GIS REGISTRY
Cover Sheet

May, 2008
(RR 5367)

Source Property Information

CLOSURE DATE: May 11, 2010

BRRTS #: **03-29-113842**

FID #: 729055690

ACTIVITY NAME: Volk Field Building 531

DATCP #:

PROPERTY ADDRESS: 100 Independence Drive

COMM #:

MUNICIPALITY: Camp Douglas

PARCEL ID #: NA

***WTM COORDINATES:**

X: 449165 Y: 384595

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

WTM COORDINATES REPRESENT:

(•) Approximate Center Of Contaminant Source

( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

☒ Groundwater Contamination > ES *(236)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

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

☒ Soil Contamination > *RCL or **SSRCL or Direct Contact > 4 ft *(232)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

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

Land Use Controls:

☐ Soil: maintain industrial zoning *(220)*

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

☐ Structural Impediment *(224)*

☐ Site Specific Condition *(228)*

☐ Cover or Barrier *(222)*

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

☐ Vapor Mitigation *(226)*

☐ Maintain Liability Exemption *(230)*

(***note:*** *local government or economic development corporation)*

Monitoring wells properly abandoned? *(234)*

(•) Yes ( ) No

** 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 4/08)

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 #: 03-29-113842 PARCEL ID #: NA

ACTIVITY NAME: Volk Field Building 531 WTM COORDINATES: X: 499165 Y: 384595

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

- [X] **Closure Letter**
- [ ] **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)
- [X] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- [X] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [X] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [X] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- [X] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 **Title: Volk Field Building 531**
- [X] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 **Title: Site Map**
- [X] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 3 **Title: Site Sketch**

BRRTS #: 03-29-113842 ACTIVITY NAME: Volk Field Building 531

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 #: 6 **Title: Geologic 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 #: 4 **Title: Estimated Extent of groundwater contamination greater than NR 140 ES**

☒ **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 #: 5 **Title: Groundwater contour map**

Figure #: **Title:**

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

Tables must be no larger than 8.5 x 14 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, 4, 6 **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 #: 1, 2, 5 **Title: Groundwater Analytical 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 #: 10 **Title: Groundwater Elevation Summary**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

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

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

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

BRRTS #: 03-29-113842 ACTIVITY NAME: Volk Field Building 531

NOTIFICATIONS

Source Property

- ☐ **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.

- ☐ **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:

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830
TTY Access via relay - 711

May 11, 2010

Major Michael Dunlap
Environmental Manager
CRTC Volk Field
100 Independence Drive
Camp Douglas, WI 54618

SUBJECT: Final Case Closure
Building 531, Volk Field, Camp Douglas, WI
WDNR BRRTS Activity #: 03-29-113842

Dear Mr. Dunlap:

On June 12, 2009, the Department of Natural Resources reviewed your request for closure of the case described above. The West Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. At that time the Closure Committee required additional sampling to complete the site investigation. The Department has since received the additional sampling information and on January 28, 2010, you were notified that conditional closure had been granted to this case.

On May 10, 2010, the Department received information or documentation indicating that you have complied with the requirements for final closure. The only condition of closure was monitoring well abandonment.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Groundwater contamination is present above Chapter NR 140 enforcement standards

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior 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. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Residual soil contamination remains in the vicinity of the former underground storage tank as indicated in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Residual Groundwater Contamination

Groundwater impacted by petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

The Department 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 me at (715)-252-2873.

Sincerely,

/ Dave Rozeboom

Dave Rozeboom
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Cindy Zelenka, CWE, 5707 Schofield Ave, PO Box 107, Weston, WI 54476-0107

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494
Telephone 715-421-7800
FAX 715-421-7830
TTY Access via relay - 711

January 28, 2010

Major Michael Dunlap
Environmental Manager
CRTC Volk Field
100 Independence Drive
Camp Douglas, WI 54618

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Building 531, Volk Field, Camp Douglas, Wisconsin
WDNR BRRTS Activity # 03-29-113842

Dear Mr. Dunlap:

On June 12, 12008, the Wisconsin Department of Natural Resources reviewed your request for closure of the case described above. The West Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the area in the vicinity of the former storage tank system appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-005 found at http://dnr.wi.gov/org/water/dwg/gw/ or provided by the Department of Natural Resources.

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 421-7873.

Sincerely,

Dave Rozeboom
Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosure

cc: Cindy Zelenka, CWE, 5707 Schofield Avenue, PO Box 107, Weston, WI 54476-0107

Vol. 392 Page 119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

09 JUN 1986
(Date)

TO WHOM IT MAY CONCERN:

I HEREBY CERTIFY That the attached reproduction(s) is a (extract) copy of documents on file in this office.

IN TESTIMONY WHEREOF I have hereunto subscribed my name and caused the seal of this office to be affixed on the above day and year.

B. E. Clark
(Authorized Signature)

INDEXED

ENTERED

315335

Register's Office) SS
Juneau County, Wis.)
Received for Record

NOV 16 1992

at 1:45 P. M. and Recorded
In Vol. 392 of Records Page
119-122

Louise Kolbe
REGISTER OF DEEDS

Form 1270-1
(May 1976)
☆GPO 772-903

The United States

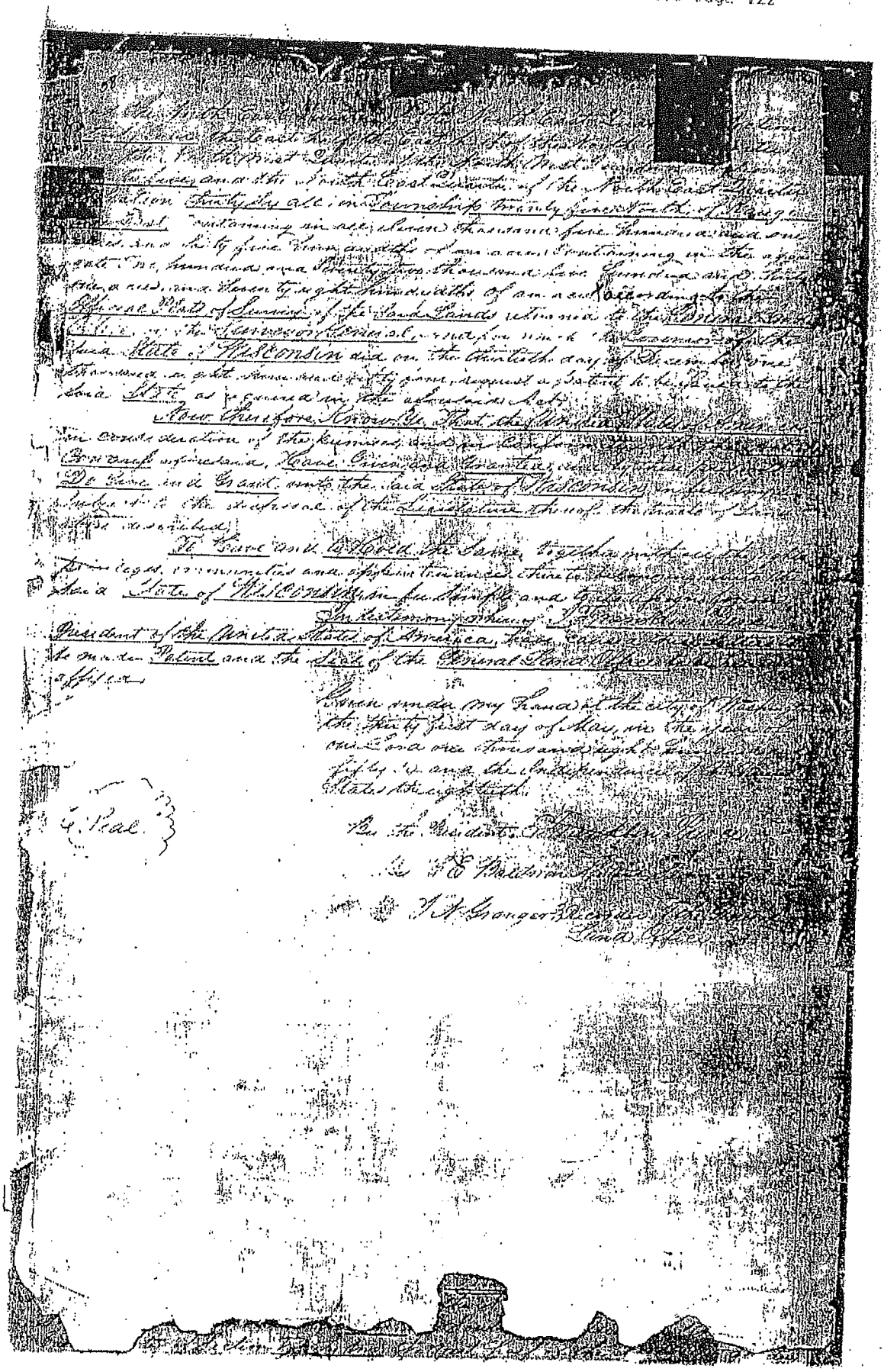
No 1 (45)

To all to whom these presents shall come, Greeting

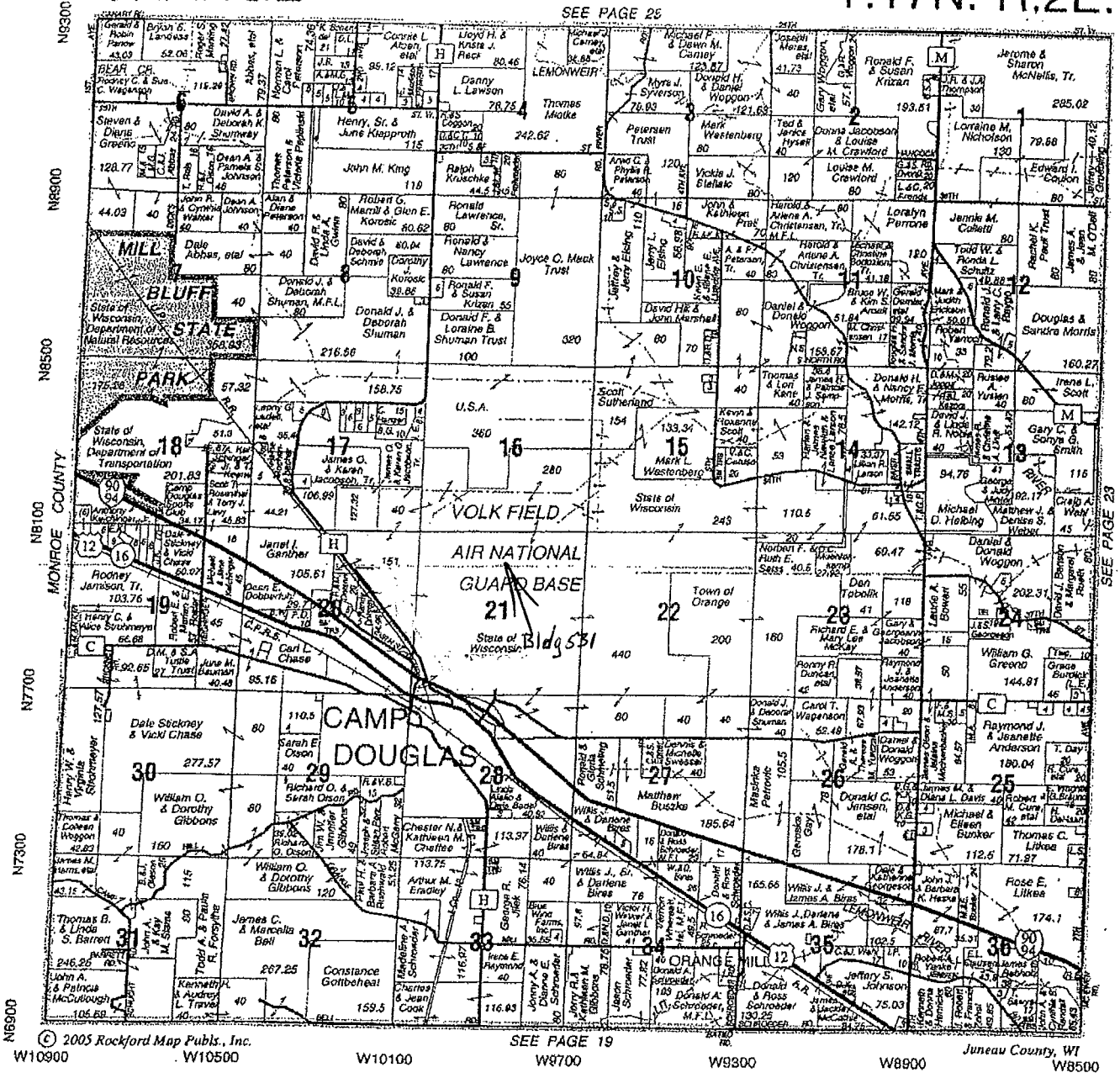
Whereas, by the Act of Congress approved September 28th, 1850
entitled "An Act to enable the State of Arkansas and other States
to reclaim the "Swamp Lands" within their limits," it is provided
that all the "Swamp and Overflowed Lands" made unfit thereby
for cultivation within the State of Wisconsin which remained
unsold at the passage of said Act, shall be granted to said State.
And Whereas in pursuance of instructions from the General
Land Office of the United States the several tracts or parcels
of Lands hereinafter described have been selected as "Swamp and
Overflowed Lands" inuring to the said State, under the Act afore
said, being situated in the District of Lands subject to sale
at Stevens Point Wisconsin, to wit, the North East Quarter of the
North East Quarter of Section twelve, the North East Quarter, the
South East Quarter of the North West Quarter, the East Half of the
South West Quarter and the North West Quarter of the South East
Quarter of Section twenty and the West Half of the South West Quar
ter of Section twenty four all in Township Fifteen North of Range
two East containing in all four hundred and forty acres. Also
the whole of fractional Section one, the whole of fractional Section two
the whole of fractional Section three, the North fractional half of
Section four the West fractional half of the North West Quarter and
the West half of the South West Quarter of Section five, the [illegible]
tional half, the North East fractional Quarter, and the South [illegible]
tional half of the North West Quarter of Section six, the North
half, the South East Quarter and the North East Quarter of the [illegible]
West Quarter of Section seven, the South West Quarter of the North
East Quarter, the North West Quarter, and the South half of Section
eight the South half and the South half of the North East Quarter of
Section nine the East half of the South East Quarter, the South East
Quarter of the South West Quarter, the West half of the South West
Quarter, and the North West Quarter of the North West Quarter of
Section ten, the North West Quarter of the North East Quarter, the
South half of the North East Quarter, the South East Quarter, and
the West half of Section eleven the North East Quarter and the North
East Quarter of the South East Quarter, the South East Quarter of the
South West Quarter, and the West half of the South West Quarter of
Section twelve, the North West Quarter of the North West Quarter of
Section thirteen the North East Quarter of the North East Quarter
the West half of the North East Quarter, the North West Quarter
the West half of the South West Quarter and the North East Quarter
of the South West Quarter of Section fourteen, the whole of Section
fifteen the whole of Section seventeen, the North East Quarter, the South
fractional half, and the South fractional half of the North West Quar
ter of Section eighteen, the North half of the North East Quarter and
the North East Quarter of the North West Quarter of Section nineteen
the North half, the East half of the South West Quarter, the North East
Quarter of the South East Quarter, and the West half of the South
East Quarter of Section twenty, the North West Quarter of the North
East Quarter, the North West Quarter and the North West Quarter
of the South West Quarter of Section twenty one, the East half, the East
half of the North West Quarter, the North West Quarter of the North West
Quarter, and the South East Quarter of the South West Quarter of Section
twenty two the East half of the North East Quarter, the North West
Quarter of the North East Qu[illegible] the West half of the South East
Quarter the South West Quar[illegible] West half of the North West
[illegible] the South East Quarter of [illegible] North West Quarter of Section

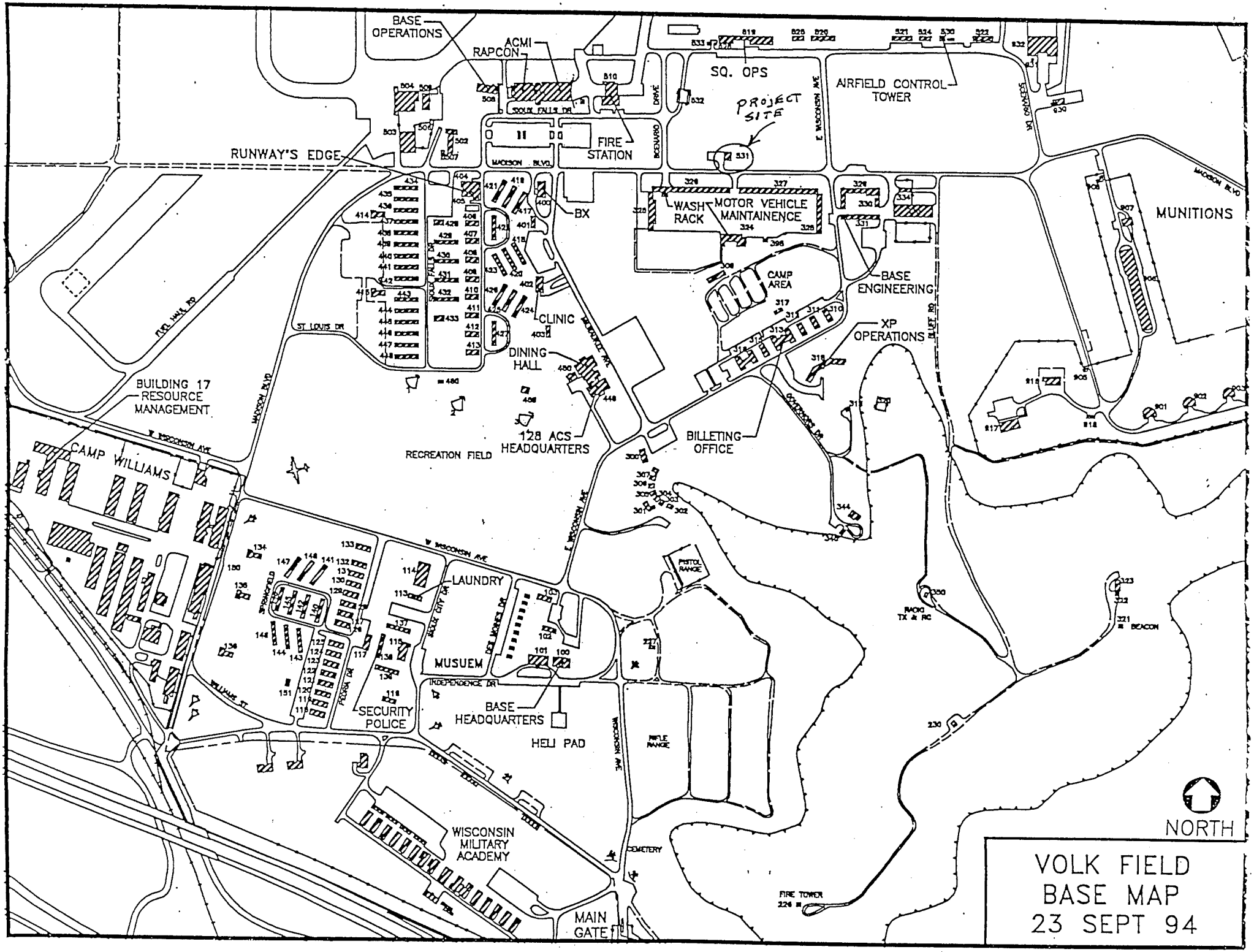
46 PAT.

[illegible] the whole of Section twenty six, the whole of Section twenty [illegible] Quarter of Section [illegible]
the East half of the South East Quarter and the South East
Quarter of the North East Quarter of Section twenty eight, the North half
of the North East Quarter and the North East Quarter of the North
West Quarter of Section thirty four, the West half of the North West Quarter,
the North East Quarter of the North West Quarter, and the North West
Quarter of the North East Quarter of Section thirty five, All in Town
ship Seventeen North of Range two East Containing in all eleven
thousand four hundred and forty seven acres and fifteen hundr
edths of an acre, Also, the West fractional half the South East Quarter
and the West fractional half of the North East Quarter of Section one,
the whole of fractional Section two, the whole of fractional Section three,
the whole of fractional Section four, the whole of fractional Section five,
the whole of fractional Section six, the whole of fractional Section seven,
the whole of Section eight, the whole of Section nine, the whole of Section
ten, the whole of Section eleven, the whole of Section twelve, the whole of
Section thirteen, the whole of Section fourteen, the whole of Section
fifteen, the whole of Section seventeen, the whole of fractional Section
eighteen, the whole of fractional Section nineteen, the whole of Section
twenty, the whole of Section twenty one, the whole of Section twenty
two, the whole of Section twenty three, the whole of Section twenty four,
the whole of Section twenty five, the whole of Section twenty six, the whole
of Section twenty seven, the whole of Section twenty eight, the whole of
Section twenty nine, the whole of fractional Section thirty, the whole
of fractional Section thirty one, the whole of Section thirty two, the whole
of Section thirty three, the whole of Section thirty four, the East half of
the North East Quarter, and the East half of the South East Quarter
of Section thirty six, all in Township eighteen North of Range two East
Containing in all Twenty one thousand two hundred and fifty six
and thirty nine hundredths of an acre. Also the whole of fractional
Section one, the whole of fractional Section two, the whole of fractional Section
three, the whole of fractional Section four, the whole of fractional Sec
tion five, the East fractional half, the South West fractional Quarter,
the East fractional half of the North West Quarter of Section six, the
whole of Section seven, the whole of Section eight, the whole of Section nine,
the whole of Section ten, the whole of Section eleven, the whole of Section twelve,
the whole of Section thirteen, the whole of Section fourteen, the whole of
Section fifteen, the whole of Section seventeen, the whole of fractional
Section eighteen, the whole of fractional Section nineteen, the whole
of Section twenty, the whole of Section twenty one, the whole of Section
twenty two, the whole of Section twenty three, the whole of Section twenty
four, the East half, the South West Quarter, and the South West Quarter
of the North West Quarter of Section twenty five, the whole of Section twenty
six, the whole of Section twenty seven, the whole of Section twenty eight,
the whole of Section twenty nine, the whole of fractional Section thirty,
the whole of fractional Section thirty one, the whole of Section thirty two,
the whole of Section thirty three, the whole of Section thirty four, the whole
of Section thirty five, the West half, the North East Quarter, the West half
of the South East Quarter and the North East Quarter of the South East
Quarter of Section thirty six all in Township Nineteen North of Range
two East containing in all Twenty two thousand one hundred and ninety
[illegible] acres and seventy [illegible] hundredths of an acre. Also the South [illegible]
the North West fractional Quarter, the South half of the North
[illegible] fractional Quarter and the North West fractional Quarter of the [illegible]
Quarter of Section one, the whole of fractional Section two, the whole
of fractional Section three, the whole of fractional Section four, the [illegible]
fractional [illegible] fractional Section [illegible]
fractional Section [illegible]



ORANGE T.17N.-R.2E.




BASE OPERATIONS
ACMI
RAPCON
SQ. OPS
AIRFIELD CONTROL TOWER
PROJECT SITE
RUNWAY'S EDGE
FIRE STATION
BX
WASH RACK
MOTOR VEHICLE MAINTAINENCE
MUNITIONS
CAMP AREA
BASE ENGINEERING
CLINIC
XP OPERATIONS
DINING HALL
BUILDING 17
RESOURCE MANAGEMENT
128 ACS HEADQUARTERS
BILLETING OFFICE
RECREATION FIELD
CAMP WILLIAMS
LAUNDRY
MUSUEM
SECURITY POLICE
BASE HEADQUARTERS
HELI PAD
PISTOL RANGE
RIFLE RANGE
WISCONSIN MILITARY ACADEMY
CEMETERY
MAIN GATE
FIRE TOWER
NORTH
VOLK FIELD
BASE MAP
23 SEPT 94

March 5, 2008

Mr. David Rozeboom
Wisconsin Department of Natural Resources
473 Griffith Avenue
Wisconsin Rapids, WI 54494

Re: GIS Information
Building 531, Volk Field, Camp Douglas, Wisconsin
WTM Coordinates: 499179, 384581
BRRTS # 03-29-113842

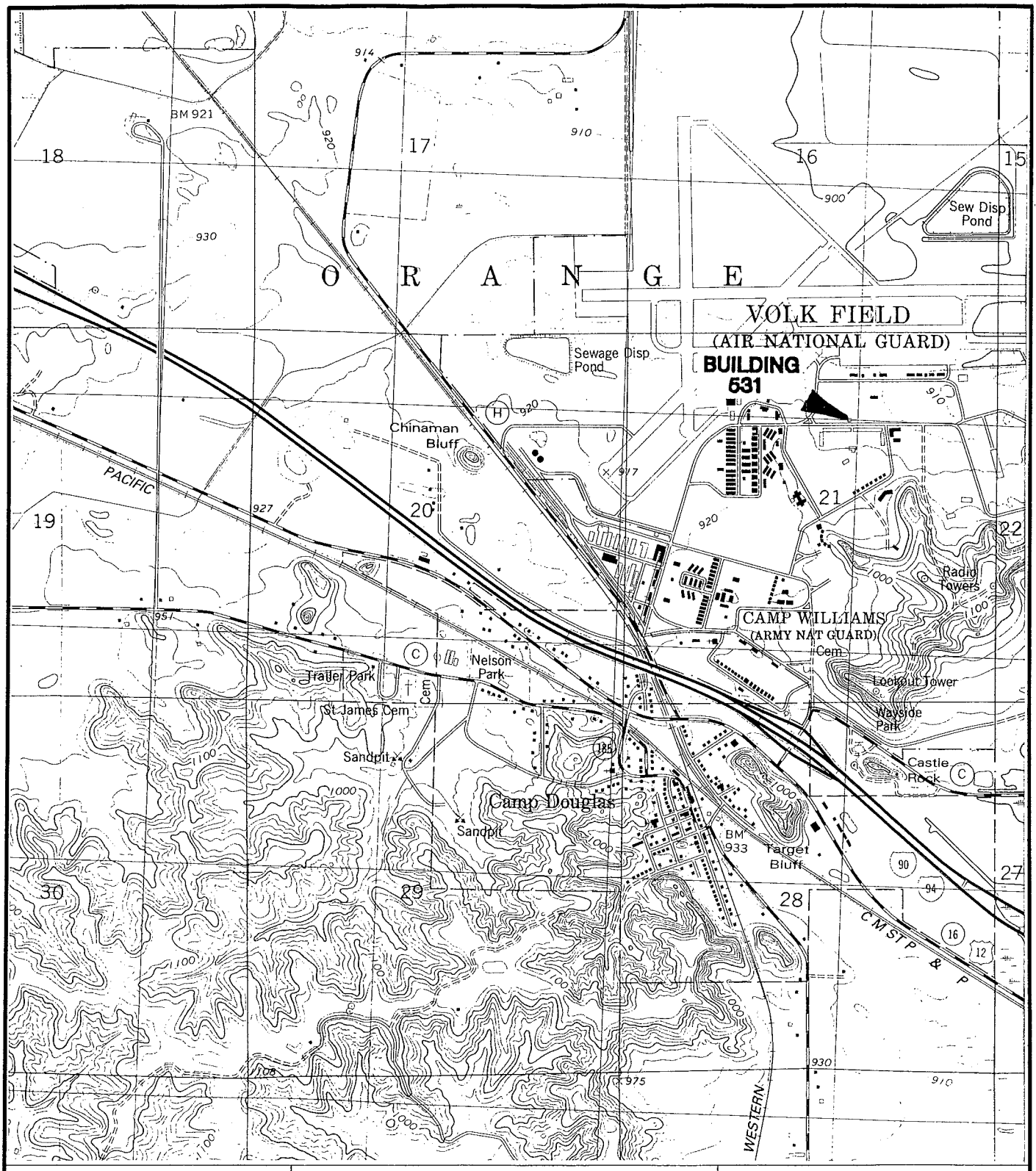
Dear Mr. Rozeboom:

As required by the Department of Natural Resources checklist to place the site on the GIS Registry of Contaminated sites, this letter shall serve as my statement and it is my belief that the legal description has been attached for each property that is within, or partially within, the contaminated site boundary. The undersigned does not attest to the accuracy of the attached legal description.

Sincerely,

MICHAEL J. DUNLAP
Enviromental Manager
Enclosure

D:\Documents\clinton\clintonStatement.doc



AYRES ASSOCIATES

SITE LOCATION

MAPPING SOURCE:
USGS 7.5 MINUTE
TOPOGRAPHIC QUADRANGLE
CAMP DOUGLAS, WISCONSIN

NORTH

0 1000 2000 3000
GRAPHIC SCALE IN FEET

FIGURE 1

PROJECT LOCATION

VOLKFIELD BUILDING 531
CAMP DOUGLAS, WISCONSIN

DATE: 07-22-98
JOB NUMBER: 53-0260.00

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DATE OF PLOT: 07/22/98
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DGN LEVELS ON = 1-63
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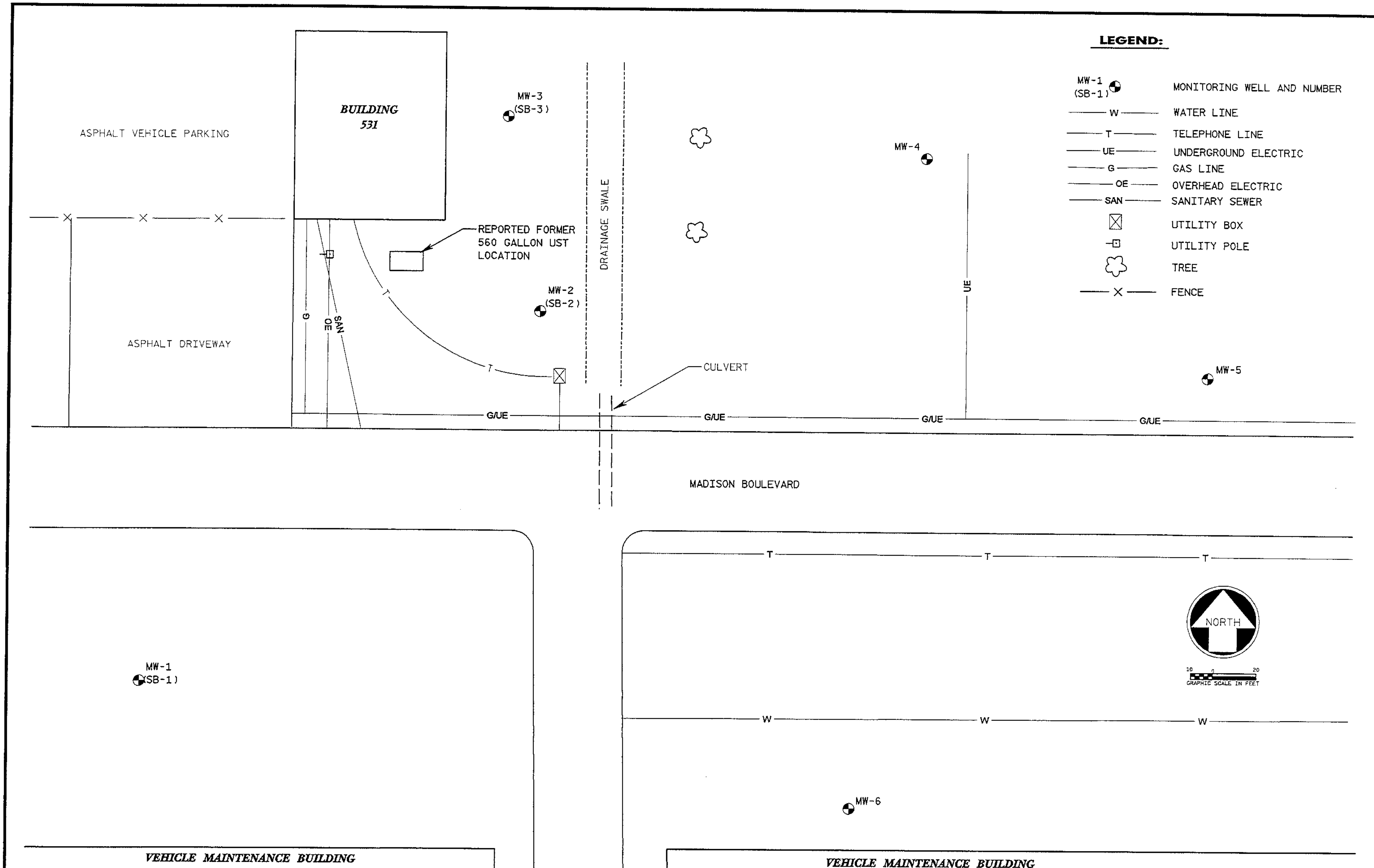


DR.BY WAH	BOOK NO.	NO.	DATE	REVISION	NO.	DATE	REVISION
CHK.BY TC	JOB NO. 53-0726.00						
DATE FEB 2008	SCALE 1" = 40'						

VOLKFIELD BUILDING 531
CAMP DOUGLAS, WISCONSIN

AYRES

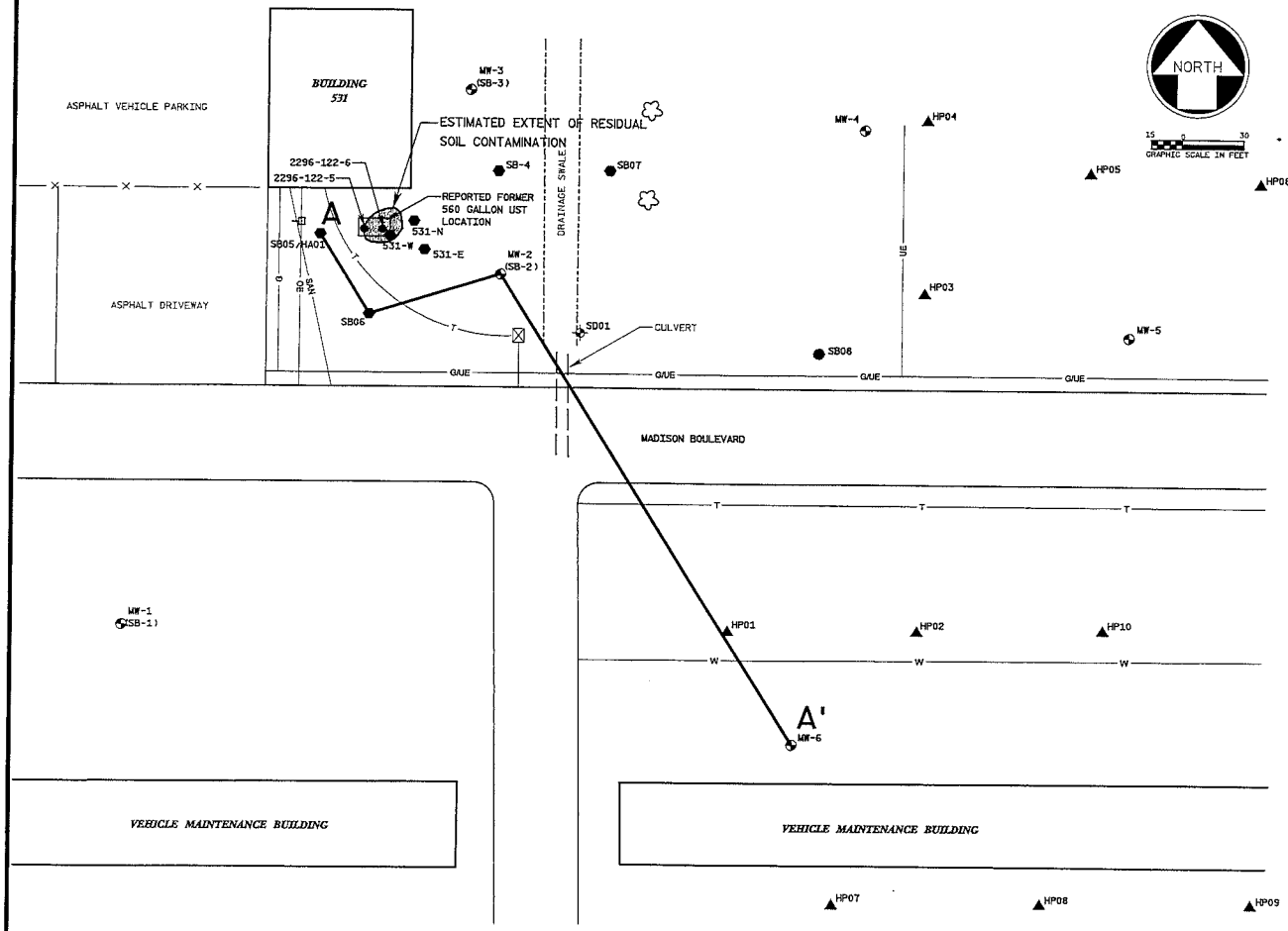
SITE MAP

DRAWING REDUCED TO ONE-HALF ORIGINAL SCALE

DRAWING NO. #2

SHEET NO.

3/4/2008 modlbw.tbl d:\DGN\53072600\WD\53072600_01.DGN



LEGEND:

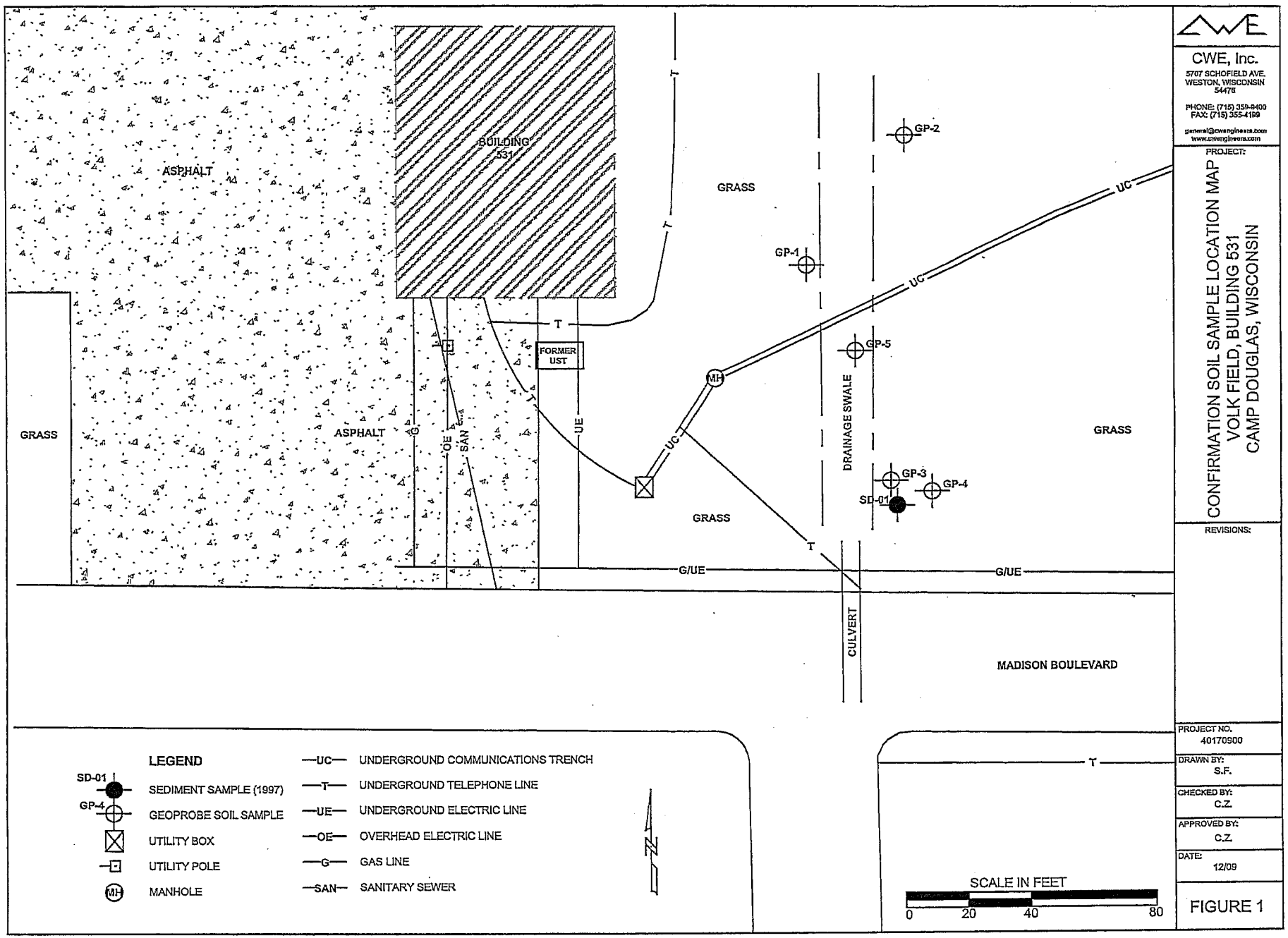
- 2296-122-5 — CLOSURE ASSESSMENT SOIL SAMPLE LOCATION AND NUMBER
- MW-1 (SB-1) — MONITORING WELL AND NUMBER
- SB-4 — SOIL BORING LOCATION AND NUMBER
- SB05/HA01 — SOIL BORING INSTALLED BY HAND AUGER
- HP01 — HYDROPUNCH LOCATION AND NUMBER
- SD01 — SEDIMENT SAMPLE LOCATION AND NUMBER
- W — WATER LINE
- T — TELEPHONE LINE
- UE — UNDERGROUND ELECTRIC
- G — GAS LINE
- OE — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- UTILITY BOX
- UTILITY POLE
- TREE
- X — FENCE
- A — A' GEOLOGIC CROSS SECTION LOCATION

NOTES:

1. BASE MAP DEVELOPED FROM A DRAWING PREPARED BY T.N. AND ASSOCIATES. "SOIL BORING AND MONITORING WELL LOCATIONS", PROJECT No. 193036, DATED JUNE 20, 1994.
2. CLOSURE ASSESSMENT SOIL SAMPLES 2296-122-5 AND 2296-122-6 COLLECTED BY ENVIROSCAN ON NOVERBER 1, 1991.
3. SOIL BORINGS 531-N, 531-E, AND 531-W DRILLED BY T.N. AND ASSOCIATES ON NOVEMBER 10, 1993.
4. SOIL BORINGS SB01 THROUGH SB04 DRILLED AND MONITORING WELLS MW01 THROUGH MW03 INSTALLED BY T.N. AND ASSOCIATES IN NOVEMBER, 1994.
5. SOIL BORING SB05/HA01 COMPLETED BY HAND AUGER BY MONTGOMERY WATSON ON JULY 31, 1996.
6. SOIL BORINGS SB06 THROUGH SB08 DRILLED BY BOART LONGYEAR UNDER THE SUPERVISION OF MONTGOMERY WATSON ON JULY 31, 1996.
7. HYDROPUNCH HP01 THROUGH HP10 COMPLETED BY U.S. FILTER/ ENVIROSCAN UNDER THE SUPPERVISION OF MONTGOMERY WATSON ON MAY 13, 1997.
8. MONITORING WELLS MW-4 THROUGH MW-5 INSTALLED BY BOART LONGYEAR UNDER THE SUPERVISION OF MONTGOMERY WATSON ON MAY 15, 1997.
9. MONITORING WELL MW-6 INSTALLED BY KEY ENVIRONMENTAL ON JULY 17, 2003.

2/14/2008
mod[sw:1b]
d:\DGN\53072600\WO\53072600_SITE.DGN

DR.BY MAH	BOOK NO.					VOLKFIELD BUILDING 531 CAMP DOUGLAS, WISCONSIN	AYRES ASSOCIATES Madison, Wisconsin
CHK.BY TG	JOB NO. 53-0726.00						
DATE FEB 2008	SCALE 1" = 60'	NO.	DATE	REVISION	NO. DATE REVISION	SITE SKETCH DRAWING REDUCED TO ONE-HALF ORIGINAL SCALE	DRAWING NO. 3 SHEET NO.



CWE, Inc.
5707 SCHOFIELD AVE.
WESTON, WISCONSIN
54476
PHONE: (715) 359-9400
FAX: (715) 355-4199
general@cwenginneers.com
www.cwenginneers.com

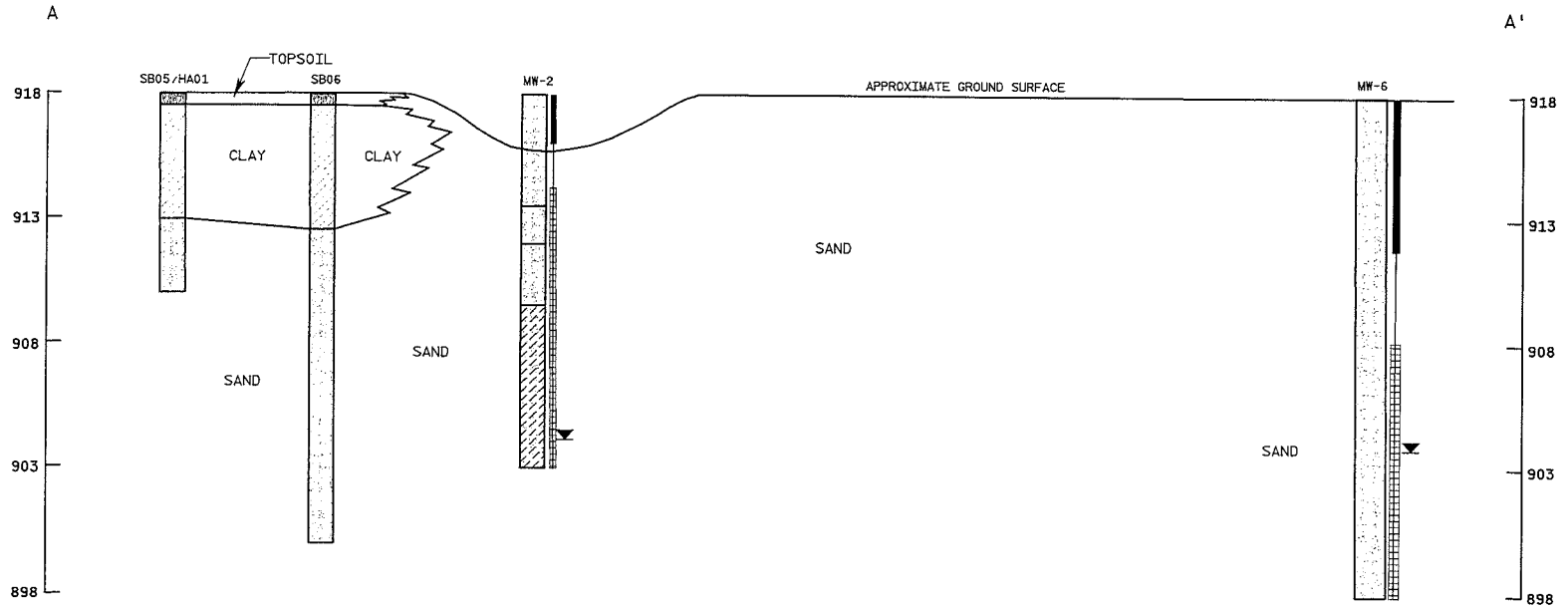
PROJECT:
CONFIRMATION SOIL SAMPLE LOCATION MAP
VOLK FIELD, BUILDING 531
CAMP DOUGLAS, WISCONSIN

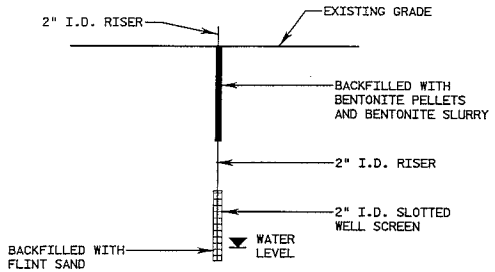
REVISIONS:

PROJECT NO. 40170900
DRAWN BY: S.F.
CHECKED BY: C.Z.
APPROVED BY: C.Z.
DATE: 12/09

FIGURE 1

J:\DRAFT\40170900 Volk Field CRTC\Figures\SAMPLE LOCATION MAP.DWG, LAYOUT 1, 12/15/2009 1:52:37 PM





TYPICAL WELL INSTALLATION DETAIL

NOT TO SCALE

LEGEND:

- TOPSOIL
- SAND WITH LOW SILT AND CLAY CONTENT (SP OR SW), MAY ALSO INCLUDE SW-SM, SW-SC, SP-SM AND SP-SC
- LEAN CLAY, MODERATE PLASTICITY (CL)
- CLAYEY SAND (SC), MAY ALSO INCLUDE SP-SC AND SW-SC

2.5 0 5
VERTICAL GRAPHIC SCALE IN FEET

5 0 10
HORIZONTAL GRAPHIC SCALE IN FEET

NOTES:

1. THE STRATUM LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. CROSS SECTION LOCATION IS SHOWN ON FIGURE 3.
3. FOR THE PURPOSE OF ILLUSTRATINGSIBSOIL CONDITIONS ON THE CROSS SECTION. SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS, REFER TO SOIL BORING LOGS, APPENDIX B OF TEXT.

2/14/2008
mcdonald.dgn
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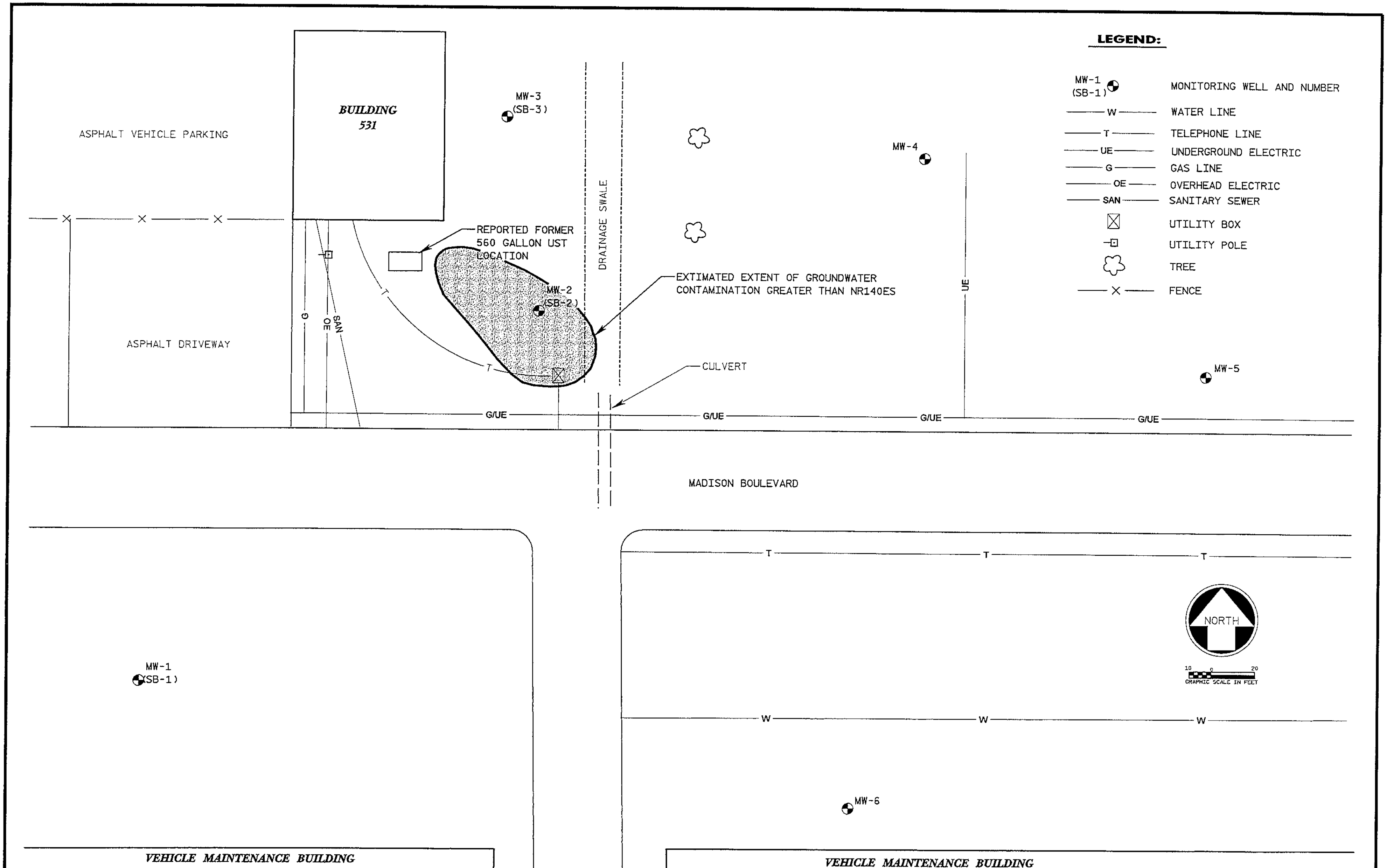
DR.BY WAH	BOOK NO.					VOLKFIELD BUILDING 531 CAMP DOUGLAS, WISCONSIN	AYRES ASSOCIATES Madison, Wisconsin	GEOLOGIC CROSS SECTION A-A'	DRAWING NO.
CHK.BY TG	JOB NO. 53-0726.00	NO.	DATE	REVISION	NO. DATE REVISION			DRAWING REDUCED TO ONE-HALF ORIGINAL SIZE	SHEET NO.
DATE FEB 2008	SCALE AS NOTED								



DR.BY WAH	BOOK NO.	NO.	DATE	REVISION	NO.	DATE	REVISION
CHK.BY TC	JOB NO. 53-0726.00						
DATE FEB 2008	SCALE 1" = 40'						

VOLKFIELD BUILDING 531
CAMP DOUGLAS, WISCONSIN

AYRES ASSOCIATES
Madison, Wisconsin

ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION GREATER THAN NR140ES 09-12-07

DRAWING REDUCED TO ONE-HALF ORIGINAL SCALE

DRAWING NO. 4
SHEET NO.

2/14/2008
mad bw.tbl
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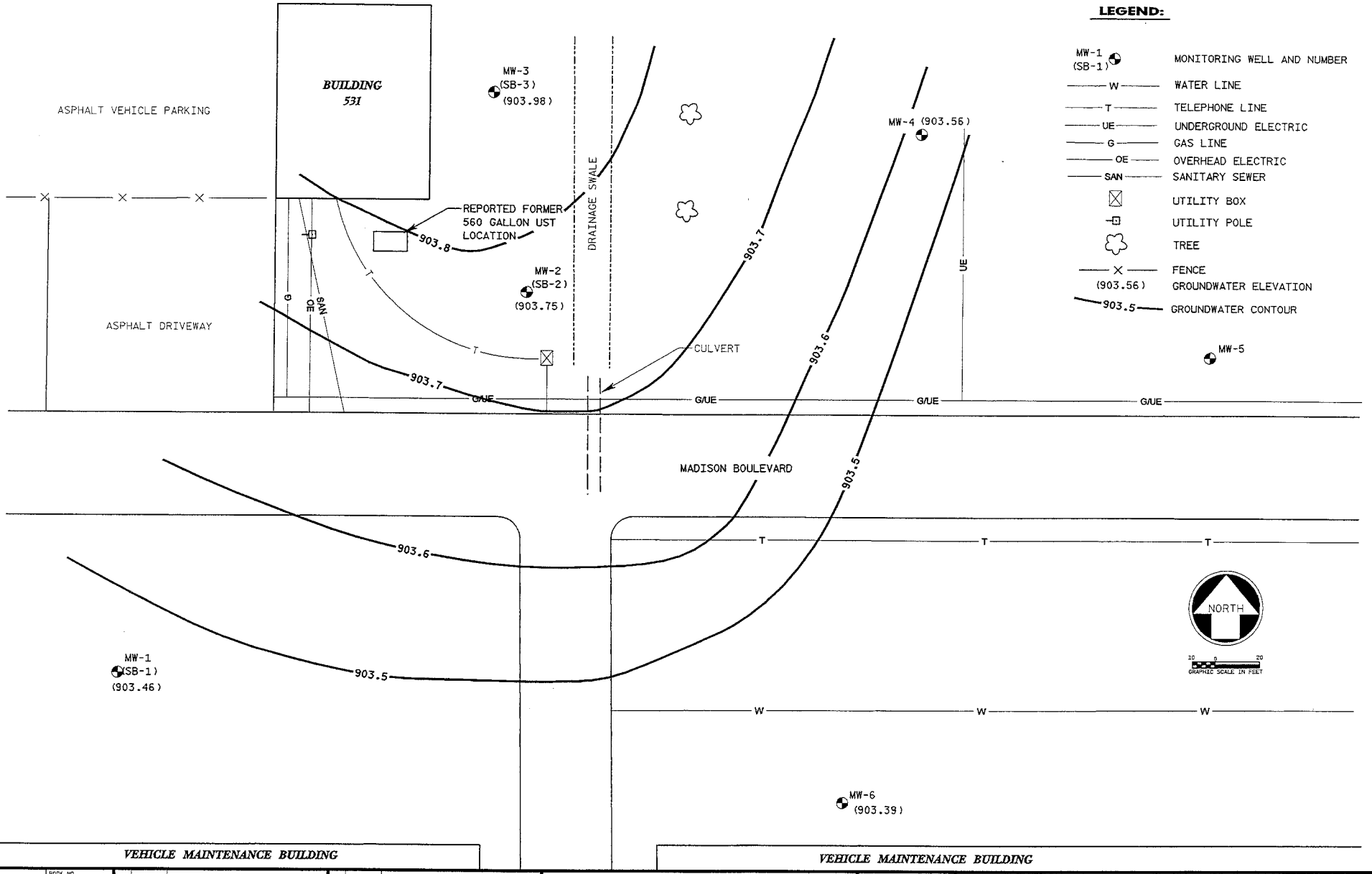

DR.BY WAH	BOOK NO.					VOLKFIELD BUILDING 531 CAMP DOUGLAS, WISCONSIN	AYRES	GROUNDWATER CONTOUR MAP 07-26-06 DRAWING REDUCED TO ONE-HALF ORIGINAL SCALE	DRAWING NO. 5
CHK.BY TC	JOB NO. 53-0726.00	NO.	DATE	REVISION	NO.	DATE	REVISION		SHEET NO.
DATE FEB 2008	SCALE 1" = 40'								

3/4/2008
M:\DGN\53072600\WD\53072600_03.DGN

Table 1
Summary of Historical Laboratory Analytical Results
Site Investigation Report
UST Removal Site and Monitoring Well Closure
Building No. 531, Volk Field CRTC
Camp Douglas, Wisconsin

SOIL ANALYTICAL RESULTS

Parameter (mg/kg)	Sampling Date , Sampling Location, and Depth (ft)														NR 720 RCLs
	November 1991		November 8-10, 1993			May 16-18, 1994									
	2296-122-5 (7.0)	2296-122-6 (7.0)	531-W (8.0-10.0)	531-N (8.0-10.0)	531-E (8.0-10.0)	531-SB-1 (4-5.5)	531-SB-1 (9-10)	531-SB-2 (4-5.5)	531-SB-2 (9-10.5)	531-SB-2 (13.5-15)	531-SB-3 (4-5)	531-SB-3 (9-10.5)	531-SB-3 (14.5-16)	531-SB-4 (4.5-6)	
Diesel Range Organics (DRO)	NA	NA	3700	4.8	--	--	--	--	--	84.1	--	--	12	--	100
TPH (Diesel)	10,400	15,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
PVOCs															
Benzene	NA	NA	NA	NA	NA	0.0102	0.0109	--	--	--	0.0108	0.0103	--	0.0081	0.0055
Toluene	NA	NA	NA	NA	NA	0.0134	0.0195	--	--	--	0.0284	0.0166	--	0.0194	1.5
Methyl-t-butyl ether	NA	NA	NA	NA	NA	0.0755	--	--	--	--	--	0.0746	--	--	NS
Total Xylenes	NA	NA	NA	NA	NA	--	0.0176	0.0055	--	0.0676	0.0663	0.0117	--	0.0347	4.1
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	--	--	--	0.0229	0.0808	--	--	--	--	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	--	--	--	0.0078	0.0241	--	--	--	--	NS
PAHs															
Benzo(a)Pyrene	NA	NA	NA	NA	NA	--	--	--	--	--	0.0028	--	--	--	NS
Fluorene	NA	NA	NA	NA	NA	--	--	--	--	0.0165	0.0137	--	--	--	NS
1-Methynaphthalene	NA	NA	NA	NA	NA	--	--	--	--	0.191	--	--	--	--	NS
2-Methynaphthalene	NA	NA	NA	NA	NA	--	--	--	--	0.309	--	--	--	--	NS
Naphthalene	NA	NA	NA	NA	NA	--	--	--	--	0.264	--	--	0.0378	--	NS
Phenanthrene	NA	NA	NA	NA	NA	--	--	--	0.0102	--	--	--	--	--	NS
Pyrene	NA	NA	NA	NA	NA	--	--	--	--	0.0199	--	--	--	--	NS

Table 4
Summary of Soil Analytical Results
Site Investigation Report
UST Removal Site and Monitoring Well Closure
Building No. 531, Volk Field CRTC
Camp Douglas, Wisconsin

		NR 720 Soil Cleanup Standard	Sample Location, Sample Date and Depth (ft-bgs)						
			July 31,1996					May 14,1997	
			HA01 (7-8)	SB06 (9-11)	SB06 DUP (9-11)	SB07 (9-11)	MEOH BLANK	SD01	MEOH BLANK
PVOCs									
Benzene	ug/kg	5.5	X	X	X	X	X	X	X
Methyl tert-butyl ether	ug/kg	–	X	X	X	X	X	X	X
Ethylbenzene	ug/kg	2900	X	X	X	X	X	X	X
Toluene	ug/kg	1500	X	48	X	X	X	X	X
1,2,4-Trimethylbenzene	ug/kg	–	X	X	X	X	X	X	X
1,3,5-Trimethylbenzene	ug/kg	–	49	290	120	X	X	X	X
Total Xylenes:	ug/kg	4100							
m + p-Xylene	ug/kg		X	X	X	X	X	X	X
o-Xylene	ug/kg		X	X	X	X	X	X	X
PNA/PAH									
Naphthalene	mg/kg	–	X	X	X	X	NA	X	NA
Acenaphthylene	mg/kg	–	X	X	X	X	NA	X	NA
Acenaphthene	mg/kg	–	X	X	X	X	NA	X	NA
Fluorene	mg/kg	–	X	X	X	X	NA	X	NA
Phenanthrene	mg/kg	–	X	X	X	X	NA	X	NA
Anthracene	mg/kg	–	X	X	X	X	NA	21	NA
Fluoranthene	mg/kg	–	X	X	X	X	NA	X	NA
Pyrene	mg/kg	–	X	X	X	X	NA	44	NA
Chrysene	mg/kg	–	X	X	X	X	NA	X	NA
Benzo(a)anthracene	mg/kg	–	X	X	X	X	NA	14	NA
Benzo(b)fluoranthene	mg/kg	–	X	X	X	X	NA	12	NA
Benzo(k)fluoranthene	mg/kg	–	X	X	X	X	NA	12	NA
Benzo(a)pyrene	mg/kg	–	X	X	X	X	NA	5.3	NA
Indeno(1,2,3-cd)perylene	mg/kg	–	X	X	X	X	NA	11	NA
Dibenzo(a)anthracene	mg/kg	–	X	X	X	X	NA	10	NA
Benzo(g,h,i)perylene	mg/kg	–	X	X	X	X	NA	X	NA
1-Methylnaphthalene	mg/kg	–	X	X	X	X	NA	7.3	NA
2-Methylnaphthalene	mg/kg	–	X	X	X	X	NA	X	NA
DRO	mg/kg	100	X	X	X	X	NA	X	NA
Total Solids	%	–	92.7	96.9	97.0	94.5	NA	860	NA
PID Results (1)	I.U.	–	0.0	0.0	NA	0.0	NA	68.2	NA
Immunoassay Test Kit Results (2)	I.U.	–	0.15	0.09	NA	0.18	NA	NA	NA

Notes:

1. NR 720 = Wisconsin Administrative Code, Chapter NR 720, Soil Cleanup standards.
2. bgs = below ground surface.
3. HA = hand auger.
4. SB = soil boring.
5. SD = sediment sample.
6. NA = Not analyzed.
7. I.U. = Instrument Unit.
8. – = NR 720 standard not established.
9. X = Analyzed, but not detected. See Appendix F, Laboratory Analytical Reports, for reporting limits.

Footnotes:

(1) PID results are reported in instrument units, calibrated to an isobutylene-air mixture, as benzene equivalents in parts per million (ppm).

(2) Immunoassay test kit results are expressed as either a positive or negative number on the photometer. A negative or zero reading indicates petroleum hydrocarbons are present at concentrations above 15 ppm. A positive photometer reading indicates the concentration of petroleum hydrocarbons is less than 15 ppm.

Soil Chemistry Data - Confirmation Sampling

Volk Field (CWE # 40170900)

Building 531

Sample ID				GP1-2	GP2-2	GP3-2	GP4-2	GP4-5	GP5-1
Sample Collection Depth Interval (feet)				2-4'	2-4'	2-4'	2-4'	8-10'	1-2'
Sample Collection Date				10/7/2009	10/7/2009	10/7/2009	10/7/2009	10/7/2009	10/7/2009
Field PID Reading (I.U.)				0	0	0	0	0	0
ANALYTICAL PARAMETERS	NR 720 RCL	WDNR Pub RR-519-97 Table 1							
		GW Path	DC						
Petroleum Volatile Organic Compounds (mg/kg)									
1,2,4-Trimethylbenzene	--	--	--	ND	ND	0.947	ND	ND	ND
1,3,5-Trimethylbenzene	--	--	--	ND	ND	0.988	ND	ND	0.190
Benzene	0.0055	--	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.9	--	--	ND	ND	ND	ND	ND	ND
Total Xylenes	4.1	--	--	ND	ND	ND	ND	ND	ND
Methyl Tert Butyl Ether	--	--	--	ND	ND	ND	ND	ND	ND
Toluene	1.5	--	--	ND	ND	ND	ND	ND	ND
Polycyclic Aromatic Hydrocarbons (mg/kg)									
1-Methylnaphthalene	--	23	1100	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	--	20	600	ND	ND	ND	ND	ND	ND
Acenaphthene	--	38	900	ND	ND	ND	ND	ND	ND
Acenaphthylene	--	0.7	18	ND	ND	ND	ND	ND	ND
Anthracene	--	3000	5000	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	--	17	0.088	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	--	48	0.0088	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	--	360	0.088	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	--	6800	1.8	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	--	870	0.88	ND	ND	ND	ND	ND	ND
Chrysene	--	37	8.8	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	--	38	0.0088	ND	ND	ND	ND	ND	ND
Fluoranthene	--	500	600	ND	ND	ND	ND	ND	ND
Fluorene	--	100	600	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	--	680	0.088	ND	ND	ND	ND	ND	ND
Naphthalene	--	0.4	20	ND	ND	ND	ND	ND	ND
Phenanthrene	--	1.8	18	ND	ND	ND	ND	ND	ND
Pyrene	--	8700	500	ND	ND	ND	ND	ND	ND

NOTES:

PID - Photoionization Detector (in instrument units)

Results presented as milligrams per kilogram (mg/Kg), which is equivalent to parts per million (ppm)

-- Not applicable

ND - No detection

GW Path – Groundwater Pathway Table 1 values per WDNR Pub RR-519-97 for PAHs.

DC – Direct Contact Pathway Non-industrial Table 1 values per WDNR Pub RR-519-97 for PAHs.

Table 6
Field Gas Chromatograph (GC) Groundwater Screening Results Summary
Site Investigation Report
UST Removal Site and Monitoring Well Closure
Building No. 531, Volk Field CRTC
Camp Douglas, Wisconsin

Analyte	NR 140		Sample Location									
	PAL	ES	HP01	HP02	HP03	HP04	HP05	HP06	HP07	HP08	HP09	HP10
Methyl tert-butyl ether	12	60	<120(1)	<60(1)	<3	<6	<3	<3	<3	<3	<3	<3
Benzene	0.5	5	89.6**	35**	36.5**	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	68.6	343	499**	73.8*	115*	<4	<2	<2	<2	<2	<2	<2
Ethylbenzene	140	700	1240**	308*	83.2	<2	<1	<1	<1	<1	<1	<1
Total xylenes	124	620	2770**	288.6*	>518*	<4	<2	<2	<2	<2	<2	<2
m&p-xylenes			1730	214	>397	<2	<1	<1	<1	<1	<1	<1
o-xylenes			1040	74.6	121	<2	<1	<1	<1	<1	<1	<1
1,3,5 Trimethylbenzene	--	--	712	126	149	4.4	<1	1.8	<1	<1	<1	<1
1,2,4 Trimethylbenzene	--	--	516	54.6	94.6	5.3	<1	1.9	<1	<1	<1	<1

Notes:

1. Resuts are in ug/L.
2. Samples collected on May 13, 1997.
3. NR 140 = Wisconsin Administrative Code, Chapter NR 140, Groundwater Quality.
4. PAL = Wisconsin administrative Code, Chapter NR 140, Preventive Action Limit.
5. ES = Wisconsin Administrative Code, Chapter NR 140, Enforcement Standard.
6. -- = NR 140 standard not established.
7. * = Concentration attains or exceeds NR 140 PAL.
8. ** = Concentration attains or exceeds NR 140 ES.

Footnote:

1. Detection limits are elevated due to sample dilution.

Table 1
Volk Field Building 531
Groundwater Analytical Summary

				MW-1														MW-2											
PVOC		PAL	ES	(1) 5/26/94	(1) 2/23/95	(2) 7/31/96	(2) 5/13/97	(3) 6/5/98	(4) 7/14/99	(3) 6/28/00	(3) 6/15/01	(3) 7/2/02	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/07	(1) 5/26/94	(1) 2/23/95	(2) 7/31/96	(2) 5/13/97	(3) 6/5/98	(4) 7/14/99	(3) 6/28/00	(3) 6/15/01	(3) 7/2/02	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/2007
	Benzene	0.5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**30**	**38**	--	--	--	**85.5**	--	--	--	--	--	--	--	--
	MtBE	12	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	--	--	--	--
	Ethylbenzene	140	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1,000**	470	560	**1,000**	590	**925**	8.7	**1,100**	**800**	**900**	**760**	**750**	**600**	330
	Toluene	200	1,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	200	130	160	150	170	321	--	82	97	100	82	120	64	110
	Total TMB	96	480	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**850**	380	**690**	**2,950**	**590**	**1,687**	8.6	**1,000**	**780**	**730**	**660**	**1,030**	**640**	**530**
	1,2,4-TMB			--	--	--	--	--	--	--	--	--	--	--	--	--	--	600	380	430	2,100	430	1,200	6.6	760	560	540	490	750	470	390
	1,3,5-TMB			--	--	--	--	--	--	--	--	--	--	--	--	--	--	250	--	260	850	160	487	2	240	220	190	170	280	170	140
	Total Xylenes	1,000	10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,800	1,400	2,010	4,300	2,010	4,010	34	4,000	2,850	3,300	2,810	2,930	2,560	1,790
	m&p Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,400		1,400	2,900	1,300	2,220	22	2,700	1,900	2,200	1,900	2,000	1,700	1,200
	o Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,400		610	1,400	710	1,790	12	1,300	950	1100	910	930	860	590
PAH	Naphthalene	20	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**120**	**200**	**150**	**130**	93	**566**	--	--	56	**140**	77	**180**	**150**	73
	Acenaphthylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5
	Acenaphthene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130	--	--	--	--	--	35	--	--	17	10
	Fluorene	80	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	6.2	32	140	--	--	--	10	3.3	--	--	44	16	4.8
	Phenanthrene			--	--	--	--	--	--	--	--	--	--	0.054	--	--	--	27	9.8	48	110	50	--	--	9.8	1.4	9	17	110	47	4.6
	Anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.25	--	--	--	--	--	--	--	--	--	--	6.3	0.95
	Fluoranthene	80	400	--	--	--	--	--	--	--	--	--	0.026	--	--	--	--	--	--	--	--	--	--	--	26	2.3	11	26	190	28	5.1
	Pyrene	50	250	--	0.24	--	--	--	--	--	--	--	0.029	--	--	--	--	--	--	--	200	--	--	16	--	8.3	35	--	--	130	12
	Chrysene	0.02	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**3.6**	**0.41**
	Benzo(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.88	--	--	--	--	25	--	1.2
	Benzo(b)fluoranthene	0.02	0.2	--	--	--	--	--	--	--	--	--	0.013	--	--	--	--	--	--	--	--	--	--	--	--	0.022	--	--	--	--	--
	Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.031	0.17	--	2.9	--	--
	Benzo(a)pyrene	0.02	0.2	--	--	--	--	--	--	--	--	--	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)perylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo(a,h)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	120	--	440	520	77	NA	--	32	27	63	84	230	360	79
	2-Methylnaphthalene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	170	--	320	390	99	NA	--	--	--	110	110	430	210	47
DRO				350	--	--	--	--	--	--	31	NA	--	--	--	--	20	12,700	9,600	5,600	88,000	4,500	50,100	2,800	2,800	NA	5,700	25,000	83,000	330,000	8,700

(1) : sample collected by T N & Associates

(2) : sample collected by Montgomery Watson

(3) : sample collected by Ayres Associates

(4) : sample collected by Davy Laboratories

all results reported in micrograms per liter (ug/L)

PAL: NR 140 Preventative Action Limit

ES : NR 140 Enforcement Standard

MtBE : methyl tertiary butyl ether

TMB : trimethylbenzene

BOLD : compound detected above Enforcement Standard

-- : compound not detected above laboratory method detection limit

NA : compound not analyzed

Table 1 (cont)
Volk Field Building 531
Groundwater Analytical Summary

				MW-3														MW-4										
PVOC		PAL	ES	(1) 5/26/94	(1) 2/23/95	(2) 7/31/96	(2) 5/13/97	(3) 6/5/98	(3) Duplicate	(4) 7/14/99	(3) 6/28/00	(3) 6/15/01	(3) 7/2/02	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/07	(2) 5/15/97	(3) 6/5/98	(4) 7/14/99	(3) 6/28/00	(3) 6/15/01	(3) 7/2/02	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/07
	Benzene	0.5	5	**21**	--	--	--	--	--	4.1	--	--	--	--	--	**15**	--	--	--	--	--	--	--	--	--	--	--	--	--
	MtBE	12	60	--	--	--	--	5	3.4	--	--	1.3	--	--	6.5	4.4	6.2	0.84	--	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	140	700	18	--	14	3.2	82	56	80.4	51	49	110	190	250	220	220	25	--	--	--	--	--	--	--	--	--	--	--
	Toluene	200	1,000	2.3	--	7.9	0.6	33	22	45.1	22	32	67	97	92	80	60	5.2	--	--	--	--	--	--	--	--	--	--	--
	Total TMB	96	480	34	--	15.4	2.8	47	31.4	57.2	40.3	29.2	87	134	239	189	191	27	--	--	--	--	--	--	--	--	--	--	--
	1,2,4-TMB			23	--	12	2	36	24	44.4	33	24	67	110	190	150	150	21	--	--	--	--	--	--	--	--	--	--	--
	1,3,5-TMB			11	--	3.4	0.8	11	7.4	12.8	7.3	5.2	20	24	49	39	41	6	--	--	--	--	--	--	--	--	--	--	--
	Total Xylenes	1,000	10,000	59	--	81	16.5	430	303	433	301	253	450	930	1,310	1,100	1,160	118	--	--	--	--	--	--	--	--	--	--	--
	m&p Xylene			41	--	60	12	310	220	312	220	190	300	690	970	840	860	89	--	--	--	--	--	--	--	--	--	--	--
	o Xylene			18	--	21	4.5	120	83	121	81	63	150	240	340	260	300	29	--	--	--	--	--	--	--	--	--	--	--
PAH	Naphthalene	20	100	2.3	--	--	--	30	NA	**41.5**	3.3	4	14	98	34	**100**	**110**	3.5	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthylene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluorene	80	400	--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene			--	--	--	--	--	NA	--	--	--	--	0.12	0.065	--	--	--	--	--	--	--	--	--	0.057	--	--	--	--
	Anthracene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	80	400	0.08	--	--	--	--	NA	--	--	--	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	50	250	--	--	--	--	--	NA	--	--	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chrysene	0.02	0.2	--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	0.02	0.2	--	--	--	--	--	NA	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pervlene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo(a,h)anthracene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)pervlene			--	--	--	--	--	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene			1.7	--	--	--	3.6	NA	NA	--	--	2.1	13	5.2	11	18	0.96	--	--	NA	--	--	--	--	--	--	--	--
	2-Methylnaphthalene			1.4	--	--	--	4.8	NA	NA	--	--	3.3	23	2.1	19	24	1.5	--	--	NA	--	--	--	--	--	--	--	--
DRO				700	740	<100	240	410	NA	672	100	190	NA	2,500	2,300	760	--	29	--	--	--	--	--	NA	--	--	--	--	--

(1) : sample collected by T N & Associates

(2) : sample collected by Montgomery Watson

(3) : sample collected by Ayres Associates

(4) : sample collected by Davy Laboratories

all results reported in micrograms per liter (ug/L)

PAL: NR 140 Preventative Action Limit

ES : NR 140 Enforcement Standard

MtBE : methyl tertiary butyl ether

TMB : trimethylbenzene

BOLD : compound detected above Enforcement Standard

-- : compound not detected above laboratory method detection limit

NA : compound not analyzed

Table 1 (cont)
Volk Field Building 531
Groundwater Analytical Summary

				MW-5										MW-6				
PVOC		PAL	ES	(2) 5/15/97	(3) 6/5/98	(4) 7/14/99	(3) 6/28/00	(3) 6/15/01	(3) 7/2/02	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/07	(3) 8/27/03	(3) 5/13/04	(3) 6/30/05	(3) 7/26/06	(3) 9/12/07
	Benzene	0.5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	--	--
	MtBE	12	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	140	700	--	--	--	--	--	--	--	--	--	--	--	400	660	570	**800**	8.4
	Toluene	200	1,000	--	--	--	--	--	--	--	--	--	--	--	45	150	340	--	--
	Total TMB	96	480	--	--	--	--	--	--	--	--	--	--	--	307	**600**	440	**640**	5.1
	1,2,4-TMB			--	--	--	--	--	--	--	--	--	--	--	230	440	320	460	3.3
	1,3,5-TMB			--	--	--	--	--	--	--	--	--	--	--	77	160	120	180	1.8
	Total Xylenes	1,000	10,000	--	--	--	--	--	--	--	--	--	--	--	820	1,640	1,660	1,710	8.41
	m&p Xylene			--	--	--	--	--	--	--	--	--	--	--	630	1,200	1,100	1,500	7.6
	o Xylene			--	--	--	--	--	--	--	--	--	--	--	190	440	560	210	0.81
PAH	Naphthalene	20	100	--	--	--	3.3	--	--	--	--	--	--	--	49	51	68	79	0.9
	Acenaphthylene			--	--	--	0.65	--	--	--	--	--	--	--	--	--	--	--	--
	Acenaphthene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	13	--
	Fluorene	80	400	--	--	--	--	--	--	--	--	--	--	--	--	0.34	--	1.1	--
	Phenanthrene			--	--	--	--	--	--	--	--	--	--	--	0.096	0.12	--	0.38	--
	Anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene			--	--	--	--	0.061	--	0.037	--	--	--	--	--	--	--	--	--
	Pyrene			--	--	--	0.12	0.048	--	0.042	--	--	--	--	--	--	--	--	--
	Chrysene			--	--	--	--	--	--	0.032	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene			--	--	--	--	0.014	0.008	--	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene			--	--	--	--	0.04	0.016	0.02	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene			--	--	--	--	0.021	--	0.0095	--	--	--	--	--	--	0.011	--	--
	Benzo(a)pyrene	0.02	0.2	--	--	--	0.089	0.038	0.021	0.026	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)perylene			--	--	--	--	0.043	--	--	--	--	--	--	--	--	--	--	--
	Dibenzo(a,h)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene			--	--	--	--	0.066	--	--	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene			--	--	NA	--	--	--	--	--	--	--	--	11	12	6.9	--	0.84
	2-Methylnaphthalene			--	--	NA	--	--	--	--	--	--	--	--	23	32	22	45	0.61
DRO				--	--	--	--	--	NA	340	--	--	--	--	1,700	1,800	1,300	3,600	--

(1) : sample collected by T N & Associates

(2) : sample collected by Montgomery Watson

(3) : sample collected by Ayres Associates

(4) : sample collected by Davy Laboratories

all results reported in micrograms per liter (ug/L)

PAL: NR 140 Preventative Action Limit

ES : NR 140 Enforcement Standard

MtBE : methyl tertiary butyl ether

TMB : trimethylbenzene

BOLD : compound detected above Enforcement Standard

-- : compound not detected above laboratory method detection limit

NA : compound not analyzed

Table 2
Volk Field Building 531
Natural Attenuation Parameters

	MW-1										
Laboratory Analysis	05/13/97 (1)	06/05/98 (2)	07/14/99 (3)	06/28/00 (2)	06/15/01 (2)	07/02/02 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	9/12/07 (2)
Alkalinity (mg/L)	<50	47	70	29.5	10	16	36	NA	48	23	11
Nitrate (mg/L)	0.93	0.83	1.18	0.47	0.62	0.57	0.27	0.83	0.85	0.43	0.37
Sulfate (mg/L)	6.1	<2.0	<25	7.47	4.8	5.3	4.7	4.42	3.9	3.2	5.3
Manganese (ug/L)	11	5.9	1,150	68	26.6	72.6	151	1.3	16.2	81.7	3.9
In-field Measurements											
pH (S.U.)	7.84	5.99	5.94	5.91	5.63	4.77	5.88	5.93	6.76	5.37	4.96
Spec. Cond. (umho/cm)	109	97	174	73.9	83.7	64.4	103.2	103.6	95.73	152.7	38.3
DO(mg/L)	16.1@7.9C	7.3@10.76C	8.03@17.8C	7.7@12.16C	9.01@11.96C	8.05@14.28C	8.44@14.85C	9.41@9.51C	9.28@11.96C	9.75@15.02	6.76@14.83
Redox(mV)	243	568	242	290	407	384	358	293	132	300	257
Iron (mg/L)	0	0	0.334	0.1	0.18	0.16	0.34	0.26	0.24	0.22	0.26

(1) : samples collected by Montgomery Watson

(2) : samples collected by Ayres Associates

(3) : samples collected by Davy Laboratories

mg/L : milligrams per liter

ug/L : micrograms per liter

S.U. : specific units

mV : millivolts

NA : not analyzed

Table 2 (cont)
Volk Field Building 531
Natural Attenuation Parameters

	MW-2										
Laboratory Analysis	05/13/97 (1)	06/05/98 (2)	07/14/99 (3)	06/28/00 (2)	06/15/01 (2)	07/02/02 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	9/12/07 (2)
Alkalinity (mg/L)	185	83	112	116	140	190	150	NA	150	200	230
Nitrate (mg/L)	<0.14	<0.026	<0.06	0.09	<0.1	<0.18	<0.13	<0.13	<0.1	<0.06	<0.19
Sulfate (mg/L)	6.1	18	8.3	10.6	5.1	0.83	<0.74	1.96	5.4	<0.8	1.3
Manganese (ug/L)	1,230	570	1,270	630	531	977	630	1,180	953	1,320	1,400
In-field Measurements											
pH (S.U.)	6.12	6	5.92	5.97	6.68	5.46	5.99	6.16	6.38	6.24	NM
Spec. Cond. (umho/cm)	359	147	440	593.2	431.8	486.9	367.3	363.6	438.9	416.3	NM
DO(mg/L)	5.4@7.5C	0.78@9.9C	3.55@18.5C	0.48@13.79C	0.68@10.74C	0.45@12.15C	0.62@14.19C	0.63@9.07C	0.59@12.01C	0.62@11.98C	NM
Redox(mV)	-40	412	-60.3	186	154	167	188	181	-173	54	NM
Iron (mg/L)	9	2.11	8.73	>3.00	>3.00	>3.00	2.1	2.9	2.8	2.8	2.8

(1) : samples collected by Montgomery Watson

(2) : samples collected by Ayres Associates

(3) : samples collected by Davy Laboratories

mg/L : milligrams per liter

ug/L : micrograms per liter

S.U. : specific units

mV : millivolts

NA : not analyzed

NM : not measured, well riser damaged, down hole meter could not be used

Table 2 (cont)
Volk Field Building 531
Natural Attenuation Parameters

Laboratory Analysis	05/13/97 (1)	06/05/98 (2)	07/14/99 (3)	06/28/00 (2)	06/15/01 (2)	MW-3 07/02/02 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	09/12/07 (2)
Alkalinity (mg/L)	<50	50	32	25.3	17	32	86	NA	80	110	29
Nitrate (mg/L)	2.3	0.2	0.34	0.93	1	1.6	0.25	<0.13	0.55	0.15	1.7
Sulfate (mg/L)	8.6	19	<1.7	6.02	4.2	3.9	4.8	11.8	4.8	1.9	5.3
Manganese (ug/L)	298	570	771	111	76.2	349	581	1090	465	868	110
In-field Measurements											
pH (S.U.)	6.38	5.69	5.68	5.57	6.11	4.87	NM	NM	NM	NM	NM
Spec. Cond. (umho/cm)	15	213	175	72.5	106.9	102.2	NM	NM	NM	NM	NM
DO(mg/L)	13.9@7.6C	1.07@10.2C	5.60@19.0C	2.33@13.72C	3.04@10.61C	2.78@11.96C	NM	NM	NM	NM	NM
Redox(mV)	78	496	-0.7	286	437	263	NM	NM	NM	NM	NM
Iron (mg/L)	0	2.17	7.23	0.2	0.1	0.1	2.72	2.85	2.92	2.86	2.76

(1) : samples collected by Montgomery Watson

(2) : samples collected by Ayres Associates

(3) : samples collected by Davy Laboratories

mg/L : milligrams per liter

ug/L : micrograms per liter

S.U. : specific units

mV : millivolts

NM : not measured due to insufficient volume of water in well

NA : not analyzed

Table 2 (cont)
Volk Field Building 531
Natural Attenuation Parameters

	MW-4										
Laboratory Analysis	05/13/97 (1)	06/05/98 (2)	07/14/99 (3)	06/28/00 (2)	06/15/01 (2)	07/02/02 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	09/12/07 (2)
Alkalinity (mg/L)	<50	16	12	<18	<6.1	12	<15	NA	18	21	18
Nitrate (mg/L)	0.8	0.11	0.27	0.11	0.65	<0.18	0.32	0.488	0.59	1.3	9.5
Sulfate (mg/L)	9.6	<2.0	<17	7.08	5.7	4.1	4.6	4.11	3.7	4.6	5.5
Manganese (ug/L)	84	7.5	2,550	280	31.5	100	259	14.3	1.3	164	2.8
In-field Measurements											
pH (S.U.)	5.99	5.53	5.42	5.78	5.81	4.86	5.69	5.72	6.52	5.44	5.18
Spec. Cond. (umho/cm)	77	22	41	22.1	71.9	29.5	41.8	53.9	39.49	55.7	112.4
DO(mg/L)	18.1@8.6C	9.04@10.5C	8.84@17.1C	9.12@14.14C	10.15@10.7C	8.44@13.46C	7.13@13.41C	9.35@8.39C	6.69@10.72C	7.04@12.57	4.31@13.96
Redox(mV)	242	576	165	236	425	396	375	295	117	267	265
Iron (mg/L)	0	0.01	10.4	0.22	0.16	0.14	0.18	0.06	0.08	0.06	0.06

(1) : samples collected by Montgomery Watson

(2) : samples collected by Ayres Associates

(3) : samples collected by Davy Laboratories

mg/L : milligrams per liter

ug/L : micrograms per liter

S.U. : specific units

mV : millivolts

NM : not measured due to insufficient volume of water in well

NA : not analyzed

Table 2 (cont)
Volk Field Building 531
Natural Attenuation Parameters

	MW-5											MW-6				
Laboratory Analysis	05/13/97 (1)	06/05/98 (2)	07/14/99 (3)	06/28/00 (2)	06/15/01 (2)	07/02/02 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	09/12/07 (2)	08/27/03 (2)	05/13/04 (2)	06/30/05 (2)	07/26/06 (2)	9/12/07 (2)
Alkalinity (mg/L)	<50	22	8	30.2	9.1	20	<15	NA	10	<7	9.5	150	NA	230	180	94
Nitrate (mg/L)	1.18	0.95	3.36	0.32	0.97	0.59	0.74	0.866	1.1	6.4	16	0.67	1.02	0.67	0.25	3.1
Sulfate (mg/L)	7.2	10	<3.3	5.75	2.6	3	3.7	2.88	3.1	3.4	7.5	4.2	1.72	1.9	1.1	9.6
Manganese (ug/L)	122	4.5	1,380	208	236	229	182	8	3	90.5	29.0	1350	1,140	1,210	1,490	340
In-field Measurements																
pH (S.U.)	5.95	6.16	5.37	6.36	6.38	5.42	5.63	5.71	6.4	5.28	4.88	6.23	6.32	6.51	5.84	5.95
Spec. Cond. (umho/cm)	136	39	65	44.5	78.8	56.4	41.2	71.8	40.18	138.5	192.2	531.7	456.9	399.5	492.2	431.6
DO(mg/L)	18.3@9.6C	8.89@10.4C	8.23@17.1C	10.02@13.17C	10.66@11.77C	9.71@12.95C	9.42@14.82C	11.93@8.23C	9.25@11.59C	8.94@15.27C	5.67@17.80C	2.82@13.55C	1.99@9.49C	0.73@11.23C	1.22@12.98C	2.61@14.42C
Redox(mV)	235	560	260	260	393	367	368	307	111	295	266	197	159	-189	61	256
Iron (mg/L)	0	0.01	4.92	1.25	0.14	0.2	0.33	0.14	0.16	0.19	0.18	1.07	1.17	1.32	1.28	1.4

(1) : samples collected by Montgomery Watson

(2) : samples collected by Ayres Associates

(3) : samples collected by Davy Laboratories

mg/L : milligrams per liter

ug/L : micrograms per liter

S.U. : specific units

mV : millivolts

NM : not measured due to insufficient volume of water in well

NA : not analyzed

Table 5
Summary of Groundwater Analytical Results
Site Investigation Report
UST Removal Site and Monitoring Well Closure
Building No. 531, Volk Field CRTC
Camp Douglas, Wisconsin

ANALYTE		NR 140		Sample Location and Date																						
				July 31, 1996									May 13 and 15, 1997													
		PAL	ES	SB06	SB07	SB08	MW-1	MW-1 DUP	MW-2	MW-3	FIELD BLANK	TRIP BLANK	HP01	HP04	HP05	HP10	MW-1	MW-2	MW-2 DUP	MW-3	MW-4	MW-5	FIELD BLANK	TRIP01 BLANK	TRIP02 BLANK
PVOCs																										
Benzene	ug/L	0.5	5	<10	1.4*	<100	<1	<1	<100	<1	<1	<1	<10	<0.20	<0.20	<2	<0.20	<10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	ug/L	12	60	<10	<1	<100	<1	<1	<100	<1	<1	<1	<15	<0.30	<0.30	<3	<0.30	<15	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	ug/L	140	700	39	1.4	2000**	<1	<1	560*	14	<1	<1	1200**	<0.20	<0.20	230*	<0.20	1000**	4	3.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	ug/L	68.6	343	<10	1	3600**	<1	<1	160*	7.9	<1	<1	750**	<0.20	<0.20	110*	<0.20	150*	0.5	0.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	ug/L	--	--	120	5.7	800	<1	<1	430	12	<1	<1	490	<0.40	<0.40	46	<0.40	2100	2.6	2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,3,5-Trimethylbenzene	ug/L	--	--	39	4.4	300	<1	<1	160	3.4	<1	<1	180	<0.30	<0.30	29	<0.30	850	1	0.8	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Total Xylenes:	ug/L	124	620	143*	<3.5	5900**	<3	<3	2010**	81	<3	<3	3200**	<0.50	<0.50	296*	<0.50	4300**	20.6	16.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m + p-Xylene	ug/L			81	2.5	3600	<2	<2	1400	60	<2	<2	2000	<0.30	<0.30	200	<0.30	2900	15	12	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
o-Xylene	ug/L			62	<1	2300	<1	<1	610	21	<1	<1	1200	<0.20	<0.20	96	<0.20	1400	5.6	4.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
PNA/PAH																										
Naphthalene	ug/L	8	40	210**	<10	100**	<10	<10	150**	<10	<10	NA	27*	<0.29	<0.29	10*	<0.29	130**	120**	<0.30	<0.28	<0.29	<0.30	NA	NA
Acenaphthylene	ug/L	--	--	<100	<10	<10	<10	<10	<10	<10	<10	NA	<14	<0.70	<0.70	2.7	<0.70	<7	<6.9	<0.71	<0.67	<0.69	<0.72	NA	NA
Acenaphthene	ug/L	--	--	210	<18	<18	<18	<18	<18	<18	<18	NA	<0.24	<0.24	<0.24	<0.24	<0.24	130	73	<0.24	<0.23	<0.24	<0.25	NA	NA
Fluorene	ug/L	80	400	190*	<2	<2	<2	<2	32	<2	<2	NA	<0.15	<0.15	<0.15	<0.15	<0.15	140*	78	<0.15	<0.14	<0.14	<0.15	NA	NA
Phenanthrene	ug/L	--	--	290	<1	<1	<1	<1	48	<1	<1	NA	<0.05	<0.05	<0.05	<0.05	<0.05	110	61	<0.051	<0.048	<0.049	<0.052	NA	NA
Anthracene	ug/L	--	--	84	<1	<1	<1	<1	<1	<1	<1	NA	<0.059	<0.059	<0.059	<0.059	<0.059	<5.9	73	<0.061	<0.057	<0.059	<0.061	NA	NA
Fluoranthene	ug/L	--	--	930	<2	<2	<2	<2	<2	<2	<2	NA	<0.049	<0.049	<0.049	<0.049	<0.049	<4.9	<0.48	<0.5	<0.047	<0.048	<0.051	NA	NA
Pyrene	ug/L	--	--	1000	<1	<1	<1	<1	<1	<1	<1	NA	<0.052	<0.052	<0.052	<0.052	<0.052	200	120	<0.053	<0.05	<0.052	<0.054	NA	NA
Chrysene	ug/L	--	--	<10	<1	<1	<1	<1	<1	<1	<1	NA	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.042	<0.041	<0.0043	<0.004	<0.0041	<0.0043	NA	NA
Benzo(a)anthracene	ug/L	--	--	<1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.10	<0.011	<0.01	<0.01	<0.011	NA	NA
Benzo(b)fluoranthene	ug/L	--	--	<1.8	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	NA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.13	<0.12	<0.013	<0.012	<0.012	<0.013	NA	NA
Benzo(k)fluoranthene	ug/L	--	--	<1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.015	<0.015	<0.015	<0.015	<0.015	<0.15	<0.14	<0.015	<0.014	<0.014	<0.015	NA	NA
Benzo(a)pyrene	ug/L	0.02	0.2	<1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.060	<0.060	<0.060	<0.060	<0.060	<0.60	<0.60	<0.062	<0.058	<0.060	<0.062	NA	NA
Indeno(1,2,3-cd)perylene	ug/L	--	--	<1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	<0.018	<0.018	<0.018	<0.018	<0.018	<0.18	<0.18	<0.018	<0.017	<0.018	<0.018	NA	NA
Dibenzo(a,)anthracene	ug/L	--	--	<2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.047	<0.047	<0.047	<0.047	<0.047	<0.47	<0.46	<0.048	<0.045	<0.046	<0.048	NA	NA
Benzo(g,h,i)perylene	ug/L	--	--	<2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.025	<0.025	<0.025	<0.025	<0.025	<0.25	<0.25	<0.026	<0.024	<0.025	<0.026	NA	NA
1-Methylnaphthalene	ug/L	--	--	1700	<10	94	<10	<10	440	<10	<10	NA	<6.7	<0.33	<0.33	6.2	<0.33	520	340	<0.34	<0.32	<0.33	<0.34	NA	NA
2-Methylnaphthalene	ug/L	--	--	1000	<10	38	<10	<10	320	<10	<10	NA	30	<0.88	<0.88	1.7	<0.88	390	230	<0.89	<0.84	<0.87	<0.90	NA	NA
DRO	ug/L	--	--	52000	560	3800	<100	<100	5600	<100	<100	NA	3400	<28	<28	260	<28	88000	76000	240	<28	<29	40	NA	NA

Notes:

1. PVOC = Petroleum Volatile Organic Compound.
2. PNA/PAH = Polycyclic Aromatic Hydrocarbons.
3. DRO = Diesel Range Organics.
1. NR 140 = Wisconsin Administrative Code, Chapter NR 140, Groundwater Quality.
2. PAL = Wisconsin Administrative Code, Chapter NR 140, Preventive Action Limit.
3. ES = Wisconsin Administrative Code, Chapter NR 140, Enforcement Standard.
4. -- = NR 140 standard not established.
5. NA = not analyzed.
6. * = Concentration attains or exceeds NR 140 PAL.
7. ** = Concentration attains or exceeds NR 140 ES.
8. Laboratory analytical reports are included in Appendix F.

TABLE 10

Volk Field Building 531
Groundwater Elevation Summary

Groundwater Elevations MSL (ft.)

Well No.	Gnd. Surface	Screen Top	Screen Base	Casing Top	5/16/94	7/31/96	5/14/97	6/5/98	7/14/99	6/28/00	6/15/01	7/2/02	8/27/03	5/13/04	6/30/05	7/26/06	9/12/07
MW-1	916.98	909.6	899.6	919.6	905.38	904.95	905.88	904.62	904.04	905.41	906.1	906.04	903.3	903.69	903.55	903.46	903.11
MW-2	916.39	914.55	904.55	919.55	905.65	904.11	905.16	905.12	904.17	905.81	906.39	906.33	903.39	904.00	903.71	903.75	NM
MW-3	917.4	915.63	905.63	920.63	905.53	904.21	905.25	905.29	904.34	906.11	906.83	906.57	903.52	904.27	903.86	903.98	903.65
MW-4	915.6	907.6	897.6	918.42			904.47	904.57	903.92	905.25	906.88	905.98	903.3	903.84	903.51	903.56	903.08
MW-5	916.5	908.5	898.5	920.15			904.52	905.32	904.02	905.66	906.37	906.37	903.27	903.78	903.51	**	**
MW-6	918.9	908.9	898.9	921.3									903.23	903.52	903.52	903.39	902.97

** - well converted to flush mount, TOC not resurveyed

NM - PVC riser broken