

Source Property Information

BRRTS #:	02-68-550170	Closure Date:	October 5, 2010
ACTIVITY NAME:	Hardiman Oil Company (Former)	FID#:	
PROPERTY ADDRESS:	N63 W23101 Main Street	DATCP#:	
MUNICIPALITY:	Sussex	COMM#:	53089-5303-01-A
PARCEL ID#:	Railroad right-of-way		

***WTM Coordinates:**

X: Y:

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

WTM Coordinates Represent:

- Approximate Center of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- | | |
|---|---|
| <input type="checkbox"/> Groundwater Contamination > ES (236) | <input checked="" type="checkbox"/> Soil Contamination > *RCLs or **SSRCL (232) |
| <input type="checkbox"/> Groundwater Contamination in ROW | <input type="checkbox"/> Soil Contamination in ROW |
| <input type="checkbox"/> Off-Source Contamination | <input type="checkbox"/> Off-Source Contamination |

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

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Land Use Controls:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Soil: maintain industrial zoning (220) | <input type="checkbox"/> Cover or Barrier (222) |
| <input type="checkbox"/> Structural Impediment (224) | <input type="checkbox"/> Vapor Mitigation (226) |
| <input type="checkbox"/> Site-Specific Condition (228) | <input type="checkbox"/> Maintain Liability Exemption (230) |

(note: soil contaminant concentrations between residential and industrial levels)

(note: maintenance plan for groundwater or direct contact)

(note: local government or economic development corporation)

Monitoring wells properly abandoned? (234)

- Yes No N/A

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 #: 02-68-550170

PARCEL ID #:

ACTIVITY NAME: Former Hardiman Oil Company Lease Site

WTM COORDINATES: X: 665795 Y: 279154

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 Title: Site Plan Map

- 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: Soil DRO Distribution (0'-4') Map

BRRTS #: 02-68-550170

ACTIVITY NAME: Former Hardiman Oil Company Lease Site

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 #: 3 Title: Cross Section A-A'

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 #: Title:

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

Figure #: Title:

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 #: 1,2, and 3 Title: Soil Summary

- 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 #: 4 Title: Groundwater Summary

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

Table #: 5 Title: Groundwater Elevations

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 #: 2 Title: Site Plan Map

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

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

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

BRRTS #: 02-68-550170

ACTIVITY NAME: Former Hardiman Oil Company Lease Site

NOTIFICATIONS

Source Property

Not Applicable

Letter To Current Source Property Owner: If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

Return Receipt/Signature Confirmation: Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

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

Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

Return Receipt/Signature Confirmation: Written proof of date on which confirmation was received for notifying any off-source property owner.

Deed of "Off-Source" Property: The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.

Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

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:



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Aaron Oliver, Secretary

October 5, 2010

Scott Ransberry
Wisconsin Central Ltd.
17641 South Ashland Avenue
Homewood, IL 60430-1345

RE: Final Closure with Land Use Limitation for Industrial Zoning

Commerce # 53089-5303-01-A DNR BRRTS # 02-68-550170
Hardiman Oil Company (Former), N63 W23101 Main Street, Sussex

Dear Mr. Ransberry:

The Wisconsin Department of Commerce (Commerce) has determined that this site does not pose a significant threat to human health or the environment as long as current and subsequent property owners adhere to the following limitation:

This site must remain zoned for industrial use and cannot be developed for residential, commercial, agricultural or other non-industrial use. Residual contaminated soil with concentrations exceeding the non-industrial soil standards for Naphthalene remains in the vicinity of former soil boring B-7, located in a former aboveground storage tank (AST) area.

Commerce has the authority per section 292.12(2), Wis. Stats., to require maintaining industrial zoning at this property. Failure to adhere to this limitation may result in financial penalties from \$10 to \$5,000 per day in accordance with section 292.99(1), Wis. Stats.

This site is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to document residual soil contamination that remains above state standards. You can view all sites on the GIS Registry via the DNR's website at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval. To obtain approval, complete Form 3300-254, GIS Registry Site Well Approval Application, and submit it to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or through the GIS Registry web address listed above.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement.

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or along newly placed underground utility lines. The potential for vapor inhalation and 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.

It is in your best interest to keep all documentation related to the environmental activities at your site. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to protect and restore Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4704.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen D. Mueller", with a long horizontal flourish extending to the right.

Stephen D. Mueller
Senior Hydrogeologist
Site Review Section

cc: Heidi Woelfel, Shaw Environmental, Inc.



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

April 2, 2010

Mr. Geoffrey C. Nokes
Wisconsin Central, Ltd
17641 South Ashland Avenue
Homewood, IL 60430-1345

RE: Case Closure Consideration with Proposed Land Use Limitation for Industrial Zoning

Commerce # 53089-5303-01-A DNR BRRTS # 02-68-550170
Hardiman Oil Company (Former), N63 W23101 Main St, Sussex
Four Aboveground Storage Tanks removed by January 1, 1950

Dear Mr. Nokes:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Shaw Environmental, Inc., for the site referenced above. It is understood that residual soil contamination remains on site at concentrations that exceed the state's generic standards for non-industrial properties, but are less than the generic industrial standards. This letter serves as written notice that no further investigation or remedial action is necessary.

Please be aware that compliance with the requirements of this letter is a responsibility to which your company and any subsequent property owners must adhere, pursuant to section 292.12, Wisconsin Statutes. If these requirements are not followed, Commerce may take enforcement action under section 292.11, Wis. Stats., to ensure compliance with the specified requirements, limitations or other conditions related to the property, or this case may be reopened pursuant to section NR 726.09, Wisconsin Administrative Code.

Well Abandonment Requirements

Monitoring well MW-1 must be properly abandoned within 60 days and the appropriate documentation forwarded to Commerce at the letterhead address within 120 days of the date of this letter. Noncompliance with the abandonment requirement and deadline can result in enforcement action and financial penalties. A final closure letter will be sent after the abandonment requirement has been met.

Land Use Limitation Requirement for Industrial Zoning

Residual contaminated soil with concentrations exceeding the generic, non-industrial soil standards, but less than the generic industrial soil standards (per NR 720.11, Wis. Admin. Code), remains in the vicinity of soil boring B-7 (see attached map). Therefore, this site must remain zoned for industrial use and cannot be developed for residential, commercial, agricultural or other non-industrial use, unless (at the time that the non-industrial use is proposed) an investigation is conducted to determine the degree and extent of naphthalene contamination that remains on the property and remedial action is taken, if necessary, to meet all applicable non-industrial soil cleanup standards.

This limitation must be adhered to by the current property owner and subsequent owners. Failure to maintain the industrial zoning classification may result in financial penalties from \$10 to \$5,000 per day in

accordance with section 292.99(1), Wis. Stats. Acceptance of this limitation makes it unnecessary to conduct additional activities on the property at this time. If you do not want this limitation on your property, you must contact the undersigned to determine what remedial activities will be required, at your own expense, to close this case without the industrial zoning requirement.

GIS Registry of Closed Remediation Sites

Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. All sites on the Registry can be viewed via the Remediation and Redevelopment (RR) Sites Map at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Because residual contamination remains at the time of case closure, if you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

Residual Soil Contamination

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

Potential Vapor Migration

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or along newly placed underground utility lines. The potential for vapor inhalation and 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.

Claim Submittal Requirement

Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect and restore Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4704.

Sincerely,



Stephen D. Mueller
Senior Hydrogeologist
Site Review Section

Enclosure: Figure 2 Soil PAH Impacts (2-4') – Naphthalene

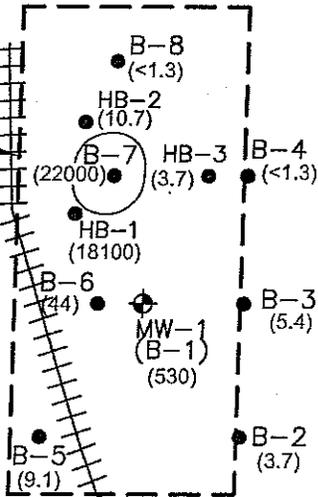
cc: Ms. Heidi Woelfel, Shaw Environmental, Inc.



MAIN STREET

TELEPHONE POLE

APPROXIMATE LOCATION OF FORMER AST AREA



QUAD/GRAPHICS BUILDING

TRANSFORMERS

APPROXIMATE SCALE IN FEET



LEGEND

- UE — UNDERGROUND ELECTRIC
- ##### RAILROAD TRACKS
- SOIL BORING
- ⊕ MONITORING WELL
- EXTENT OF DIRECT CONTACT NON-INDUSTRIAL STANDARD EXCEEDANCE
- (10.7) NAPHTHALENE CONCENTRATION ug/kg

		WISCONSIN CENTRAL, LTD FORMER HARDIMAN OIL LEASE SITE SUSSEX, WISCONSIN			
		FIGURE 2 SOIL PAH IMPACTS (0' - 4') - NAPHTHALENE			
DESIGNED BY		CHECKED BY			
DRAWN BY	JRD	10/28/08	APPROVED BY		
SIZE	SCALE	DRAWING NO.	SHEET NO.	REVISION NO.	
A	1"=50'	129144		1	

81
28

#11 @ and 8. Tow 198

Entered

DE NT
NT NT } 26. 8. 19

No. 5577

WARRANTY DEED.

Charles A. Proctor

TO

Chicago, Wisconsin

McQuinnia Road

RECEIVED FOR RECORD

This 1st day of October 1885

at 7:50 o'clock P.M., and recorded in

Book of Deeds, Vol. 66, on page 25

J. D. Roberts
Register of Deeds

This Indenture,

Made the first day of October in the year of our Lord one thousand eight hundred and eighty five

BETWEEN Charles B. Beech

of the town of Jackson, Waushara County, Wisconsin

Chicago Wisconsin and Minnesota Railroad part 4 of the first part, and the Company, a Corporation duly created, organized and existing under and by virtue of the laws of the State of Wisconsin party of the second part,

Witnesseth, That the said part 4 of the first part, for and in consideration of Eleven hundred and ninety five Dollars, paid by the said party of the second part, the receipt whereof is hereby acknowledged,

has 1175 Granted, Bargained, Sold, Remised, Released, Aliened and Confirmed, and by these presents do Grant, Bargain, Sell, Remise, Release, Alien and Confirm unto the said party of the second part and to its Successors and Assigns forever, all that certain Tract, Piece or Parcel of **LAND**, situate, lying and being in the County of Waushara and State of Wisconsin and described as follows, to-wit: A strip, belt or piece of Land, one hundred feet wide, comprising all that part of

the southeast quarter of the north east quarter, section twenty six (26), Township Eight (8) north of range nineteen (19) east, which is included within two lines running parallel with, one line being forty three and one half feet distant westerly, and the other line being fifty six and one half feet distant easterly, from the center line of the grantee's railroad as the same is located, surveyed and staked out over and across said tract of land. Also a strip of land two hundred and fifty (250) feet in width, comprising all that part of the north east quarter of the north east quarter, section twenty six (26), Township Eight (8) north of range nineteen (19) east

which is included within two lines running parallel with, one line being one hundred and forty three and 1/2 feet distant westerly, and the other line being one hundred and six and 1/2 feet distant easterly from the center line of the above named Company's railroad as said center line is located, surveyed and staked out over and across said above described tract of land.

Together with all and singular the Hereditaments and Appurtenances thereto belonging or in anywise connected therewith

whatsoever of the said part of the first part, either in law or equity, of, in and to the above-bargained premises, with the Hereditaments and Appurtenances.

To Have and to Hold the said premises as above described, with the appurtenances, unto the said party of the second part, and to its Successors and Assigns forever. And the said part of the first part, in consideration of said sum of money and as part of the consideration for the payment thereof to said part of the first part, do hereby release all damages to other lands and real estate by reason of constructing and operating a railroad on said strip.

And the said Charles B. Buck for himself and for his Heirs, Executors, Administrators and assigns, do Covenant, Grant, Bargain and Agree to and with the said party of the second part, and its Successors and Assigns, that at the time of the ensembling and delivery of these presents he is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the Law, in fee simple, and that the same are FREE AND CLEAR FROM ALL INCUMBRANCES WHATSOEVER, and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its Successors and Assigns, against all and every person or persons lawfully claiming or to claim the whole or any part thereof will FOREVER WARRANT AND DEFEND.

In Witness Whereof, The said part of the first part hereunto set hand and seal the day and year first above written.

Executed and Delivered in Presence of

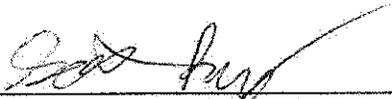
Witnesses: Charles B. Buck [SEAL], James Lemperton [SEAL], [SEAL], [SEAL]

STATE OF Wisconsin COUNTY of Winnebago ss. Be it Remembered, that on this 1st day of October A. D. 1885, personally came before me, the above named Charles B. Buck (widower) to me known to be the person who executed the above deed, and acknowledged the same.

Handwritten signatures and notes at the bottom right of the page.

**RESPONSIBLE PARTY STATEMENT REGARDING LEGAL DESCRIPTION
FORMER HARDIMAN OIL LEASE SITE
SUSSEX, WISCONSIN**

It is my understanding that the deed for the Wisconsin Central, Ltd. (WCL) right of way through Waukesha County, Wisconsin has been included in the GIS Registry Information for the former Hardiman Oil Lease site located on the southeast corner of the intersection of Main Street and the WCL right of way. It is my understanding that the Site is included within the legal description included on this document.



Signature

02/17/2010
Date



N64W23760 Main Street
Sussex, Wisconsin 53089
Phone (262) 246-5200
FAX (262) 246-5222
Email: wisussex@wi.il.com
Website: www.village.sussex.wi.us

October 29, 2008

To: Shaw Environmental, Inc.

From: Village of Sussex

Dear Heidi,

The zoning for the property located at N63W23075 Main Street is M-1. The N63W23101 Main Street is an invalid address for the Village of Sussex. The Hardiman Oil Company no longer exists.

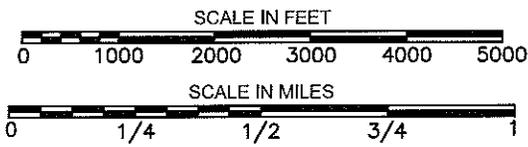
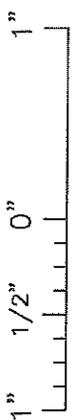
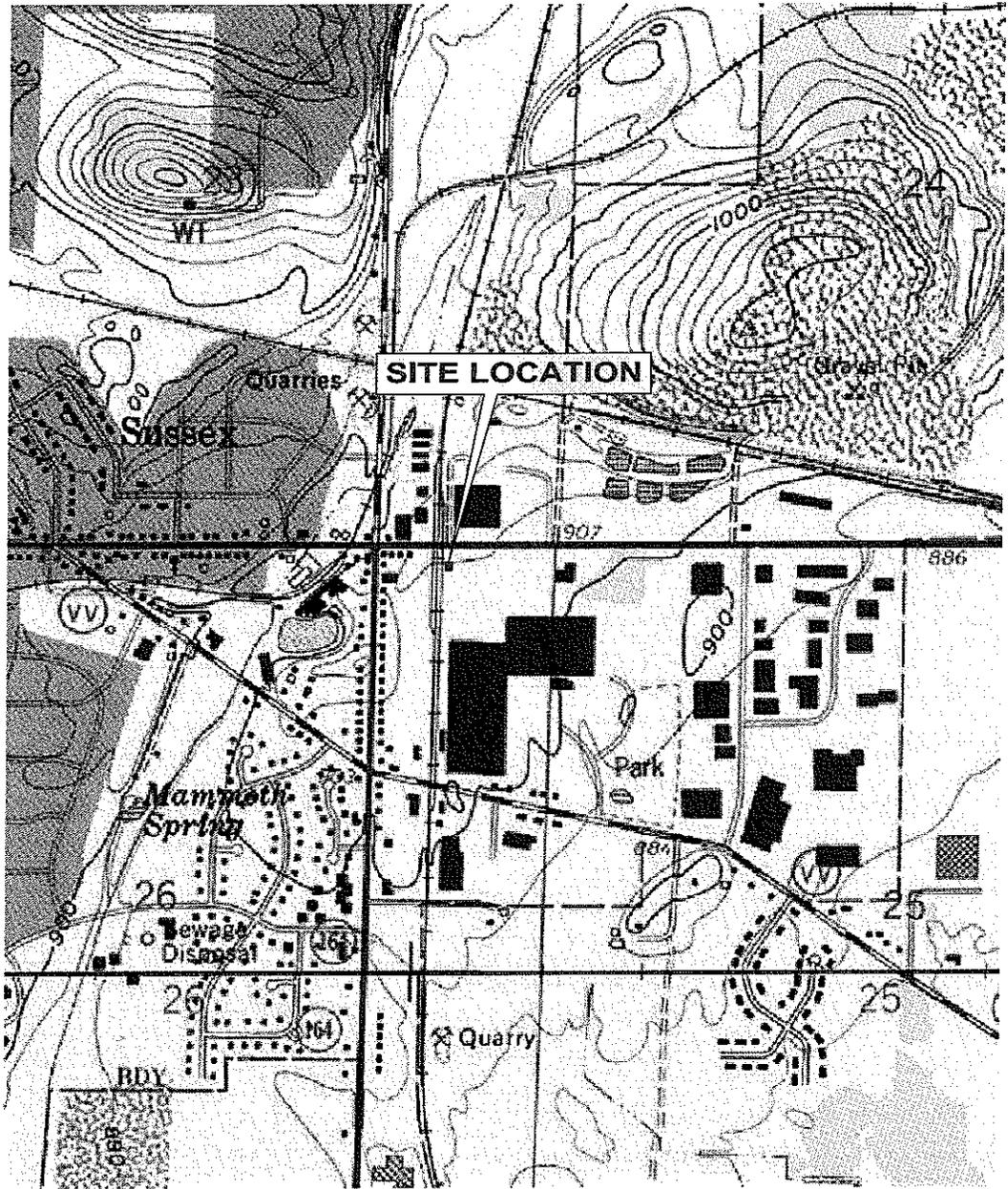
If you should need further information, please contact me.

Sincerely,

Kasey Fluett
Assistant Development Director

XREF Files: IMAGE Files: 000_ARIAL_MQ.jpg
 000_ARIAL_MQ_Page_2.jpg
 000_GeoTrans_Borings.jpg
 000_Proposed_Boring_Locations.jpg
 000_wll_2d.jpg
 topo1.tif
 topomap.bmp
 WLL_3D_SUSSEX.jpg

File: L:\CADDATA\DWG\SHAW_WISCONSIN\ASHWAUBENON (GREEN BAY)\CN\SUSSEX\PROPOSAL\LV-CN SUSSEX_PLN1ST 2007 SEP.dwg Layout: FIG1 SITE LOCATION MAP User: bruce.benoit May 13, 2008 -- 8:55am



Taken from the
SUSSEX, WISCONSIN
 7.5 Series U.S.G.S. Topographic Quadrangle
 TOPOZONE.COM



QUADRANGLE LOCATION

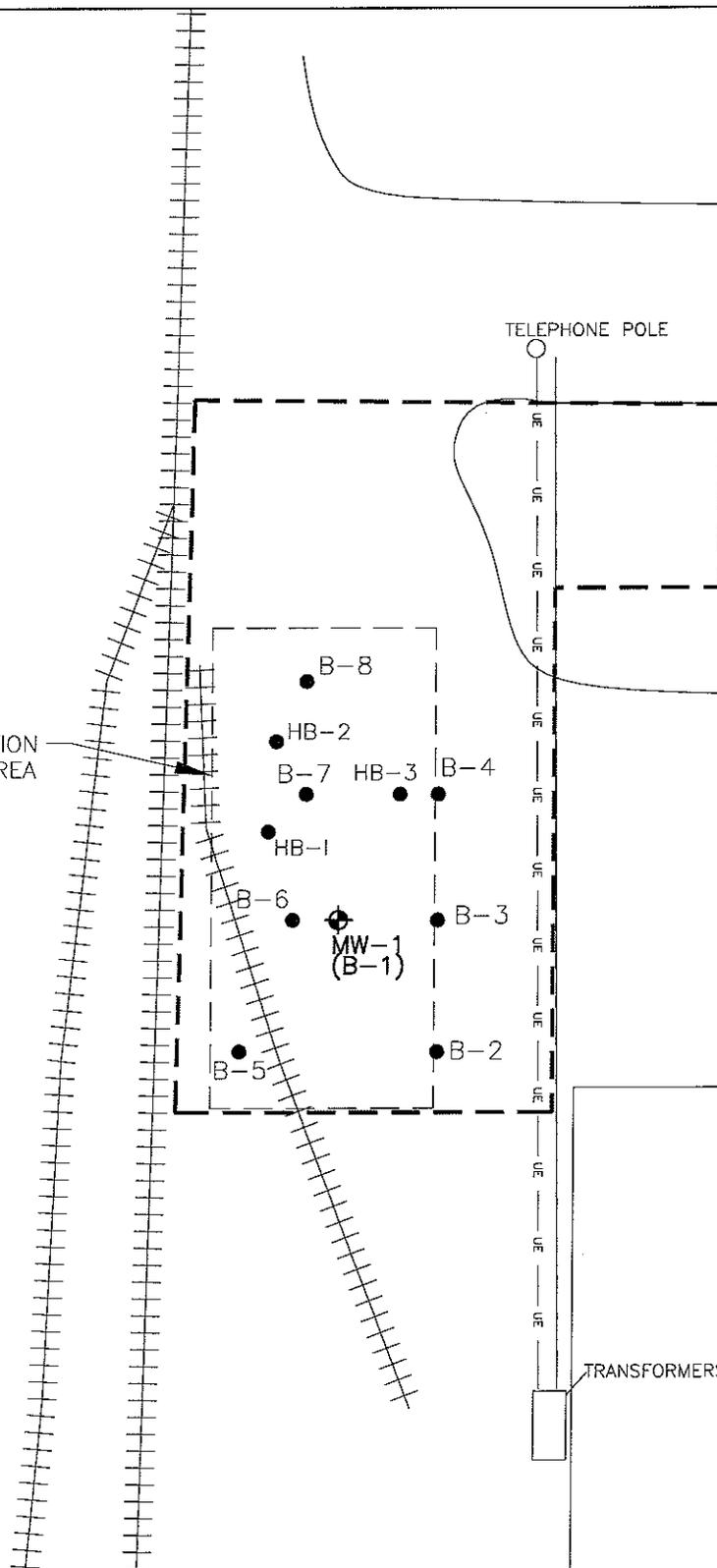
 Shaw The Shaw Group, Inc. CLIENT		Shaw Environmental, Inc. 5115 Douglas Street Wausau, WI 54981 (715) 457-3300 TITLE	
WISCONSIN CENTRAL, LTD LOCATION		SITE LOCATION MAP	
FORMER HARDIMAN OIL LEASE SITE Main Street Sussex, Wisconsin		DRWN DGS	CHKD MB
		REVISION DATE REVISION BY	PROJECT NO. PROP DATE 09/18/07
		FIGURE NO. 1	



MAIN STREET

TELEPHONE POLE

APPROXIMATE LOCATION OF FORMER AST AREA

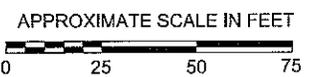


QUAD/GRAPHICS BUILDING

TRANSFORMERS

LEGEND

- UE — UNDERGROUND ELECTRIC
- +++++ RAILROAD TRACKS
- SOIL BORING
- ⊕ MONITORING WELL
- - - - - APPROXIMATE PROPERTY BOUNDARY FOR THE FORMER HARDIMAN OIL CO.



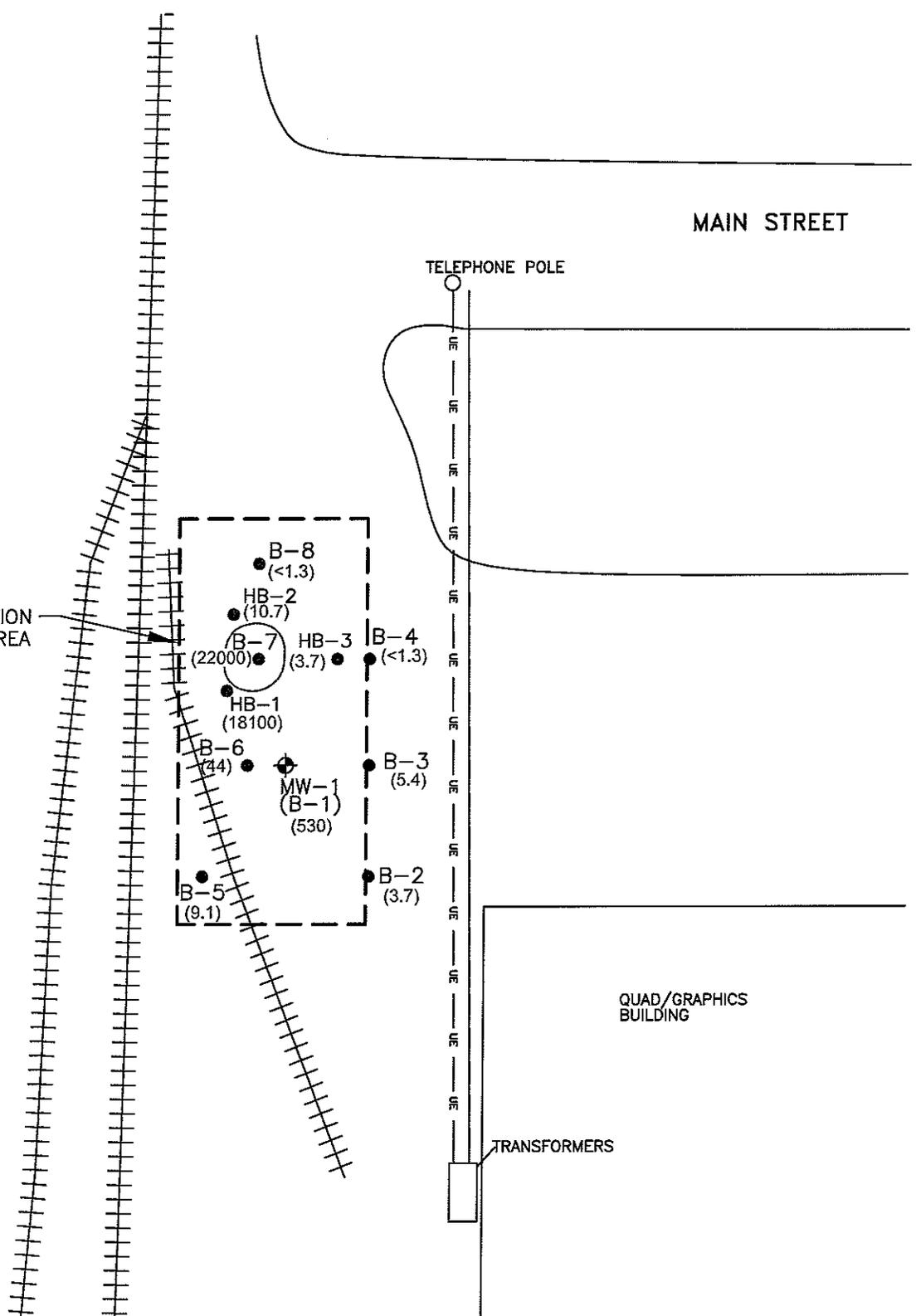
		WISCONSIN CENTRAL, LTD FORMER HARDIMAN OIL LEASE SITE SUSSEX, WISCONSIN			
		FIGURE 2 SITE PLAN			
DESIGNED BY		CHECKED BY			
DRAWN BY	JRD	10/29/08	APPROVED BY		
SIZE:	SCALE:	DRAWING NO.	SHEET NO.	REVISION NO.	
A	1"=50'	129141		5	



MAIN STREET

TELEPHONE POLE

APPROXIMATE LOCATION OF FORMER AST AREA



QUAD/GRAPHICS BUILDING

TRANSFORMERS

APPROXIMATE SCALE IN FEET



LEGEND

- UE — UNDERGROUND ELECTRIC
- ##### RAILROAD TRACKS
- SOIL BORING
- ⊕ MONITORING WELL
- EXTENT OF DIRECT CONTACT NON-INDUSTRIAL STANDARD EXCEEDANCE
- (10.7) NAPHTHALENE CONCENTRATION ug/kg

		WISCONSIN CENTRAL, LTD FORMER HARDIMAN OIL LEASE SITE SUSSEX, WISCONSIN			
		FIGURE 2 SOIL PAH IMPACTS (0' - 4') - NAPHTHALENE			
DESIGNED BY		CHECKED BY			
DRAWN BY	JRD	10/29/08	APPROVED BY		
SIZE:	SCALE:	DRAWING NO.	SHEET NO.	REVISION NO.	
A	1"=50'	129141		1	



LEGEND

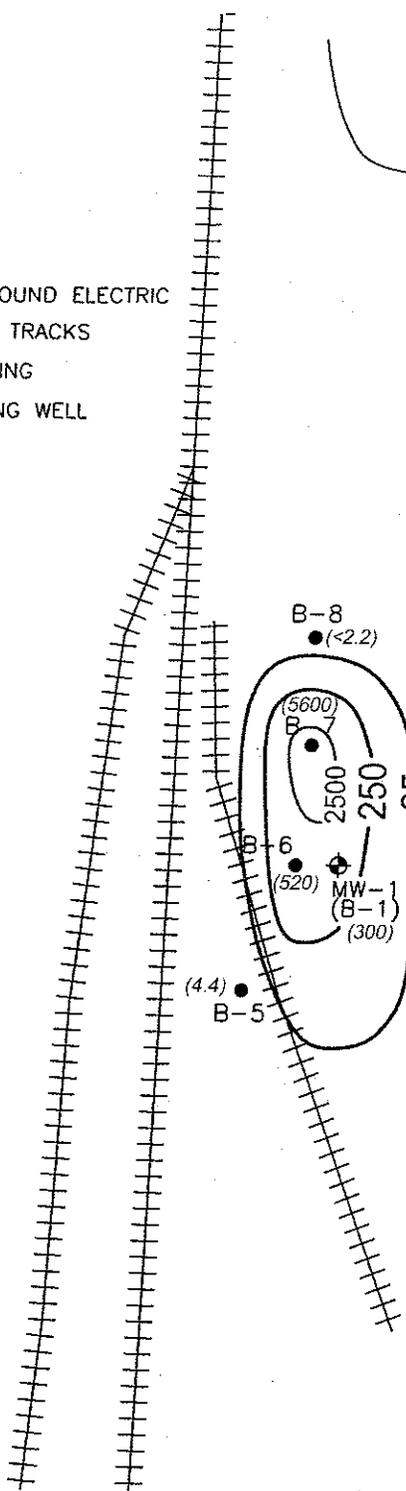
- UE — UNDERGROUND ELECTRIC
- ++++ RAILROAD TRACKS
- SOIL BORING
- ⊕ MONITORING WELL

MAIN STREET

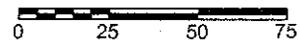
TELEPHONE POLE

QUAD/GRAPHICS BUILDING

TRANSFORMERS



APPROXIMATE SCALE IN FEET

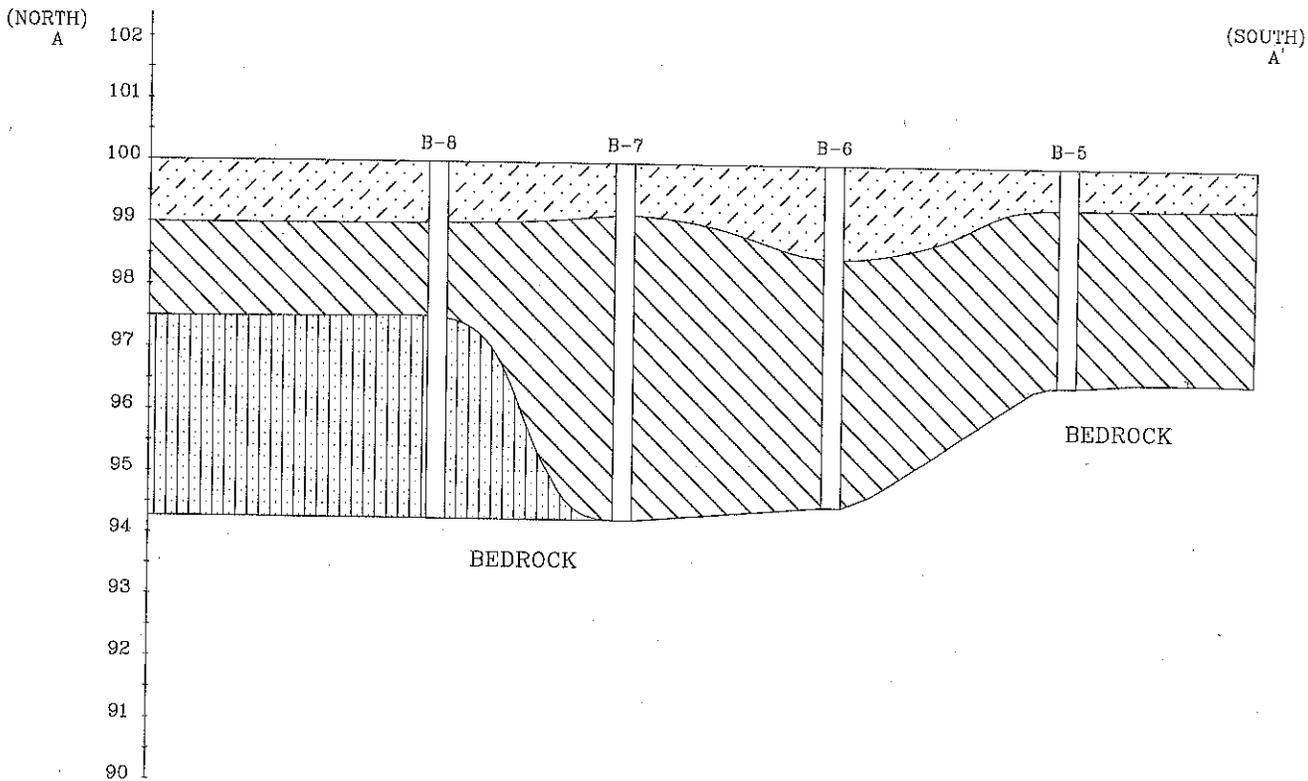


KEY

— 250 —
(670)

SOIL DRO DISTRIBUTION (0' - 4')
ISO-CONCENTRATION LINE
DRO DISTRIBUTION CONCENTRATION
IN SOIL (ug/Kg)

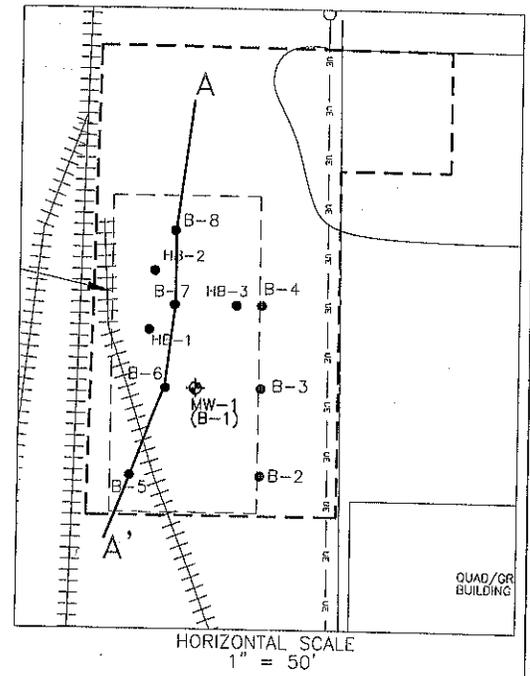
	WISCONSIN CENTRAL, LTD FORMER HARDIMAN OIL LEASE SITE SUSSEX, WISCONSIN		
	FIGURE 4 SOIL DRO DISTRIBUTION (0' - 4')		
DESIGNED BY		CHECKED BY	
DRAWN BY	BEB	02/14/08	APPROVED BY
SIZE:	SCALE:	DRAWING NO.	SHEET NO.
A	1"=50'	129141	0
			REVISION NO.
			0



LEGEND:

-  GRAVEL/FILL
-  SILTY CLAY
-  SILT

HORIZONTAL SCALE
1" = 40'



		WISCONSIN CENTRAL LTD FORMER HARLOWMAN OIL LEASE SITE SUSSEX, WISCONSIN			
		FIGURE 3 CROSS SECTION A - A'			
DESIGNED BY	JRD	CHECKED BY			
DRAWN BY	JRD	DATE	01/22/08	APPROVED BY	
SIZE	A	SCALE	1"=50'	DRAWING NO.	
				129141	
			SHEET NO.	REVISION NO.	
				3	

Table 1 Soil Summary

Summary of Soil VOC Results
 CN Sussex (Former Hardiman Oil Company)
 N63W23101
 Sussex, Wisconsin

Boring/Well Number Sample Date Sample Depth	Units	NR 720.00		NR 746.00		B-1		B-2		B-3		B-4		B-5		B-6		B-7		B-8	
		Generic RCLs	Table 1 (Product)	Table 2 (Contact)	1/15/2008 0'-2'	1/15/2008 4'-8'	1/15/2008 2'-4'	1/15/2008 4'-8'	1/15/2008 2'-4'	1/15/2008 4'-8'	1/15/2008 0'-2'	1/15/2008 4'-6'	1/15/2008 0'-2'	1/15/2008 2'-4'	1/15/2008 0'-2'	1/15/2008 2'-4'	1/15/2008 2'-4'	1/15/2008 4'-8'	1/15/2008 2'-4'	1/15/2008 4'-8'	1/15/2008 4'-8'
PID	ppmv				22	11		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Range Organics	mg/kg	100/250	NES	NES	390	19	O	2.1	O	2.2	O	1.8	O	2.4	O	2.5	O	20	O	37	O
1,2,4-Trichlorobenzene	µg/kg	NES	NES	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	550	KO	820	KO
1,3,5-Trimethylbenzene	µg/kg	NES	[11000]	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	370	KO	670	KO
Benzene	µg/kg	5.5	[8500]	f700	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	880	KO	1200	KO
Ethylbenzene	µg/kg	2000	[4500]	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	62	QKC	120	QKC
Methyl-tert-butyl-ether (MTBE)	µg/kg	NES	NES	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	170	KO	270	KO
Toluene	µg/kg	1500	[38000]	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	32	KO	120	KO
Xylene, o	µg/kg	4100	[42000]	NES	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	62	KO	120	KO
Xylenes, m + p	µg/kg	4100	[42000]	NES	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	80	KO	120	KO

NOTES:
 PID = organic vapor meter/photosoxidation detector
 VOCs = Volatile Organic Compounds
 mg/kg = milligrams per kilogram
 ppmv = parts per million per volume
 µg/kg = micrograms per kilogram
 O = analyte detected between the limit of detection (LOD) and limit of quantitation (LOQ)
 K = Detection limit may be elevated due to the presence of an unrequested analyte
 B = analyte is present in method blank
 O = Sample received overweight
 NA = not analyzed
 NES = no established standard
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 Red/Bold = Wisconsin Administrative Code NR 720.00 Generic Residual Contaminant Level (RCL) exceedance
 Blue/italic = Wisconsin Administrative Code NR 746.00 Table 2 (Direct Contact) exceedance
 Blue/Bold = Wisconsin Administrative Code NR 746.00 Table 1 (Product lead center) exceedance

Table 2 Soil Summary

Summary of Soil PAH Results
 CN Sussex (Former Hardiman Oil Company)
 N63W23101
 Sussex, Wisconsin

Boring/Well Number	RR-519-97 Table 1				B-1		B-2		B-3		B-4		B-5		B-6		B-7		B-8				
	Sample Date	Groundwater Pathway	Direct Contact		1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008			
			Units	Non-Ind	Industrial	0'-2'	4'-6'	2'-4'	4'-6'	2'-4'	4'-6'	0'-2'	4'-6'	0'-2'	2'-4'	2'-4'	4'-6'	2'-4'	4'-6'	2'-4'	4'-6'		
PID	ppmV				22	11	0	0	0	0	0	0	0	0	20	37	204	214	0				
1-Methylnaphthalene	µg/kg	23000	1100000	70000000	1400	21	5.5	< 1.5	7.7	1.8	Q	< 1.6	18	5.3	Q	< 1.5	980	3000	1200	57000			
2-Methylnaphthalene	µg/kg	20000	600000	40000000	2000	29	8.5	< 1.6	11	3.3	Q	< 1.9	Q	26	7.9	2.1	180	89000	21000	13000			
Acenaphthene	µg/kg	38000	900000	60000000	77	< 1.8	< 2.0	< 1.7	< 2.0	< 1.7	Q	< 1.8	< 1.9	Q	2.9	< 2.1	160	3500	770	< 1.5			
Acenaphthylene	µg/kg	700	18000	360000	30	Q	< 1.9	< 1.9	< 2.2	Q	< 1.8	< 1.9	Q	2.6	< 1.9	< 2.1	150	210	21000	< 1.8			
Anthracene	µg/kg	3000000	5000000	300000000	82	< 2.1	3.8	Q	2.2	Q	< 2.0	< 1.9	Q	2.9	Q	35	9.1	35	80	770	< 1.8		
Benzo(a)anthracene	µg/kg	17000	88	3900	< 11	< 2.1	13	< 2.0	2.4	Q	< 2.0	< 2.1	2.3	Q	63	14	110	180	2200	300	Q		
Benzo(a)pyrene	µg/kg	49000	8.8	390	< 11	< 2.0	19	< 1.9	5.9	Q	< 2.0	< 2.1	5.1	Q	90	25	< 4.1	< 13	< 270	< 450	< 2.1		
Benzo(b)fluoranthene	µg/kg	360000	88	3900	< 11	< 2.0	22	< 2.0	7.7	< 1.9	< 2.0	< 2.0	5.2	Q	150	49	< 3.9	< 12	< 260	< 120	< 2.1		
Benzo(g)hperylene	µg/kg	6800000	1800	39000	< 12	< 2.2	14	< 2.1	6.5	Q	< 2.1	< 2.0	5.4	Q	170	47	< 4.0	< 12	< 270	< 130	< 2.0		
Benzo(k)fluoranthene	µg/kg	870000	880	39000	< 11	< 1.9	14	< 1.9	7.3	< 1.8	< 2.2	< 2.2	3.9	Q	100	35	< 4.3	< 13	< 290	< 130	< 2.2		
Chrysene	µg/kg	37000	8800	390000	< 14	Q	< 2.3	< 2.2	9.0	< 2.2	< 1.9	< 1.9	4.8	Q	160	51	< 3.8	< 12	< 250	< 120	< 1.9		
Dibenz(a,h)anthracene	µg/kg	38000	8.8	390	< 12	< 2.2	4.2	Q	2.4	< 2.1	< 2.2	< 2.2	7.0	Q	150	41	< 4.6	< 14	< 300	< 140	< 2.3		
Fluoranthene	µg/kg	500000	600000	40000000	15	Q	< 2.1	< 2.1	12	< 2.0	< 2.1	< 2.1	2.3	Q	38	12	< 4.3	< 13	< 290	< 130	< 2.2		
Fluorene	µg/kg	100000	600000	40000000	96	< 1.9	< 1.9	< 1.9	2.1	< 1.8	< 1.9	< 1.9	2.2	Q	50	21	9.1	1.8	17	Q	< 290	< 130	< 2.1
Indeno(1,2,3-cd)pyrene	µg/kg	680000	88	3900	< 12	< 2.1	8.3	< 2.0	5.1	Q	< 2.0	< 2.1	3.1	Q	< 2.0	180	360	45000	960	< 1.9			
Naphthalene	µg/kg	400	20000	110000	530	5.1	3.7	Q	5.4	< 1.3	< 1.2	< 1.3	39	Q	9.1	30	4.1	< 13	< 280	< 130	< 2.1		
Phenanthrene	µg/kg	1800	18000	390000	390	3.9	18	< 2.0	11	< 1.9	< 1.8	< 2.7	Q	11	17	2.8	Q	44	260	22000	5800	< 1.3	
Pyrene	µg/kg	8700000	600000	39000000	38	Q	< 2.2	< 2.2	24	< 2.0	< 2.1	< 2.2	Q	8.7	57	22	40	57	22	40	57	< 2.1	

Boring/Well Number	RR-519-97 Table 1				HB-1	HB-2	HB-3
	Sample Date	Groundwater Pathway	Direct Contact		10/7/2009	10/7/2009	10/7/2009
			Non-Ind	Industrial	1'-2'	1'-2'	1'-2'
PID	ppmV						
1-Methylnaphthalene	µg/kg	23000	1100000	70000000	30600	12.8	J
2-Methylnaphthalene	µg/kg	20000	600000	40000000	49100	24.6	J
Acenaphthene	µg/kg	38000	900000	60000000	1230	1.1	U
Acenaphthylene	µg/kg	700	18000	360000	1020	3.2	J
Anthracene	µg/kg	3000000	5000000	300000000	956	9.9	J
Benzo(a)anthracene	µg/kg	17000	88	3900	1750	10.3	U
Benzo(a)pyrene	µg/kg	49000	8.8	390	758	7.1	J
Benzo(b)fluoranthene	µg/kg	360000	88	3900	1180	9.7	J
Benzo(g)hperylene	µg/kg	6800000	1800	39000	880	5.9	J
Benzo(k)fluoranthene	µg/kg	870000	880	39000	1300	8.4	J
Chrysene	µg/kg	37000	8800	390000	719	10	J
Dibenz(a,h)anthracene	µg/kg	38000	8.8	390	974	5.7	U
Fluoranthene	µg/kg	500000	600000	40000000	230	8.9	J
Fluorene	µg/kg	100000	600000	40000000	2470	1.1	U
Indeno(1,2,3-cd)pyrene	µg/kg	680000	88	3900	878	5.2	U
Naphthalene	µg/kg	400	20000	110000	18100	10.7	J
Phenanthrene	µg/kg	1800	18000	390000	4170	6.8	J
Pyrene	µg/kg	8700000	600000	39000000	212	6.6	J

NOTES:
 PID = organic vapor meter/photoluminescence detector
 PAH = Polycyclic Aromatic Hydrocarbons
 ppmV = parts per million per volume
 µg/kg = micrograms per kilogram
 NA = not analyzed
 Q = analysis detected between the limit of detection (LOD) and limit of quantitation (LOQ)
 * = precision not within control limits
 & = laboratory control spike recovery not within control limits
 Boldface = RR-519-97 Table 1 (suggested groundwater pathway RCL) exceedance
 Red/Bold = RR-519-97 Table 1 (suggested non-industrial direct contact pathway RCL) exceedance
 Green/Underline = RR-519-97 Table 1 (suggested non-industrial direct contact pathway RCL) exceedance

Table 3 Soil Summary

Summary of Soil RCRA Metals Results
 CN Sussex (Former Hardiman Oil Company)
 N63W23101
 Sussex, Wisconsin

Boring/Well Number	NR 720.11 Table 2		B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	
	Direct Contact		1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	1/15/2008	
Sample Date	Units	Non-Ind	Industrial	0'-2'	2'-4'	2'-4'	0'-2'	0'-2'	2'-4'	2'-4'	4'-6'
Lead	mg/kg	50	500	18	8.7	15	13	19	4.9	15	5.6

NOTES:
 PID = organic vapor meter/photoionization detector
 RCRA = Resource Conservation Recovery Act
 ppm/v = parts per million per volume
 mg/kg = milligrams per kilogram
 NES = no established standard
Red/Bold = Wisconsin Administrative Code NR 720.11 Table 2 (non-industrial RCL) exceedence
Green/Underline = Wisconsin Administrative Code NR 720.11 Table 2 (industrial RCL) exceedence

Table 4 Groundwater Summary

Summary of Groundwater VOC Results CN Sussex (Former Hardiman Oil Company) N63W23101 Sussex, Wisconsin				
Well Number Sample Date	NR 140.10 Table 1		MW-1 1/18/2008	
	Units	PAL ES		
1,1,1,2-Tetrachloroethane	µg/l	7 70	<	0.92
1,1,1-Trichloroethane	µg/l	40 200	<	0.9
1,1,2,2-Tetrachloroethane	µg/l	0.02 0.2	<	0.2
1,1,2-Trichloroethane	µg/l	0.5 5	<	0.42
1,1-Dichloroethane	µg/l	85 860	<	0.75
1,1-Dichloroethene	µg/l	0.7 7	<	0.57
1,1-Dichloropropene	µg/l	NES NES	<	0.75
1,2,3-Trichlorobenzene	µg/l	NES NES	<	0.74
1,2,3-Trichloropropane	µg/l	12 60	<	0.99
1,2,4-Trichlorobenzene	µg/l	14 70	<	0.97
1,2,4-Trimethylbenzene	µg/l	96* 480*	<	0.97
1,2-Dibromo-3-chloropropane	µg/l	0.02 0.2	<	0.87
1,2-Dibromoethane	µg/l	0.005 0.05	<	0.56
1,2-Dichlorobenzene	µg/l	60 600	<	0.83
1,2-Dichloroethane (1,2-DCA)	µg/l	0.5 5	<	0.36
1,2-Dichloropropane	µg/l	0.5 5	<	0.46
1,3,5-Trimethylbenzene	µg/l	96* 480*	<	0.83
1,3-Dichlorobenzene	µg/l	125 1250	<	0.87
1,3-Dichloropropane	µg/l	NES NES	<	0.61
1,4-Dichlorobenzene	µg/l	15 75	<	0.95
2,2-Dichloropropane	µg/l	NES NES	<	0.62
2-Chlorotoluene	µg/l	NES NES	<	0.65
4-Chlorotoluene	µg/l	NES NES	<	0.74
Benzene	µg/l	0.5 5	<	0.41
Bromobenzene	µg/l	NES NES	<	0.82
Bromochloromethane	µg/l	NES NES	<	0.97
Bromodichloromethane	µg/l	0.06 0.6	<	0.66
Bromoform	µg/l	0.44 4.4	<	0.94
Bromomethane	µg/l	1 10	<	0.91
Carbon Tetrachloride	µg/l	0.5 5	<	0.49
Chlorobenzene	µg/l	NES NES	<	0.41
Chlorodibromomethane	µg/l	5 60	<	0.81
Chloroethane	µg/l	80 400	<	0.97
Chloroform	µg/l	0.6 6	<	0.37
Chloromethane	µg/l	0.3 3	<	0.24
cis-1,2-Dichloroethene (DCE)	µg/l	7 70	<	0.83
cis-1,3-Dichloropropane	µg/l	0.02 0.2	<	0.19
Dibromomethane	µg/l	NES NES	<	0.6
Dichlorodifluoromethane	µg/l	200 1000	<	0.99
Diisopropyl Ether	µg/l	NES NES	<	0.76
Ethylbenzene	µg/l	140 700	<	0.54
Fluorotrichloromethane	µg/l	688 3490	<	0.79
Hexachlorobutadiene	µg/l	NES NES	<	0.64
Isopropylbenzene	µg/l	NES NES	<	0.59
Methylene Chloride	µg/l	0.5 5	<	0.43
Methyl-tert-butyl-ether (MTBE)	µg/l	12 60	<	0.61
Naphthalene	µg/l	8 40	<	0.74
n-Butylbenzene	µg/l	NES NES	<	0.93
n-Propylbenzene	µg/l	NES NES	<	0.81
p-Isopropyltoluene	µg/l	NES NES	<	0.67
sec-Butylbenzene	µg/l	NES NES	<	0.89
Styrene	µg/l	10 100	<	0.86
tert-Butylbenzene	µg/l	NES NES	<	0.97
Tetrachloroethene (PCE)	µg/l	0.5 5	<	0.45
Toluene	µg/l	200 1000	<	0.67
trans-1,2-Dichloroethene (DCE)	µg/l	20 100	<	0.89
trans-1,3-Dichloropropane	µg/l	0.02 0.2	<	0.19
Trichloroethene (TCE)	µg/l	0.5 5	<	0.48
Vinyl Chloride	µg/l	0.02 0.2	<	0.18
Xylene, o	µg/l	1000* 10000*	<	1.8
Xylenes, m + p	µg/l	1000* 10000*	<	0.83

NOTES
 NES = no established standard
 NA = not analyzed
 µg/l = micrograms per liter
 [D] = duplicate sample
 Q = analyte detected between the limit of detection (LOD) and limit of quantitation (LOQ)
 Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedance
 Blue/italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedance

Summary of Groundwater PAH Results CN Sussex (Former Hardiman Oil Company) N63W23101 Sussex, Wisconsin				
Well Number Sample Date	R 140.10 Table		MW-1 1/18/2008	
	Units	PAL ES		
1-Methylnaphthyl	µg/l	NES NES	<	0
2-Methylnaphthyl	µg/l	NES NES	<	0
Acenaphthene	µg/l	NES NES	<	0
Acenaphthylene	µg/l	NES NES	<	0
Anthracene	µg/l	## 3000	<	0
Benzo(a)anthracene	µg/l	NES NES	<	0
Benzo(a)pyrene	µg/l	0 0.2	<	0
Benzo(b)fluoranthene	µg/l	0 0.2	<	0
Benzo(ghi)perylene	µg/l	NES NES	<	0
Benzo(k)fluoranthene	µg/l	NES NES	<	0
Chrysene	µg/l	0 0.2	<	0
Dibenz(a,h)anthracene	µg/l	NES NES	<	0
Fluoranthene	µg/l	80 400	<	0
Fluorene	µg/l	80 400	<	0
Indeno(1,2,3-cd)pyrene	µg/l	NES NES	<	0
Naphthalene	µg/l	8 40	<	0
Phenanthrene	µg/l	NES NES	<	0
Pyrene	µg/l	50 250	<	0.1

NOTES
 PAH = Polycyclic Aromatic Hydrocarbons
 NES = no established standard
 NA = not analyzed
 µg/l = micrograms per liter
 Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedance
 Blue/italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedance

Summary of Groundwater RCRA Metals Results CN Sussex (Former Hardiman Oil Company) N63W23101 Sussex, Wisconsin				
Boring/Well NR 140.10 Table Sample Date	MW-1 1/18/2008			
	PAL	ES		
Lead	µg/l	2 15	<	0.1

NOTES
 RCRA = Resource Conservation Recovery Act
 µg/l = micrograms per liter
 Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedance
 Blue/italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedance

Table 5 Groundwater Elevations

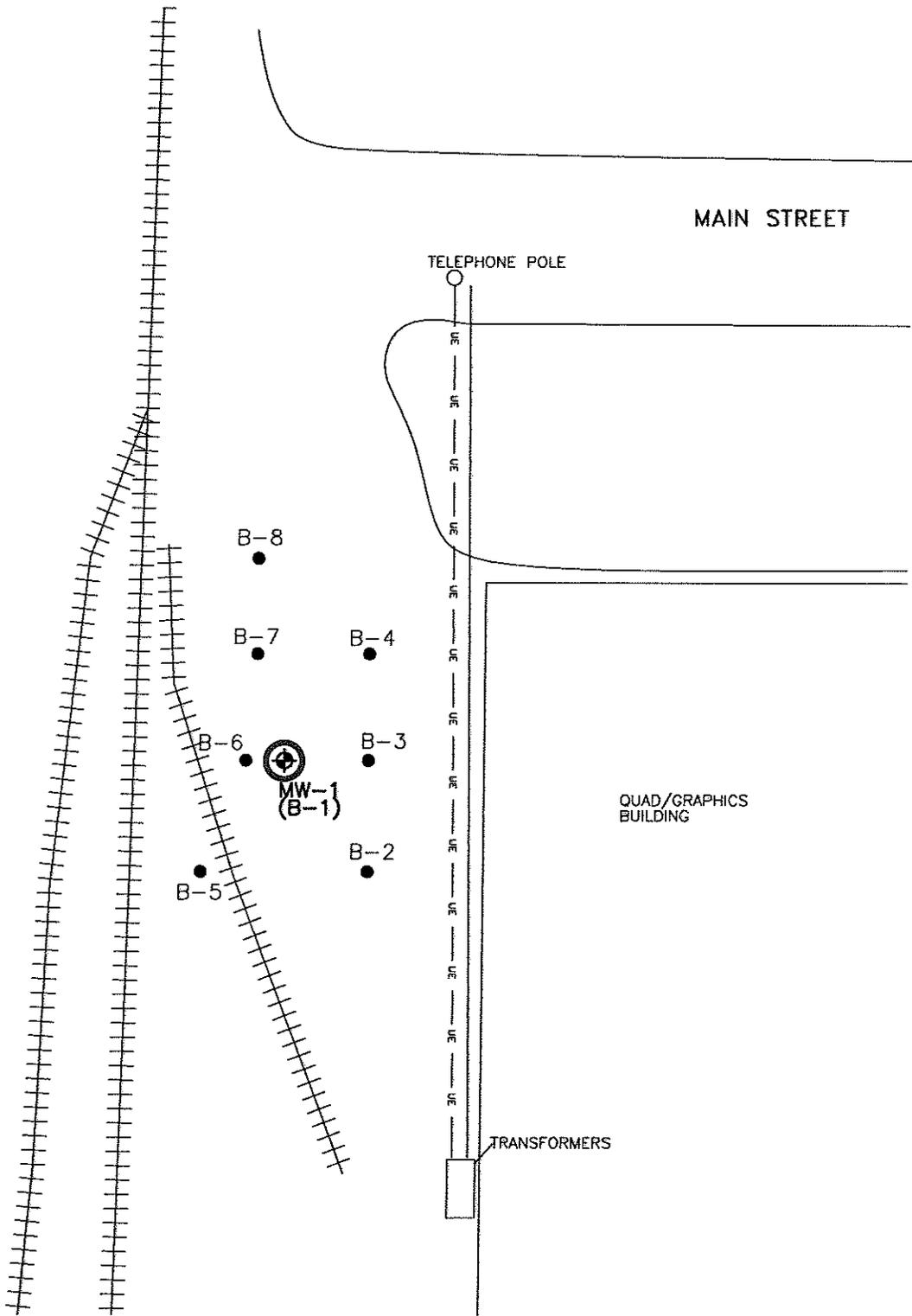
**Summary of Groundwater Elevations
CN Sussex (Former Hardiman Oil Company)
N63W23101
Sussex, Wisconsin**

Well Number	Measurement Date	Top of Casing Elevation (ft msl)	Screen Interval		Depth to Water (ft btoc)	Water Elevation (ft msl)	Change in Water Elevation (ft)
			Top (ft msl)	Bottom (ft msl)			
MW-1	1/16/2008	100.00	93.67	83.67	7.15	92.85	
	1/18/2008	100.00	93.67	83.67	6.67	93.33	0.48
	1/24/2008	100.00	93.67	83.67	7.22	92.78	-0.55

NOTES

- ft bgs = feet below ground surface
- ft bm = feet relative to benchmark
- ft btoc = feet below top of casing
- ft msl = feet relative to mean sea level

IMPROPERLY ABANDONED
MONITORING WELL



LEGEND

- UE — UNDERGROUND ELECTRIC
- ||||| RAILROAD TRACKS
- SOIL BORING
- ⊕ MONITORING WELL
- IMPROPERLY ABANDONED MONITORING WELL

		CANADIAN NATIONAL RAILWAY PROPERTY SUSSEX, WISCONSIN MILWAUKEE, WISCONSIN			
		FIGURE 2 FORMER TANK FARM AREA SITE PLAN AND LAYOUT MAP			
DESIGNED BY		CHECKED BY			
DRAWN BY	JRO	01/22/08	APPROVED BY		
SIZE:	SCALE:	DRAWING NO.	SHEET NO.	REVISION NO.	
A	1"=50'	129141		2	

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name CN/Sussex 129141	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. " Long. " or	Wis. Unique Well No. <u>JH654</u> DNR Well ID No.
Facility ID <u>129141</u>	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <u>1/16/08</u> m m d d y y v v
Type of Well Well Code <u>11 / mw</u>	Section Location of Waste/Source <u>NE 1/4 of NE 1/4 of Sec. 26, T. 8 N, R. 19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Kevin Liner</u>
Distance from Waste/Source ft. <u> </u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	GeoTrans
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number	

- A. Protective pipe, top elevation 100 ft. MSL
- B. Well casing, top elevation 99.5 ft. MSL
- C. Land surface elevation 100 ft. MSL
- D. Surface seal, bottom 6.5 ft. MSL or 6.5 ft.

12. USCS classification of soil near screen:
 GP GM GC OW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis performed? Yes No

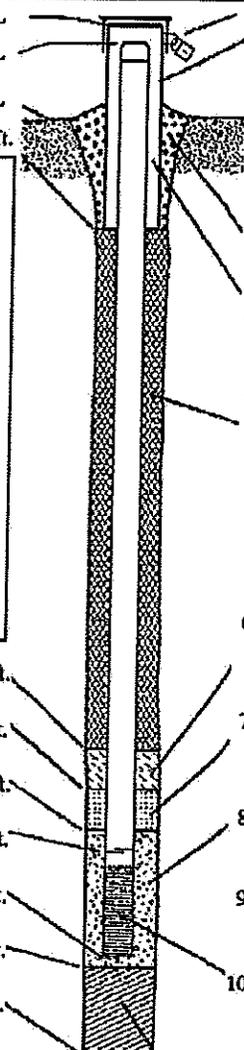
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: 12 in.
 - b. Length: 1 ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30
Concrete 01
Other
- 4. Material between well casing and protective pipe: Bentonite 30
Other
- 5. Annular space seal: a. Granular/Chipped Bentonite 33
 b. Lbs/gal mud weight ... Bentonite-sand slurry 35
 c. Lbs/gal mud weight ... Bentonite slurry 31
 d. % Bentonite ... Bentonite-cement grout 50
 e. Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08
- 6. Bentonite seal: a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 c. Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 a. R.W. Sidley Inc. #4000
- 8. Filter pack material: Manufacturer, product name & mesh size
 a. R.W. Sidley Inc. #5
 b. Volume added 5 ft³
- 9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
- 10. Screen material:
 - a. Screen type: Factory cut 11
 Continuous slot 01
 Other
 - b. Manufacturer _____
 - c. Slot size: 0.01 in.
 - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None 14
 Other

- E. Bentonite seal, top 6.5 ft. MSL or 6.5 ft.
- F. Fine sand, top 6.5 ft. MSL or 6.5 ft.
- G. Filter pack, top 7 ft. MSL or 7 ft.
- H. Screen joint, top 7 ft. MSL or 7 ft.
- I. Well bottom 17 ft. MSL or 17 ft.
- J. Filter pack, bottom 17 ft. MSL or 17 ft.
- K. Borehole, bottom 17 ft. MSL or 17 ft.
- L. Borehole, diameter 8.3 in.
- M. O.D. well casing 2.25 in.
- N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature]

Firm Draw Environmental

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.



Shaw Environmental, Inc.
111 West Pleasant Street, Suite 105
Milwaukee, WI 53212-3939
Tel: 414.291.2350
Fax: 414.291.2385

September 27, 2010

Mr. Scott Ransberry
Project Coordinator
CN - Environment
17641 S. Ashland Ave.
Homewood, IL 60430

**RE: Notification of Improperly Abandoned Groundwater Monitoring Well
Former Hardiman Oil Company Lease Site
N63 W23101 West Main Street
Sussex, Wisconsin
BRRTS No. 02-68-550170
Shaw Project No. 129141**

Dear Mr. Ransberry:

Shaw Environmental, Inc. (Shaw) prepared this notice of an improperly abandoned groundwater monitoring well on the Former Hardiman Oil Company (former bulk petroleum facility) Lease Site located at N63 W23101 West Main Street, Sussex, Wisconsin, per Wisconsin Department of Natural Resources (WDNR) requirements. The lease Site is located adjacent to the Wisconsin Central Limited Rail line and to the east of the Quad Graphics facility.

A groundwater monitoring well was installed in January 2008 on the Former Hardiman Oil Company lease property as part of an environmental site investigation of the former bulk petroleum site. The site was granted conditional case closure by the Wisconsin Department of Commerce (COMM) on April 2, 2010. In May and June 2010, Shaw attempted to properly abandon monitoring well (MW-1) per NR 141.25 requirements. Site grading activities and gravel fill placement were conducted by the adjacent property owner, Quad Graphics, on the lease site and monitoring well MW-1 could not be located. The attached map shows the location of the groundwater monitoring well remaining on the lease property.

In accordance with the closure requirements of Chapter NR 726, Wisconsin Administrative Code (WAC), the WDNR requires this letter to notify you that one groundwater monitoring well still exists on the property, and that this property will be listed on the WDNR's geographic information system (GIS) Registry of Closed Remediation Sites. GIS Registry information is available to the general public on the WDNR's internet web site at www.dnr.state.wi.us/org/at/et/geo/qwur. Please note, if the monitoring well is ever located, the well will need to be abandoned according to the requirements of Chapter NR 141.25 WAC.

A copy of this notification letter will be provided to COMM. If you have any questions or need additional information, you may contact me at 414-291-2372.

Sincerely,
SHAW ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "Heidi Woelfel", written over a white background.

Heidi Woelfel
Project Manager

Attachment: Figure 2- Site Plan