

**GIS REGISTRY INFORMATION**

**SITE NAME:** Wis Army Natl Guard AASF#1  
**BRRTS #:** 02-67-373831 **FID # (if appropriate):** 267073840  
**COMMERCE # (if appropriate):** NA  
**CLOSURE DATE:** 10-28-05  
**STREET ADDRESS:** 105 Trenton Road  
**CITY:** West Bend

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection):  
**X=** 670993 **Y=** 329493

**CONTAMINATED MEDIA:** Groundwater  Soil  Both

**OFF-SOURCE GW CONTAMINATION >ES:**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

**GPS COORDINATES** (meters in WTM91 projection): **X=** \_\_\_\_\_ **Y=** \_\_\_\_\_

**OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_

**GPS COORDINATES** (meters in WTM91 projection): **X=** \_\_\_\_\_ **Y=** \_\_\_\_\_

**CONTAMINATION IN RIGHT OF WAY:**  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties
- County Parcel ID number, if used for county, for all affected properties 1120.172.0003
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. B-1 ON DISK
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour B-5 on disk
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy) B-6 & B-7 ON DISK & B-2
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)
- Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure

<input checked="" type="checkbox"/>
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NA
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NA
NA
NA



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Gloria L. McCutcheon, Regional Director

Waukesha Service Center  
141 NW Barstow St.  
Room 180  
Waukesha, Wisconsin 53188  
Telephone 262-574-2100  
FAX 262-574-2117

October 28, 2005

Mr. Jonathon Jacobson  
Wisconsin Department of Military Affairs  
2400 Wright Street  
Madison, WI 53714-0587

FID# 267073840  
BRRTS# 02-67-373831

Subject: Final Case Closure for Wisconsin Army National Guard AASF #1, 125 Chopper Drive,  
West Bend

Dear Mr. Jacobson:

On August 11, 2005, the Wisconsin Department of Natural Resources (Department) notified you that conditional closure was granted to this case. These conditions were the abandonment of all monitoring wells and the disposal of any investigative waste. On October 21, 2005, the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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 registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Please be aware that this 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 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 (262) 574-2140.

Sincerely,

Brenda H. Boyce, P.G.  
Hydrogeologist  
Remediation and Redevelopment Program

C: Steve Wiskes – MWH Americas, Inc.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
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Waukesha Service Center  
141 NW Barstow St.  
Room 180  
Waukesha, Wisconsin 53188  
Telephone 262-574-2100  
FAX 262-574-2117

August 11, 2005

Mr. Jonathon Jacobson  
Wisconsin Department of Military Affairs  
2400 Wright Street  
Madison, WI 53714-0587

FID# 267073840  
BRRTS# 02-67-373881

Subject: Conditional Case Closure for Wisconsin Army National Guard AASF #1, 125 Chopper Drive, West Bend

Dear Mr. Jacobson:

On June 16, 2005, the Wisconsin Department of Natural Resources (Department) received your request for closure of the case described above. The Department 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 Department has determined that the petroleum contamination on the site from an historic petroleum spill 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 Ms. Victoria Stovall on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dwg/gw/](http://www.dnr.state.wi.us/org/water/dwg/gw/) or provided by the Department of Natural Resources.
- Any remaining waste (soil piles, drilling spoil, and/or purge water) 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. Please send a letter advising me that any remaining waste has been removed once that work is completed.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (262) 574-2140.

Sincerely,

Brenda H. Boyce, P.G.  
Hydrogeologist  
Remediation and Redevelopment Program

C: Bruce Iverson – MWH Americas, Inc.



OFFICE OF THE ADJUTANT GENERAL

State of Wisconsin / DEPARTMENT OF MILITARY AFFAIRS

P.O. BOX 8111  
MADISON 53708-8111  
TELEPHONE 608 242-3000  
DSN 724-3000

June 7, 2001

Office of the Legal Counsel

Mr. Richard C. Yde  
City Attorney  
The City of West Bend  
1115 South Main Street  
West Bend, WI 53095

Dear Mr. Yde:

Enclosed is the transfer approval from the State Chief Engineer, the written consent from the Governor, the deed signed by the Adjutant General and the Wisconsin Real Estate Transfer Return form.

If you have any questions concerning these documents, please feel free to contact me directly at (608) 242-3071.

Sincerely,



MIGUEL R. FLORES  
SGT, WIARNG  
Legal Assistant

Enclosure



State of Wisconsin / DEPARTMENT OF MILITARY AFFAIRS

P O BOX 8111  
MADISON 53708-8111

TELEPHONE 608 242-3000  
DSN 724-3000

OFFICE OF THE ADJUTANT GENERAL

19 April 2001

Memorandum for: Mr. Adel Tabrizi, State Chief Engineer,  
Division of Facilities Development,  
Department of Administration  
7<sup>th</sup> Floor, 101 E. Wilson St.  
Madison, WI 53701

From: LTC Terry McArdle, *Terry McArdle*  
Legal Counsel  
Department of Military Affairs  
2400 Wright Street  
Madison, WI 73704-2572

SUBJECT: Approval of real estate parcel sale in exchange for long term lease

1. Our current armory building site at the Airport in West Bend is insufficient in size to build the new aircraft maintenance building with the federal funding allocated. The current parcel is an irregular parcel of about 8.77 acres, with no logical place on it for the new building. The City of West Bend has acquired a parcel to the west of our current parcel and is willing to lease us that parcel. Apparently, there is an economic advantage to the City's ownership of the whole parcel in terms of qualification for federal airport funds and the long-term development of the airport. Therefore, the City of West Bend has asked us to deed them back the parcel we already own and occupy, and in turn they will lease us the entire 17 acres we need for a 75 year period.
2. The Department of Military affairs is not economically hurt in this transaction due to the fact we paid only nominal consideration for the current parcel and obtained it from the City to begin with. We do have improvements on the current parcel but by the exchange for a lease of both parcels we will more than recoup any economic investment we have already made. Furthermore, the leaseback will be for a period of seventy-five (75) years with a right to renew, and will also be for nominal consideration, the exchange of the parcel we own. Therefore, the Department is in favor of this transaction.
3. The City assessor has valued the existing 8.77 acres at a value of \$18,000.00 per acre based on sale comparisons of similar property. Therefore, our existing real property has a value of \$157,860 for the raw land. No consideration was taken into account for the buildings on the parcel since we will continue to occupy and use these buildings under the new 75 year lease term. The City assessor also valued the new 75 year lease term on the entire parcel consisting of 34.87 acres, which includes the 8.77 acres we now occupy. She has valued that lease on a comparison basis to similarly leased property in West Bend and come up with a value over the 75 year life of the lease of \$679,400.00. Since, the cost of the lease to the Department of Military affairs is in essence only the value of

exchanging the title to the 8.77 acre we are saving \$521, 540.00 to the State of Wisconsin and the federal government. Or in the alternative had the state had to buy the additional 26.1 acres from West Bend at \$18,000.00 per acre we would have spent \$469,800.00, which we will not have to do by use of this method. So in either case there is a significant savings to the State by making this exchange, with no outlay of funds by the state.

4. The Department is of the opinion that this is an acceptable fair market value exchange for this parcel, and has agreed to it subject to approval by you as State Chief Engineer of the appraisal and by the Governor, pursuant to section 21.19 (3) of the Wisconsin Statutes. We are now seeking your approval of this exchange sale. If you have any questions please direct them to our legal counsel's office to LTC Terry McArdle at 242-3077.

23 April 2001

Memorandum for: MG James G. Blaney  
The Adjutant General  
Department of Military Affairs  
Madison, WI 53704-2572

From: Adel Tabrizi, State Chief Engr, DOA/DFD

Subject: Approval of sale of real estate parcel in exchange for long term lease

1. I have reviewed the attached and foregoing memorandum concerning the Department of Military Affairs request to exchange a deed for a smaller parcel for a 75 year lease on a 34.87 acre parcel at the West Bend airport.
2. I find the assessor's valuation method to be acceptable and the transfer of the title to the 8.77 acres in exchange for the 75 year lease on the 34.87 acres to be reasonable. I also find a substantial savings will accrue to the state and therefore I approve of this sale of this parcel.

Approved By: \_\_\_\_\_

*Adell Tabrizi, PE*

Adell Tabrizi, State Chief Engineer  
Division of Facilities, Dep. of Administration  
State of Wisconsin

Dated: \_\_\_\_\_

*4-30-2001*



SCOTT McCALLUM

Governor  
State of Wisconsin

Governor's Legal Counsel

April 27, 2001

Major General James G. Blaney  
The Adjutant General  
Department of Military Affairs  
2400 Wright Street  
Madison, WI 53704-2572

SUBJECT: Approval of sale of a parcel in exchange for a 75 year lease on a larger parcel at the West Bend Airport

Dear General Blaney:

I have reviewed the memorandum from you, and one from LTC McArdle to Mr. Adel Tabrizi our State's Chief Engineer, regarding your request to sell the existing armory property in exchange for a long term leaseback of that parcel and an adjacent one. I have also reviewed Mr. Tabrizi's approval of this exchange in accordance with section 21.19 (3) (a) of the Statutes. I agree that this exchange is in the best interests of the State of Wisconsin, the Wisconsin National Guard and the City of West Bend.

Therefore, I approve the sale of the current armory parcel to the City of West Bend, as indicated on the attached deed, in exchange for a seventy-five (75) year renewable lease of this same parcel and an additional parcel to be used for the new aircraft maintenance facility. It is my understanding that the total leased area will be thirty-four plus acres (34.87). This approval is pursuant to section 21.19 (3) (a) of the Wisconsin Statutes.

A handwritten signature in black ink that reads "Scott McCallum".

Scott McCallum,  
Governor

Cc: Mayor Mike Miller, City of West Bend  
Mr. Richard Yde, City Attorney, City of West Bend

STATE BAR OF WISCONSIN FORM 3 - 2000  
QUIT CLAIM DEED

Document Number

**This Deed**, made between The State of Wisconsin, Department of Military Affairs, by the Adjutant General Grantor, and The City of West Bend, a Wisconsin Municipal Corporation Grantee.

Grantor quit claims to Grantee the following described real estate in Washington County, State of Wisconsin (if more space is needed, please attach addendum):

The part of the North East Quarter of the North West Quarter (NE 1/4 NW 1/4) and Government Lot 3 of Section Seventeen (17), Township Eleven (11) North, Range Twenty (20) East of the fourth principle meridian, Washington County, Wisconsin, described as follows:

SEE ALSO ATTACHED ADDENDUM

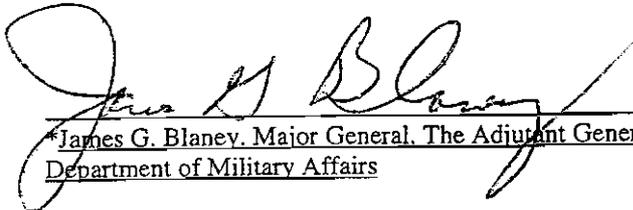
Together with all appurtenant rights, title and interests.

Recording Area

Name and Return Address

Parcel Identification Number (PIN)  
This is not homestead property.

Date this 6<sup>th</sup> day of June, 2001.



\* James G. Blaney, Major General, The Adjutant General, Wisconsin Department of Military Affairs

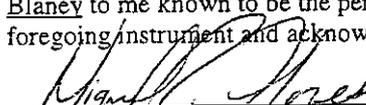
**AUTHENTICATION**

Signature(s) \_\_\_\_\_ authenticated this \_\_\_\_\_ day of \_\_\_\_\_,

**ACKNOWLEDGMENT**

STATE OF WISCONSIN )  
 ) ss.  
Dane County )

Personally came before me this 6<sup>th</sup> day of June, 2001 the above named MG James G. Blaney to me known to be the person \_\_\_\_\_ who executed the foregoing instrument and acknowledged the same.

  
\*Miguel R. Flores  
Notary Public, State of Wisconsin  
My Commission is permanent. (If not, state expiration date: March 2, 2003.)

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

THIS INSTRUMENT WAS DRAFTED BY  
Terence J. McArdle, Attorney at Law  
State Bar No. 1008665  
(Signatures may be authenticated or acknowledged. Both are not necessary.)

\*Names of persons signing in any capacity must be typed or printed below their signature.

ADDENDUM TO WISCONSIN REAL ESTATE TRANSFER RETURN, MADE BETWEEN STATE OF  
WISCONSIN, DEPARTMENT OF MILITARY AFFAIRS, BY THE ADJUTANT GENERAL (Grantor)  
TO THE CITY OF WEST BEND,  
A WISCONSIN MUNICIPAL CORPORATION (Grantee)

The part of the North East Quarter of the North West Quarter (NE ¼ NW ¼) and Government Lot 3 of Section Seventeen (17), Township Eleven (11) North, Range Twenty (20) East of the fourth principle meridian, Washington County, Wisconsin.

Commencing at the north quarter corner of said Section 17, and running thence West along the north line of said Section 17, 570.40 feet; thence South 3 degrees 5 minutes East, 1028.90 feet to the point of beginning of parcel herein described; thence South 3 degrees 5 minutes East, 388.39 feet; thence South 59 degrees, 701.66 feet; thence North 3 degrees 5 minutes West, 750.34 feet; thence East 621.08 feet to the point of beginning, containing 8.015 acres.

Also a strip, belt or parcel of land, 66 feet in width, lying in the North East Quarter of the North West Quarter (NE ¼ NW ¼) and Government Lot 4 of Section Seventeen (17), Township Eleven (11) North, Range Twenty (20) East, the centerline of which is described below:

Commencing at a point in the north line of said Section 17, said point being situated 1300.70 feet West of the north quarter corner of said Section 17, and running thence South 3 degrees 5 minutes East, 957.80 feet; thence on a curve to the left, with a length of curve of 172.79 feet; a radius of 110.00 feet; and a chord length of 155.56 feet, bearing South 48 degrees 5 Minutes East to a point in the west line of parcel of land of described above. The strip, parcel or belt of land contains 1.713 acres.

Together with any and all adjacent property hereto, which is or may be currently occupied by, adversely possessed by, or licensed for use by the Wisconsin Department of Military Affairs and the Wisconsin Army National Guard. More specifically all of said lands which are located within the North East Quarter of the North West Quarter (NE ¼ NW ¼), Government Lot 3, and Government Lot 4, all of Section Seventeen (17), Township Eleven (11) North, Range Twenty (20) East of the fourth principal meridian, Washington County, Wisconsin.

# Wisconsin Real Estate Transfer Return



## VI. TRANSFER

39. Grantor/Grantee relationship is: None Financial Partnership Corp./Shareholder/Subsidiary Family  Other → STATE GOVERNMENT If Family or Other, Explain

40. Type of Transfer:  Sale (includes original land contract) Exchange Deed in satisfaction of land contract Other (explain) →

41. Ownership interest transferred:  Full Partial (explain) Other (explain) →

42. Does grantor retain any of the following rights? None Life Estate Easement  Other (explain) → LEASE BACK

43. Grantor is: Individual Partnership Corporation Limited Liability Company Trust  Other (specify) → STATE GOVERNMENT

## VII. GRANTEE'S FINANCING

44. Check boxes for all financing types that apply: Financial institution—Conventional Financial institution—Government Obtained from seller Assumed existing financing Other 3rd party financing  No financing involved

## VIII. PHYSICAL DESCRIPTION AND GRANTEE'S PRIMARY USE OF PROPERTY

45. Type of Property:  Land and building(s) Land only Condominium Other (specify) →

46a. Predominant Use: Single family Multi-family → No. of Units Time Share Unit Agricultural, if so, did the grantor own property for less than 5 years? → Yes No

46b. Check if Grantee's Primary Residence

Commercial  Miscellaneous If any boxes at left are checked, explain use here ↓

Utility Manufacturing/Telephone Company ARMY AVIATION FACILITY

47. Estimated land area: If condominium, check here and proceed to line 50. 47a. Lot Size (ROUND TO NEAREST WHOLE FOOT) FEET X FEET 47b. Total Acres OR 8.8 ROUND TO TENTH OF AN ACRE 48. MFL/PFC/WTL Acres 49. Feet of Water Frontage ROUND TO NEXT WHOLE ACRE

## IX. ENERGY

50. Is this property subject to the Residential Rental Weatherization Standards, COMM67? Yes  No (if No, provide exclusion code) → W- 3 51. Exclusion Code → If W-11, attach explanation 52. If W-12 provide document number where recorded

## X. CERTIFICATION—We declare under penalty of law, this return has been examined by us and to the best of our knowledge and belief it is true, correct and complete.

53. Agent for:  Grantor 54. Agent's Name (if agent involved in sale) TERENCE J. MCARDLE 55. Telephone Number 6082423077 AREA CODE

56. Street or Fire Number, if any 2400 56a. Street name, PO Box, or other address (enter "PO Box" and box number) WRIGHT STREET

57. City MADISON 58. State WI 59. Zip Code 537042572

60. Preparer's Name or Firm Name OFFICE OF THE LEGAL COUNSEL 61. Telephone Number 6082423071 AREA CODE

## SEND TAX BILL TO: 62. Name

63. Street or Fire Number, if any 63a. Street Name, PO Box, or Other Address (enter "PO Box" and Box Number)

64. City 65. State 66. Zip Code

67. Grantor's Street or Fire Number, if any 2400 67a. Grantor (where grantor can be reached in the future) Street Name, PO Box, or Other Address (enter "PO Box" and Box Number) WRIGHT STREET

68. City MADISON 69. State WI 70. Zip Code 537042572

71. Dated 06 06 2001 72. Telephone Number 6082423077 74. Dated 75. Telephone Number

MONTH DAY YEAR AREA CODE MONTH DAY YEAR AREA CODE

73. Signature of Grantor or Grantor's Agent (PLEASE ATTEMPT TO KEEP SIGNATURE WITHIN BOX) 76. Signature of Grantee or Grantee's Agent (PLEASE ATTEMPT TO KEEP SIGNATURE WITHIN BOX)

ADDENDUM TO WISCONSIN REAL ESTATE TRANSFER RETURN, MADE BETWEEN STATE OF  
WISCONSIN, DEPARTMENT OF MILITARY AFFAIRS, BY THE ADJUTANT GENERAL (Grantor)  
TO THE CITY OF WEST BEND,  
A WISCONSIN MUNICIPAL CORPORATION (Grantee)

The part of the North East Quarter of the North West Quarter (NE  $\frac{1}{4}$  NW  $\frac{1}{4}$ ) and Government Lot 3 of Section Seventeen (17), Township Eleven (11) North, Range Twenty (20) East of the fourth principle meridian, Washington County, Wisconsin.

Commencing at the north quarter corner of said Section 17, and running thence West along the north line of said Section 17, 570.40 feet; thence South 3 degrees 5 minutes East, 1028.90 feet to the point of beginning of parcel herein described; thence South 3 degrees 5 minutes East, 388.39 feet; thence South 59 degrees, 701.66 feet; thence North 3 degrees 5 minutes West, 750.34 feet; thence East 621.08 feet to the point of beginning, containing 8.015 acres.

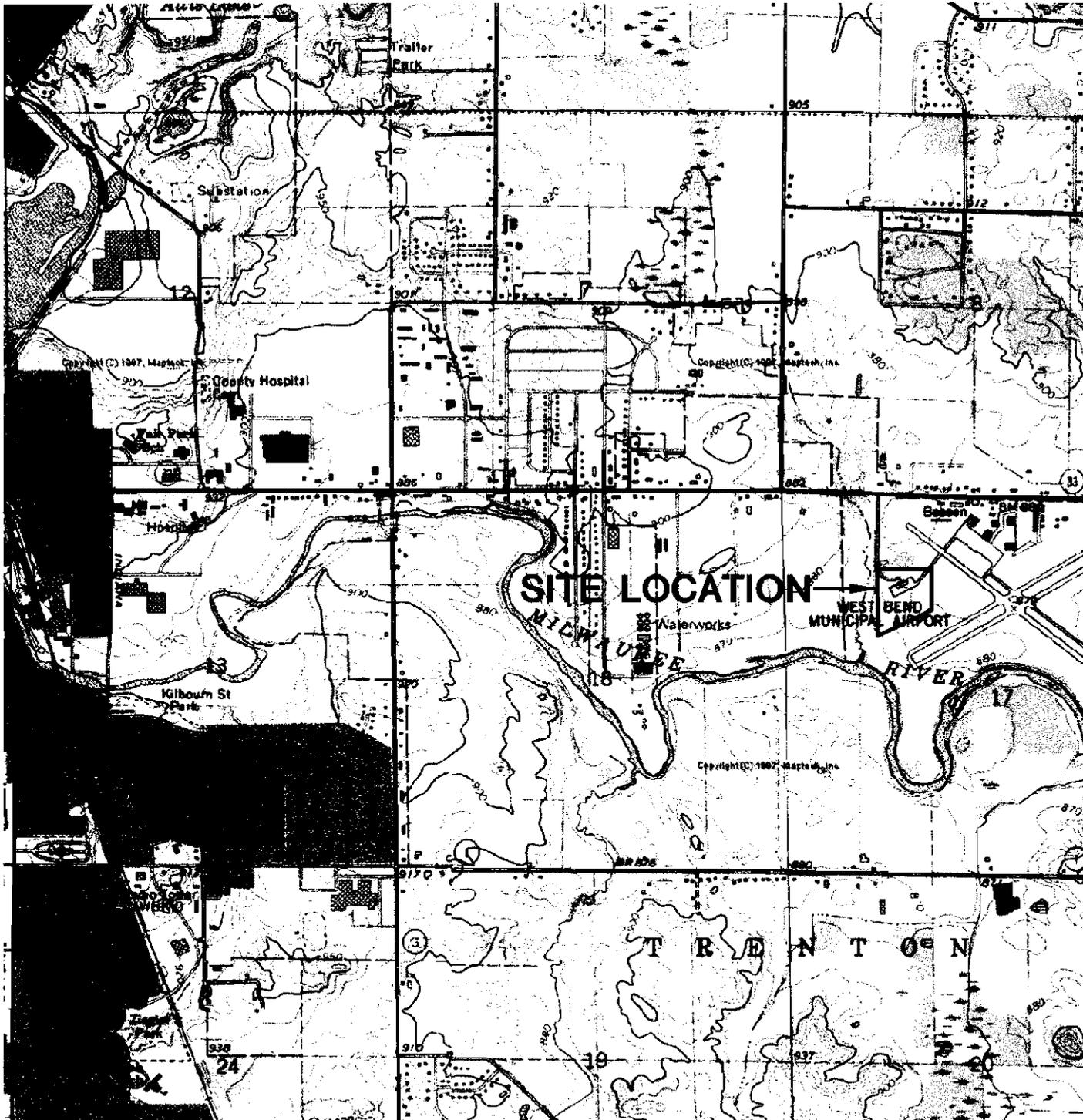
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8-END

R19E | R20E



Management Review  
Other

11-14-01  
11-5-01

Technical Review  
Project Manager

10-30-01  
10-31-01

Graphic Standards  
Lead Professional

DLF  
LAS

QUALITY CONTROL

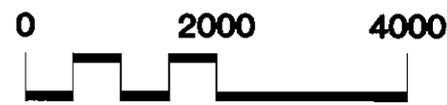
This document has been developed for a specific application and may not be used without the written approval of Montgomery Watson Harza.

**NOTE**

BASE MAP DEVELOPED FROM THE WEST BEND, WISCONSIN 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1959, REVISED 1994.



QUADRANGLE LOCATION

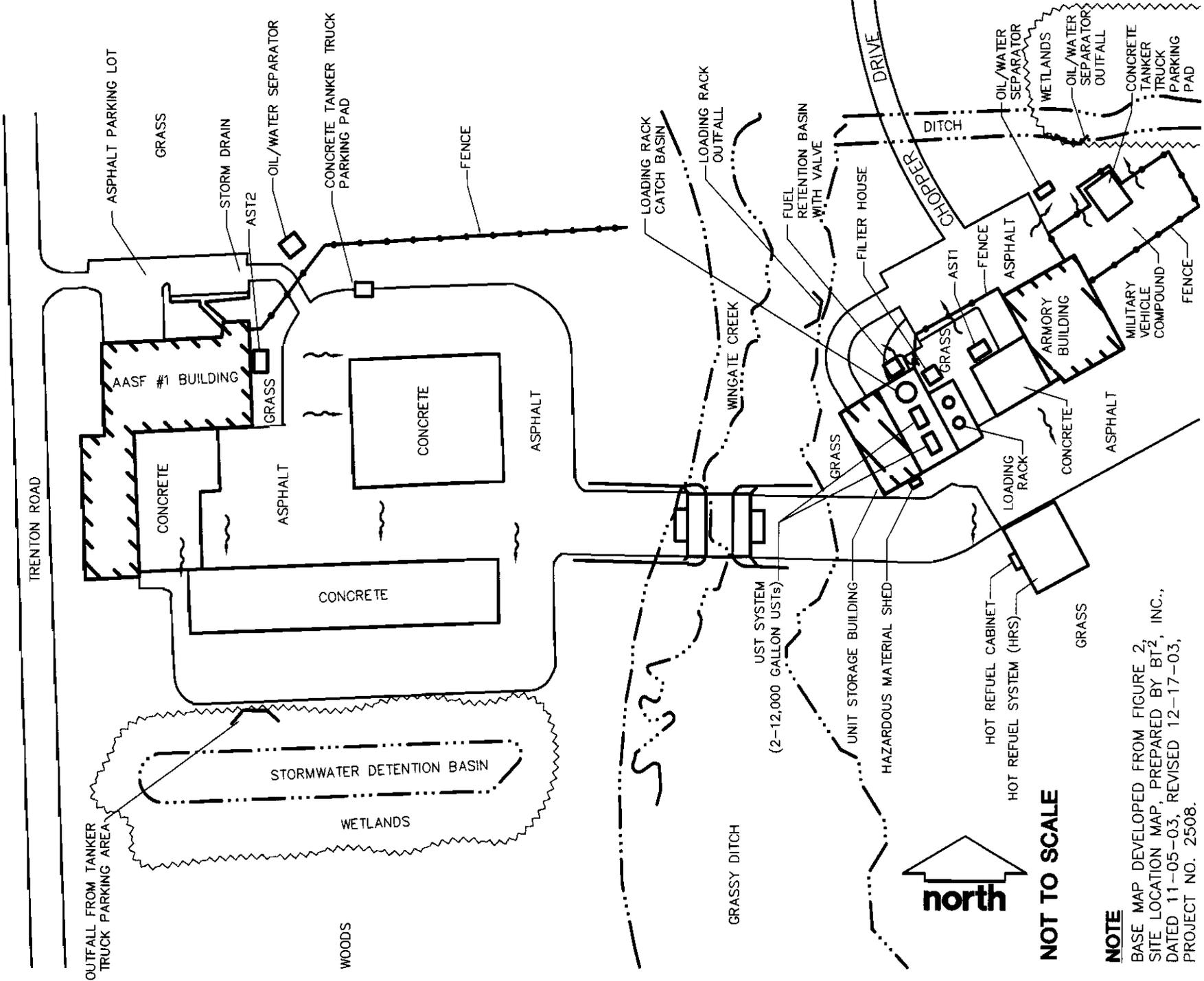


SCALE IN FEET

Developed By LAS	Drawn By DLF	<b>SITE LOCATION MAP</b>	Drawing Number 2082314
Approved By <i>Ben Harza</i>	Date 7-27-04		01180101
Reference		APPARENT PETROLEUM RELEASE INVESTIGATION ARMY AVIATION SUPPORT FACILITY 125 CHOPPER DRIVE WEST BEND, WISCONSIN	
Revisions			

Other	Management Review
7-16-04	7-20-04
Graphic Standards LCI	Lead Professional LAS
7-16-04	7-20-04
Technical Review	Project Manager BAI
7-16-04	7-22-04

This document has been developed for a specific application and may not be used without the written approval of MWH.



**NOT TO SCALE**

**NOTE**

BASE MAP DEVELOPED FROM FIGURE 2, SITE LOCATION MAP, PREPARED BY BT<sup>2</sup>, INC., DATED 11-05-03, REVISED 12-17-03, PROJECT NO. 2508.

Developed By	LAS	Drawn By	LCL
Approved	<i>[Signature]</i>	Date	7-27-04
Reference			
Revisions			

**CURRENT SITE FEATURES**

APPARENT PETROLEUM RELEASE INVESTIGATION  
 ARMY AVIATION SUPPORT FACILITY  
 125 CHOPPER DRIVE  
 WEST BEND, WISCONSIN

Drawing Number  
 2082314  
 01180101



A3

TABLE 1

Summary of Soil Analytical Results  
 Apparent Petroleum Release Investigation  
 Army Aviation Support Facility  
 125 Chopper Drive  
 West Bend, Wisconsin

Parameter	NR 720 Generic Standards	NR 720 Industrial Residual Contaminant SSLs <sup>(4)</sup>	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B5 <sup>(5)</sup>	B6
			(2-4 ft)	(0-2 ft)	(0-2 ft)	(2.5-3 ft)	(2-3 ft)	(2-3ft)	(3-4 ft)	(3-4 ft)	(3-4 ft)	(2-3.5 ft)	(3-4 ft)	(3-5 ft)	(2.5-3.5 ft)
Date			11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000
PID Reading (I.U.)			0	0	0	0	0	0	0	0	0	0	0	0	0
VOCs <sup>(1)</sup> (mg/kg)															
1,2,4-Trimethylbenzene	NS	51,100	<0.025	<0.025	0.031 (J)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
1,3,5-Trimethylbenzene	NS	51,100	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
n-Butylbenzene	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
sec-Butylbenzene	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
tert-Butylbenzene	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
Isopropylbenzene	NS	102,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
p-Isopropyltoluene	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
Naphthalene	NS	20,400	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
n-Propylbenzene	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
Tetrachloroethene	NS	55	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
Toluene	1.5 <sup>(3)</sup>	204,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
m&p-Xylene	4.1 <sup>(3)</sup>	204,000	<0.025	<0.025	0.028 (J)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
o-Xylene	4.1 <sup>(3)</sup>	2,040,000	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<0.025
GRO (mg/kg)	100	NS	<1.4	<3.2	<3.4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NA	<1.3
DRO (mg/kg)	100	NS	<1.8	<4.1	<4.3	<1.6	<1.6	<1.7	<1.6	<1.7	<1.6	<1.6	<1.7	NA	<1.6
PAH (mg/kg)	NS	NS	NA	0.0031 (J)	NA										
Total Lead (mg/kg)	50 <sup>(2)</sup>	NS	NA	1.1	NA										
Total Cadmium (mg/kg)	8 <sup>(2)</sup>	NS	NA	<0.038	NA										
PCB (mg/kg)	NS	NS	NA	<0.0046	NA										

TABLE 1

Summary of Soil Analytical Results  
 Apparent Petroleum Release Investigation  
 Army Aviation Support Facility  
 125 Chopper Drive  
 West Bend, Wisconsin

Parameter	NR 720 Generic Standards	NR 720 Industrial Residual Contaminant SSLs <sup>(4)</sup>	C1	C2 <sup>(5)</sup>	C3	C4	C5	C6	Methanol	D1	D2	D3	D4	D5	D6	Methanol	E1
			(2-3 ft)	(2-3.5 ft)	(1.5-3 ft)	(2-3 ft)	(2.5-3.5 ft)	(2-3 ft)	Blank	(4-6 ft)	(4-6 ft)	(4-6 ft)	(4-6 ft)	(6-8 ft)	(6-8 ft)	Blank	(5-7 ft)
Date			11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	8/21/2001	8/21/2001	8/21/2001	8/21/2001	8/21/2001	8/21/2001	8/21/2001	8/23/2001
PID Reading (I.U.)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA
VOCs <sup>(1)</sup> (mg/kg)																	
1,2,4-Trimethylbenzene	NS	51,100	<0.025	7.4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
1,3,5-Trimethylbenzene	NS	51,100	<0.025	4.6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
n-Butylbenzene	NS	NS	<0.025	28	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
sec-Butylbenzene	NS	NS	<0.025	3.7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
tert-Butylbenzene	NS	NS	<0.025	3.4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
Isopropylbenzene	NS	102,000	<0.025	1.7 (J)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
p-Isopropyltoluene	NS	NS	<0.025	8.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
Naphthalene	NS	20,400	<0.025	5.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
n-Propylbenzene	NS	NS	<0.025	1.3 (J)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
Tetrachloroethene	NS	55	<0.025	14	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
Toluene	1.5 <sup>(3)</sup>	204,000	<0.025	3.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
m&p-Xylene	4.1 <sup>(3)</sup>	204,000	<0.025	<1.2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
o-Xylene	4.1 <sup>(3)</sup>	2,040,000	<0.025	2.8 (J)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA
GRO (mg/kg)	100	NS	<1.3	1200 (L)	<1.3	<1.3	<1.3	<1.3	NA	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NA	NA
DRO (mg/kg)	100	NS	<1.6 (L)	2000 (L)	<1.6	6.1 (B)	<1.6	<1.6	NA	6.9 (L,B)	13 (L,B)	4.4 (J,L,B)	4.7 (J,L,B)	4.1 (J,L,B)	4.1 (J,L,B)	NA	NA
PAH (mg/kg)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.061
Total Lead (mg/kg)	50 <sup>(2)</sup>	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1
Total Cadmium (mg/kg)	8 <sup>(2)</sup>	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14
PCB (mg/kg)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.060

Footnotes:

- (1) = 51 VOCs were analyzed, only those detected are listed in this table
  - (2) = NR 720 RCL Table 2, generic standards based on non-industrial direct contact
  - (3) = NR 720 RCL Table 1, generic standards based on protection of groundwater
  - (4) = Default site specific non-industrial and industrial RCLs were developed using the WDNRs default exposure assumptions as described in NR 720.19 for noncarcinogens and carcinogens. If there is no default site specific RCL, it is because there is no toxicity value for the compound. Specifically direct contact RCLs were developed using USEPA's Soil Screening Calculations webpage: <http://risk.lsd.ornl.gov/epa/ss11.shtml>
  - (5) = Slight petroleum odor noted by olfactory
- Bold** = Indicates an NR 720 exceedance

General Notes:

- VOC=Volatile Organic Compound
- GRO=Gasoline Range Organic
- DRO=Diesel Range Organic
- PAH=Polycyclic Aromatic Hydrocarbon
- PCB=Polychlorinated Biphenyls
- NS = No Standard
- NA = Not Analyzed
- (J) = indicates an estimated value (between the LOD and LOQ).
- (B) = Analyte detected in associated Method Blank.
- SSL = Site Specific Levels
- (L) = Significant peaks were detected outside the chromatographic window.

TABLE 3

**Summary of F1, F2, and F3 Soil Analytical Results  
Apparent Petroleum Release Investigation  
Army Aviation Support Facility  
125 Chopper Drive  
West Bend, Wisconsin**

Boring ID	Sample Date	Sample Depth (ft bgs)	PID Reading (ppm eq)	GRO (mg/kg)	DRO (mg/kg)	VOCs <sup>(a)</sup> (mg/kg)	Polynuclear Aromatic Hydrocarbons (PAHs) <sup>(d)</sup> in mg/kg											
							Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
F1	2/20/2003	4-5	0.0	<1.6	<5.0 (H)	<0.032	<0.0026	0.0018	0.0025	0.0063	0.0064	0.0013 (J)	<0.0042	<0.0010	<0.0016	<0.026	<0.0030	0.0073 (J)
F2	2/20/2003	4-5	0.0	1.7 (L)	<4.6	<0.032	0.031	0.16	0.24	0.27	0.26	0.11	0.25	0.51	0.25	0.31	0.22	0.59
F3	2/20/2003	4-5	0.0	<1.6	<4.6	<0.032	<0.0024	0.0035	0.0055	0.0084	0.026	0.0029 (J)	<0.0038	0.0071	<0.0015	<0.024	<0.0028	0.0094 (J)
<b>Default Site Specific Direct Contact RCLs (Non-Industrial) <sup>(a)</sup></b>				NS	NS	NS	23,000	0.13	0.01	0.13	310	1.3	13	3,100	0.13	310	310	2,300
<b>Default Site Specific Direct Contact RCLs (Industrial) <sup>(a)</sup></b>				NS	NS	NS	150,000	2	0.20	2	20,000	20	200	20,000	2	20,000	20,000	15,000
<b>Site Specific Levels (SSLs) for Soil to Groundwater <sup>(b)</sup></b>				100	100	NS	2,200	NS	0.04	NS	NS	NS	NS	290	NS	150	NS	220

**Notes:**

- Only detected PAHs are listed. For a complete analyte list see the laboratory analytical report.
- RCL = Wisconsin Administrative Code, Chapter NR 720, Residual Contaminant Level (RCL) (January 2001).
- GRO = Gasoline range organics; DRO = Diesel Range Organics
- Bolded** results exceed Wisconsin Administrative Code, Chapter NR 720, Direct Contact, Industrial Scenario, RCLs.
- Italicized** results exceed Wisconsin Administrative Code, Chapter NR 720, Direct Contact, Nonindustrial Scenario, RCLs.
- (J) = Estimated value. The value is greater than the Limit of Detection (LOD), but less than the Limit of Quantitation (LOQ).
- (L) = Significant peaks were detected outside the chromatographic window.
- (H) = Holding time exceeded.
- NS = No Standard or action limit established.

**Footnotes:**

- Default site specific non-industrial and industrial RCLs were developed using the WDNRs default exposure assumptions as described in NR 720.19 for noncarcinogens and carcinogens. If there is no default site specific RCL, it is because there is no toxicity value for the compound. Specifically direct contact RCLs were developed using USEPA's Soil Screening Calculations webpage: <http://risk.lsd.ornl.gov/epa/ssl1.shtml>
- SSLs for soil to groundwater pathway were developed using USEPA's Soil Screening Calculations webpage.  
Site specific values used to develop SSLs include: 1) Depth of source = 0.9144 m; 2) Hydraulic conductivity = 3.80E+03 m/yr (geometric mean); 3) Hydraulic gradient = 8.914E-03 m/m (average); 4) Length of source parallel to groundwater flow = 11.43 m; 5) Aquifer thickness = 1.83 m.
- VOCs were analyzed by EPA Method 8021, which includes 51 compounds. No VOCs were detected.
- PAHs were analyzed by EPA Method 8310, which includes 18 compounds. Only detects are shown.

3-BND