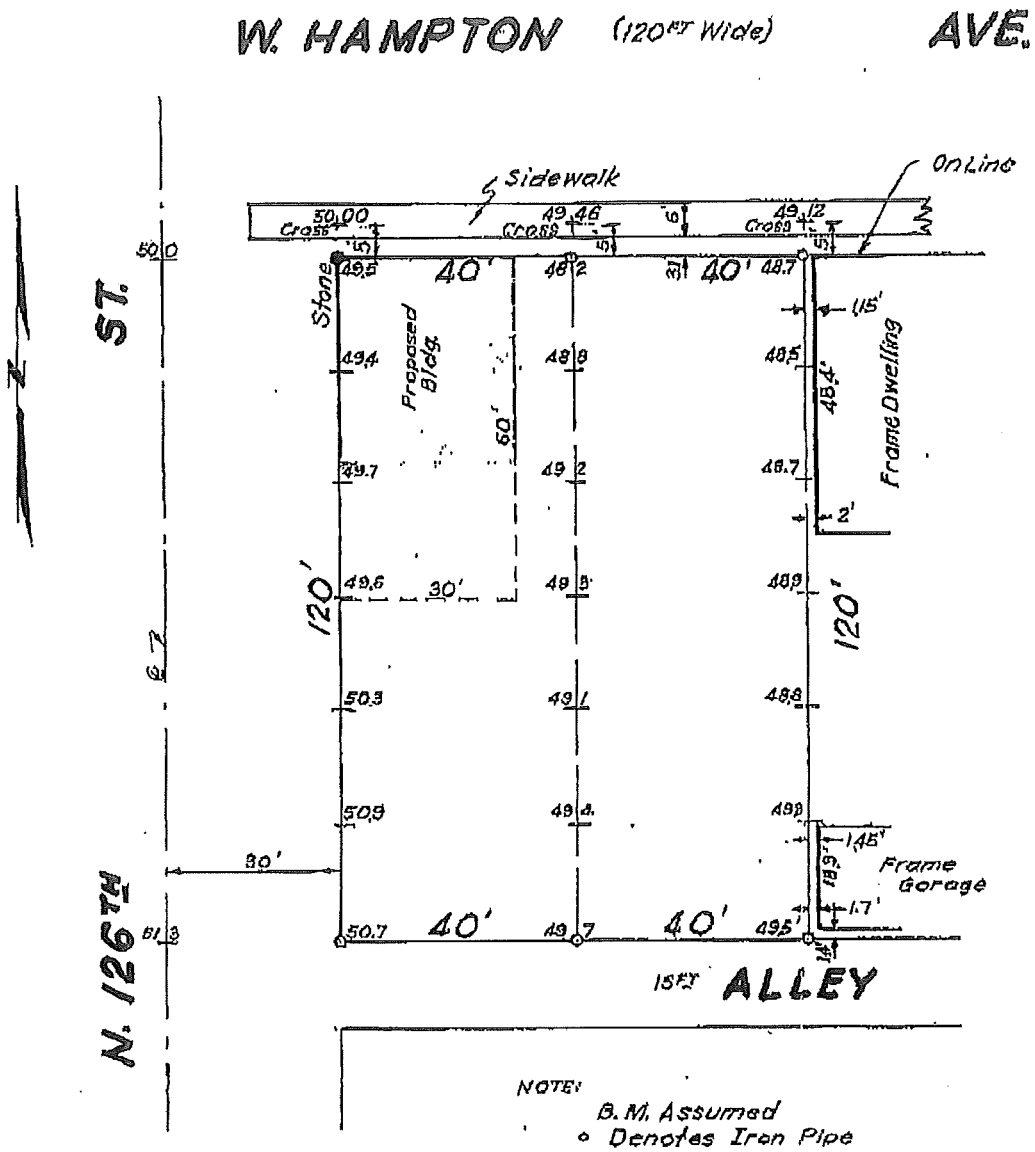
HAROLD W. WARD
ENGINEER AND SURVEYOR
MILWAUKEE 6, WISCONSIN
OZAUKEE COUNTY SURVEYOR

PLAT OF SURVEY

THIENSVILLE, WISCONSIN
THIENSVILLE 869

PROPERTY AT W. HAMPTON AVE. F. J. MALONE (OWNER)

LEGAL DESCRIPTION LOTS 5 AND 6, BLOCK 31, PLAT OF TOWNSITE CITY OF NEW BUTLER, IN NE¼ OF SEC. 1, T. 7N., R. 20E., WAUKESHA COUNTY, WIS. SCALE 1"=25'



State of Wisconsin, County of Milwaukee } ss.

I hereby certify that on the 20th day of March 1948 I have surveyed the property described above according to the official records and that the above plat is a correct representation of the boundary lines and measurements and the principal lines and measurements of all buildings and other structures thereon.

Plat No. 48-239

Signed Harold W. Ward
Engineer and Surveyor

RIGHT-OF-WAY

ARCADIS
Infrastructure, environment, facilities

ARCADIS
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414.276.7742
Fax 414.276.7603
www.arcadis-us.com

Tim Rhode
Village of Butler
12621 West Hampton Ave
Butler, WI 53007-1791

ENVIRONMENT

Subject:
Notification of Right-of-Way Soil and Groundwater Contamination, One Hour Martinizing, 12527 West Hampton Avenue, Butler, Wisconsin.
BRRTS# 03-60-386026

Date:
24 June 2008

Contact:
Brian Maillet
Ed Buc

Phone:
414.276.7742

Email:
bmaillet@arcadis-us.com
ebuc@arcadis-us.com

Our ref:
WI001109.0002

Dear Mr. Rhode:

On behalf of Mr. Tom Grimm, ARCADIS has completed soil and groundwater investigation activities at the 12527 West Hampton Avenue property in Butler, Wisconsin (the site). This property is a dry cleaner, and chlorinated hydrocarbons from dry cleaning activities were released to soil and groundwater at the site. As required by the Wisconsin Department of Natural Resources (WDNR), this letter has been prepared to notify you that residual soil and groundwater impacts may be present in the 126th Street and West Hampton right-of-ways located immediately to the west and north of the site.

Twenty-two soil samples have been collected from sixteen borings installed throughout the site and adjacent right-of-ways and submitted for laboratory analysis of volatile organic compounds (VOCs). The boring locations and detected VOC constituents are shown on attached Figure 1. As shown on Figure 1, Geoprobe Borehole GP-A was installed within 5 feet of the southwestern corner of the dry cleaning building, in the sidewalk right-of-way for 126th Street. The soil sample collected from the 6 to 8 foot depth interval of GP-A contained a tetrachloroethene (PCE) concentration of 6,600 micrograms per kilogram (μg/kg), which exceeded soil-to-groundwater and direct contact criteria. Well Borehole PZ-2 was installed to the west/northwest of GP-A. The soil sample collected from the 6 to 8 foot depth interval contained a PCE concentration of 220 μg/kg, which was less than direct contact criteria. As shown on Figure 1, the extent of direct contact soil exceedances in the 126th Street right-of-way is defined.

In order to assess groundwater conditions, six monitoring wells and two piezometers have been installed in the right-of-ways surrounding the site and sampled for VOCs. The monitoring well and piezometer locations are shown on attached Figure 4. Groundwater samples collected from Monitoring Well MW-1 contained concentrations of cis-1,2-dichloroethene, PCE, and trichloroethene exceeding the ch. NR 140 Enforcement Standards (ES). As shown on Figure 4, MW-1 is located within five feet of the northwestern corner of the dry cleaning building, in the sidewalk right-of-way of West Hampton Avenue. Groundwater concentrations from the remaining

RIGHT-OF-WAY

ARCADIS

monitoring wells and piezometers were below the ES. The analytical results from 2 years of groundwater monitoring at MW-1 indicate a stable concentration trend. The groundwater flow direction at the site is to the north/northeast. Therefore, the extent of groundwater exceedances at the site is generally defined (Figure 4). Based on the location of MW-1 and the north/northeast groundwater flow direction, it is possible that groundwater impacts may be present in the southern right-of-way of West Hampton Avenue.

Given that the soil and groundwater impacts are generally defined and the stable groundwater concentration trend, ARCADIS is requesting site closure from Wisconsin Department of Natural Resources (WDNR). As part of the site closure requirements, ARCADIS is notifying you of the potential presence of soil and groundwater impacts in the right-of-ways of 126th Street and West Hampton Avenue. Following concurrence of the site closure request from WDNR, all monitoring wells and piezometers associated with this site will be abandoned in accordance with WDNR requirements.

The WDNR project manager for the site can be contacted at the following address.

Ms. Brenda Boyce, Hydrogeologist
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212
Phone: (414) 263-8366
Fax: (414) 263-8606

We trust this information will meet your needs. If you have any questions, or require any additional information, please contact the undersigned.

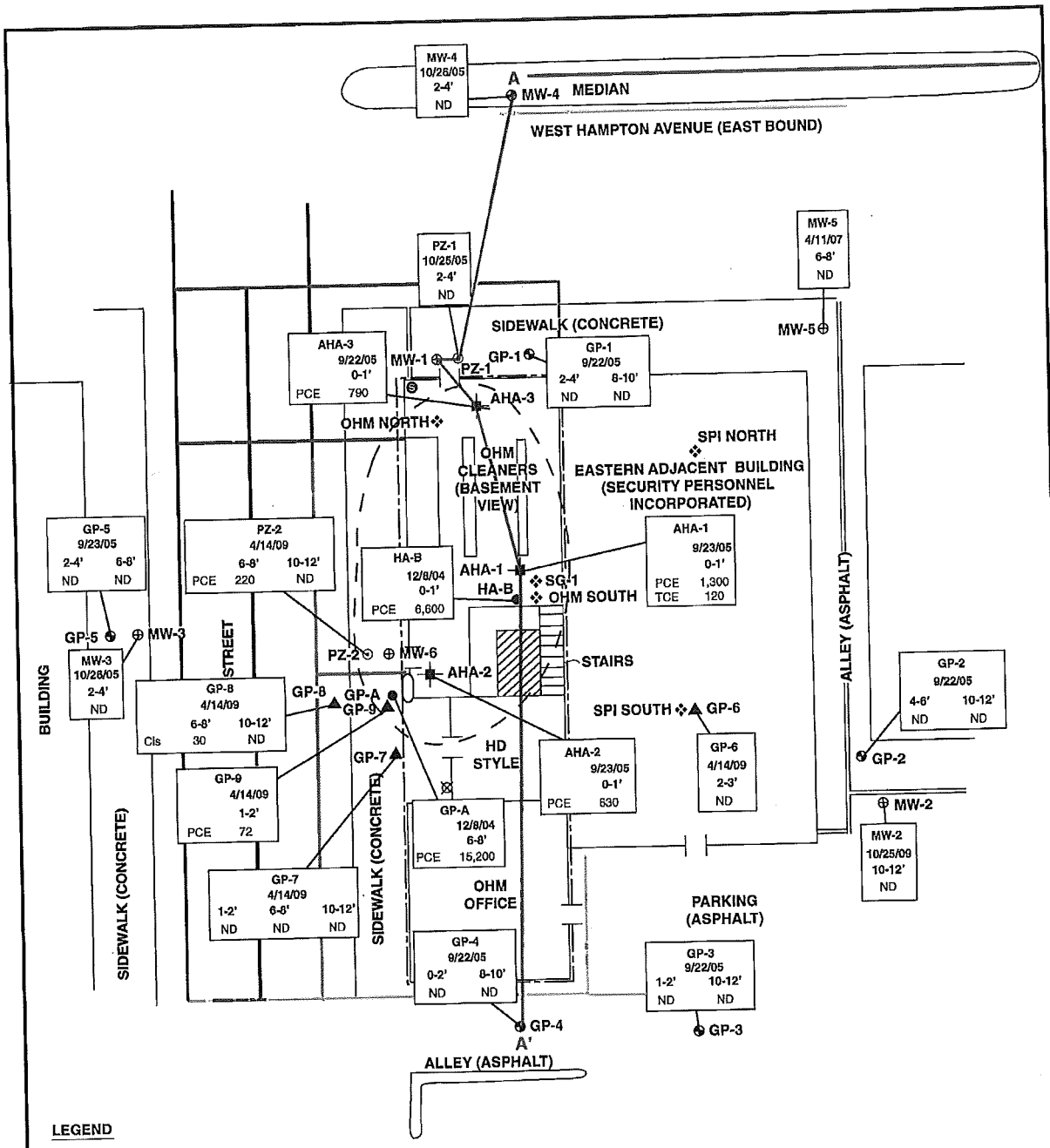
ARCADIS
Sincerely,

Brian Jules Maillet
Staff Scientist

Ed Buc, PE
Principal Engineer

Copies:
Don Gallo - Reinhart, Boerner, Van Deuren, S.C.
Tom Grimm – OHM of Butler, Inc.

RIGHT-OF-WAY



LEGEND

- DRY CLEANING MACHINE
- PROPERTY BOUNDARY
- SOIL BORING (installed 9/05)
- HAND AUGER (installed 9/05)
- PREVIOUSLY INSTALLED BORING
- MONITORING WELL
- PIEZOMETER
- ABANDONED WATER WELL
- SOIL BORING (installed 4/09)
- Extent of PCE Impacted Soil
- SUMP
- SOIL VAPOR PROBE
- FORMER CONTAINER STORAGE AREA
- GAS
- ELECTRIC
- WATER
- SEWER
- TELECOMMUNICATIONS

(4-6') SAMPLE DEPTH INTERVAL (feet below land surface)

CVOC Chlorinated Volatile Organic Compound
Cis Cis-1,2-Dichloroethene
PCE Tetrachloroethene
TCE Trichloroethene
ND No Detections Above Laboratory Reporting Limit

Concentrations in micrograms per kilogram.

N

0 10 20
APPROXIMATE SCALE IN FEET

12523 WEST HAMPTON
BUTLER, WISCONSIN

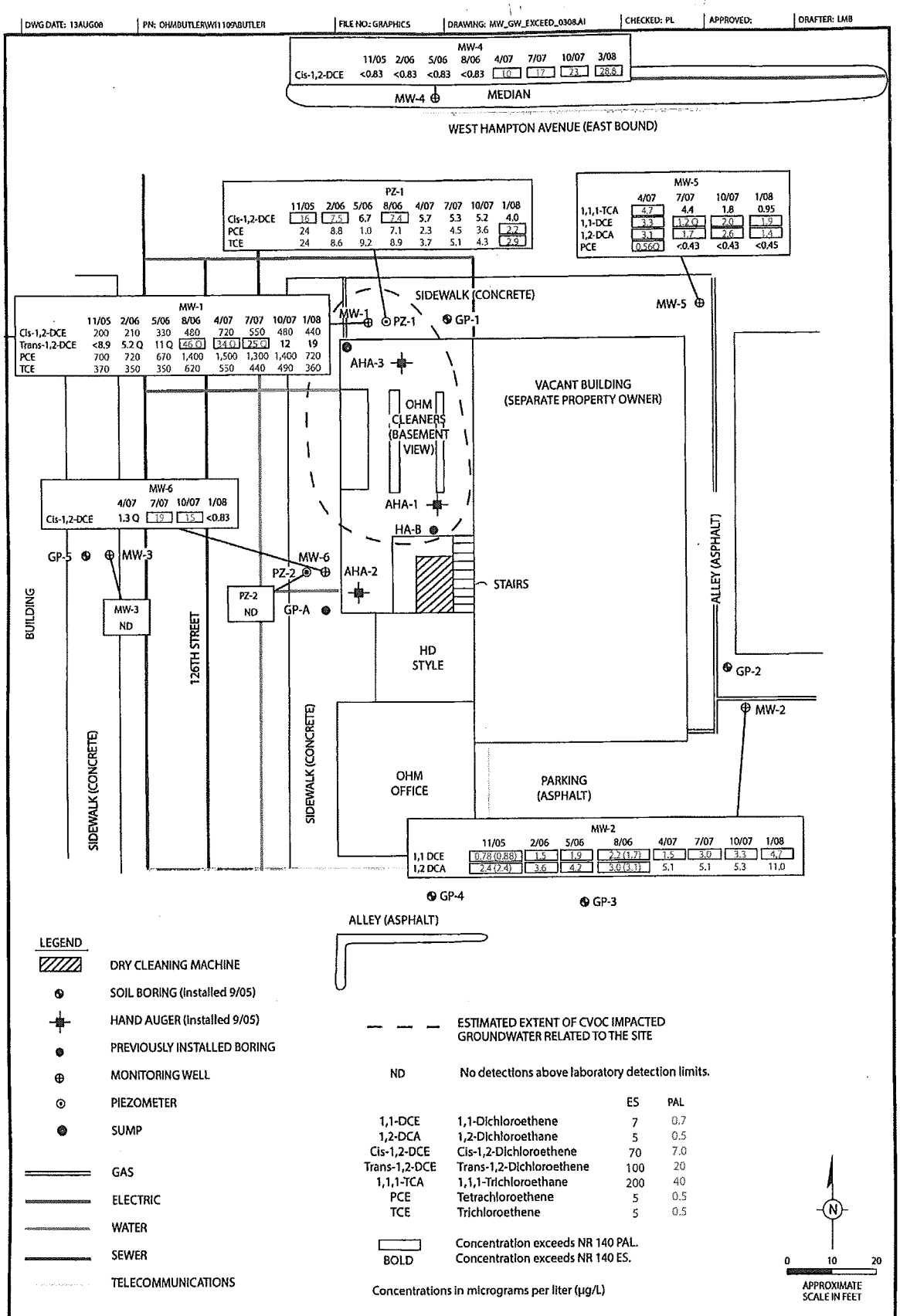
CVOC DETECTIONS IN SOILS

ARCADIS

FIGURE 1

14:DEC12ENVIRONMENTAL\P\1.MB
OH&RBUTLER\WI1109\BUTLER\GRAPHICS\CVOCS SOIL.AI

RIGHT-OF-WAY



ARCADIS

SUMMARY OF MONITORING WELL
GROUNDWATER EXCEEDANCES OF WDNR STANDARDS

ONE HOUR MARTINIZING
12527 WEST HAMPTON
BUTLER, WISCONSIN

FIGURE
4