

# GIS REGISTRY

## Cover Sheet

March, 2010  
(RR 5367)

### Source Property Information

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**COMM #:**

#### \*WTM COORDINATES:

X:  Y:

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

#### WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
- Approximate Source Parcel Center

**Please check as appropriate:** (BRRTS Action Code)

#### Contaminated Media:

- Groundwater Contamination > ES (236)
- Contamination in ROW
- Off-Source Contamination  
*(note: for list of off-source properties see "Impacted Off-Source Property" form)*
- Soil Contamination > \*RCL or \*\*SSRCL (232)
- Contamination in ROW
- Off-Source Contamination  
*(note: for list of off-source properties see "Impacted Off-Source Property" form)*

#### Land Use Controls:

- N/A (Not Applicable)
- Soil: maintain industrial zoning (220)  
*(note: soil contamination concentrations between non-industrial and industrial levels)*
- Structural Impediment (224)
- Site Specific Condition (228)
- Cover or Barrier (222)  
*(note: maintenance plan for groundwater or direct contact)*
- Vapor Mitigation (226)
- Maintain Liability Exemption (230)  
*(note: local government unit or economic development corporation was directed to take a response action)*

#### Monitoring Wells:

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

- Yes  No  N/A

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

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

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

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

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

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

**SOURCE LEGAL DOCUMENTS**

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

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

- Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.
- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
**Note:** Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.  
**Figure #: 1**                      **Title: Site Location Map**
  - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 3**                      **Title: Site Layout and Utility Locations**
  - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 4**                      **Title: Analytes Detected in Soil Exceeding Direct Contact or GW Protection Concentrations**

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ACTIVITY NAME: Former Fort McCoy Building 2182

**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 #:**                      **Title:**

**Figure #:**                      **Title:**

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

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

**Figure #:**                      **Title:**

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

**Figure #:**                      **Title:**

**Figure #:**                      **Title:**

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

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

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

**Table #: 1                      Title: Summary of Detected Parameters in Soil**

- 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 #:**                      **Title:**

- 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 #:**                      **Title:**

**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).

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ACTIVITY NAME: Former Fort McCoy Building 2182

## NOTIFICATIONS

### Source Property

**Not Applicable**

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

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

### Off-Source Property

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

**Not Applicable**

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

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

**Number of "Off-Source" Letters:**

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

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

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

**Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

**Number of "Governmental Unit/Right-Of-Way Owner" Letters:**



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TTY Access via relay - 711

December 9, 2010

Mr. Alan L. Balliett  
Environmental Branch Chief  
Fort McCoy  
2171 South 8<sup>th</sup> Avenue  
Fort McCoy, WI 54656

SUBJECT: Final Case Closure with Continuing Obligations  
Fort McCoy Flammable Storage Bldg. 2182  
2182 South 8<sup>th</sup> Avenue, Fort McCoy, WI 54656  
WDNR BRRTS Activity # 02-42-198299

Dear Mr. Balliett:

On November 11, 2010, the West Central Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 12, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On December 2, 2010, the Department received information or documentation indicating that you have complied with the requirements for final closure. Conditions of closure included proper monitoring well abandonment, listing of this site on the Department's GIS Registry for soil, and maintenance of a soil cover over residual contamination in shallow site soils.

The Department reviewed the case closure request regarding the contamination in soil and groundwater associated with historic storage of unspecified flammable materials in the vicinity of former Flammable Storage Building 2182 at this site. 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. However, you and future property owners must comply with certain continuing obligations as explained in this letter.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet-accessible GIS Registry, to provide notice of residual contamination, and of any continuing obligations. The continuing obligations for this site are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- A soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.

All site information, including the maintenance plan, is also on file at the West Central Regional DNR office, at 1300 West Clairemont Avenue, Eau Claire, WI 54701. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry, in a PDF attachment. 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 at <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

#### Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. You must pass on both the information about these continuing obligations and the maintenance plan to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter including compliance with attached maintenance plans are met.

#### Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the soil cover that currently exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

Soil contamination remains in the vicinity of a flammable storage building formerly located on the property, as shown on the attached map and in the information submitted to the Department of Natural Resources. If soil in the specific locations shown on the attached map is excavated in the future, 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 statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection log are to be kept up-to-date and on-site. Please submit the inspection log to the Department only upon request.

#### Prohibited Activities

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

Upon Department approval to replace the existing barrier, the replacement barrier must be one of similar permeability, until contaminant levels no longer exceed the applicable standards.

#### Post-Closure Notification Requirements

In accordance with ss. 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

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Fort McCoy Flamm Stor Bldg 2182  
December 9, 2010  
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- Disturbance, construction on, change or removal in whole or part of a soil barrier that must be maintained over contaminated soil.

Please send written notifications in accordance with the above requirements to West Central Regional DNR Headquarters, 1300 West Clairemont Avenue, Eau Claire, WI 54701, to the attention of the RR program Environmental Program Associate.

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.

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 Mae Willkom at (715) 839-3748 or via e-mail at [mae.willkom@wisconsin.gov](mailto:mae.willkom@wisconsin.gov).

Sincerely,



Bill Evans, Team Supervisor  
West Central Region  
Remediation & Redevelopment Program

cc: Craig Bartholomew, 2171 South 8<sup>th</sup> Ave., Fort McCoy, WI 54656

# Cap Maintenance Plan Soil Contamination Former Building 2182

*located at*

Fort McCoy, Wisconsin  
WDNR BRRTS # 02-42-198299

*Prepared for*

Department of the Army  
U.S. Army Garrison  
Fort McCoy, Wisconsin

*Prepared by*



**McCoy Public Works Joint Venture**

A Joint Venture Between Bering Straits Aki, LLC and LB&B Associates Inc.

2171 South 8<sup>th</sup> Avenue • Fort McCoy, WI 54656 • (608) 388-8453

**October 2010**

### **Introduction:**

This document is the Maintenance Plan (Plan) for a soil cap for the area where contamination was detected at Former Fort McCoy Building 2182 (BRRTS 02-42-198299), and has been prepared in accordance with the requirements of NR 724.13(2). The residuals were reported in soil sample "S-1", collected from the direct contact zone (Table 1). Dibenzo(a,h)anthracene, diesel range organics and lead were reported at concentrations above the non-industrial generic residual contaminant levels outlined in NR 720 and WDNR Guidance Publication RR-519-97. The location of the soil cover to be maintained in accordance with this Plan, as well as the location of the detected impacts, is identified on Exhibit A.

### **Cover Purpose:**

The contamination was reported in 1995 in a sample collected from less than four feet below land surface. Sampling results indicate that groundwater impacts are restricted to Preventive Action Limit exceedences for lead and arsenic at the monitoring wells installed near the former building. The former building is 4,900 feet downgradient of the nearest water supply well. The vegetated soil cover will serve as a barrier to minimize the risk of human exposures to this residual contamination that might otherwise pose a threat to human health. Based on the current use of this property, the barrier should function as intended unless it is disturbed.

### **Annual Inspection:**

The soil cover and grass vegetation overlying the soil contamination shown on Exhibit A will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, gulleying, and other potential problems that may lead to exposure of the contaminated soil. These inspections will be performed to evaluate damage due to settling, exposure to weather, wear from foot traffic or maintenance equipment, and other factors. Any damage to the surface will be documented. A log of the inspections and any repairs will be maintained by Fort McCoy on the form included as Exhibit B ("Cap Inspection Log"). The log will include recommendations for necessary repair of any areas where damage has occurred that may lead to surface exposure of underlying contaminated soils. Once repairs are completed, they will be documented on the inspection log. A copy of the inspection log will be maintained by Fort McCoy and made available for review by the Wisconsin Department of Natural Resources (WDNR) upon request.

If problems are noted during annual inspections or at any other time during the year, repairs will be completed as soon as practical. Repairs may include filling, grading, or reseeded/mulching, etc.

In the event that necessary maintenance activities or future site modifications expose the underlying soil, Fort McCoy will inform the contract maintenance workers of the direct contact exposure hazards so that the contractor will be able to utilize the appropriate personal protection equipment. Fort McCoy will sample any soil that is excavated from the area of known contamination prior to disposal to ascertain if contamination remains. All excavated soil will be stored and disposed of by Fort McCoy in accordance with applicable local, state, and federal regulations.

In the event that future mission requirements necessitate a change in surface features that disturb or modify the configuration of the soil cap, the changes will be engineered and installed to provide equal protection from the direct contact risks. Any changes will be subject to the same maintenance and inspection requirements outlined in this Plan unless indicated otherwise by the WDNR or its successor.

To maintain the integrity of the soil cap, Fort McCoy will maintain a copy of this Plan and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.).

**Amendment or Withdrawal of Maintenance Plan:**

This Plan can be amended or withdrawn by Fort McCoy or its successors with the written approval of WDNR.

**Contact Information:**

**Site Owner and Operator:** U.S. Army, Fort McCoy  
Mr. Alan L. Balliett  
Chief, Environmental Division  
Directorate of Public Works  
2171 South 8<sup>th</sup> Avenue  
Fort McCoy, Wisconsin 54656  
(608) 388-4776

**Environmental Contractor:** Mr. Craig O. Bartholomew  
McCoy Public Works Joint Venture  
2171 South 8<sup>th</sup> Avenue  
Fort McCoy, Wisconsin 54656  
(608) 388-8453

**WDNR:** Ms. Mae Willkom  
Wisconsin Dept. of Natural Resources  
1300 W Clairemont Avenue  
Eau Claire, WI 54702  
(715) 839-3748

**TABLE 1**  
**FORMER FORT MCCOY BUILDING 2182**  
**SUMMARY OF DETECTED PARAMETERS IN SOIL--INVESTIGATION RESULTS**  
**(mg/kg)**

PARAMETER	SAMPLING POINTS										SSL/RCL <sup>3</sup> (Non-Industrial) mg/kg	Protection of Groundwater mg/kg
	S-1 <sup>1</sup> (3.5')	2182-01-10	2182-01-16	2182-02-16 <sup>2</sup>	2182-05-16 <sup>2</sup>	2182-07-16 <sup>2</sup>	B-1 (8-12')	B-2 (14')	B-3 (14-15')	B-4 (12-15')		
Date	7/19/1995	8/27/1996	8/27/1996	9/24/1996	10/7/1996	10/9/1996	10/16/2006	10/16/2006	10/17/2006	10/17/2006		
Acenaphthene	<0.0033	0.210D	<0.0060	<0.030	NA	0.053	<0.041	<0.041	<0.041	<0.041	900 <sup>4</sup>	38 <sup>4</sup>
Anthracene	<0.011	0.170D	<0.00031	0.140	NA	0.011	<0.037	<0.037	<0.037	<0.037	5,000 <sup>4</sup>	3,000 <sup>4</sup>
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	15,000 <sup>5</sup>	82 <sup>5</sup>
Benzene	<0.016	<0.025	<0.025	0.00457 <sup>*</sup>	<i>0.00631</i> <sup>*</sup>	<i>0.00692</i> <sup>*</sup>	<0.019	<0.019	<0.019	<0.019	1.1 <sup>5</sup>	0.0055 <sup>5</sup>
Benzo(a)anthracene	0.033	0.050D	<0.00016	0.0089	NA	0.00024	<0.045	<0.045	<0.045	<0.045	0.088 <sup>4</sup>	17 <sup>4</sup>
Benzo(a)pyrene	<0.0045	0.058D	<0.00012	0.00091	NA	0.00023	<0.040	<0.040	<0.040	<0.040	0.0088 <sup>4</sup>	48 <sup>4</sup>
Benzo(b)fluoranthene	0.014	0.053D	<0.00030	<0.0015	NA	0.00032	<0.040	<0.040	<0.040	<0.040	0.088 <sup>4</sup>	360 <sup>4</sup>
Benzo(k)fluoranthene	<0.0058	0.018D	<0.00017	0.00086	NA	0.00020	<0.044	<0.044	<0.044	<0.044	0.88 <sup>4</sup>	870 <sup>4</sup>
Benzo(g,h,i)perylene	<0.0040	0.050D	<0.00026	<0.0013	NA	<0.00026	<0.036	<0.036	<0.036	<0.036	1.8 <sup>4</sup>	6,800 <sup>4</sup>
n-Butylbenzene	<0.018	1.200	<0.025	4.200	NA	0.470	<0.011	<0.011	<0.011	<0.011	NS	NS
sec-Butylbenzene	<0.027	<0.025	<0.025	0.930	NA	<0.025	<0.025	<0.025	<0.025	<0.025	NS	NS
tert-Butylbenzene	<0.026	0.033	<0.025	1.100	NA	0.290	<0.023	<0.023	<0.023	<0.023	NS	NS
Cadmium	0.49	<0.11	<0.14	<0.048	NA	<0.057	<0.27	<0.22	<0.25	<0.26	8 <sup>6</sup>	0.38 <sup>5</sup>
Chloromethane	<0.029	<0.025	<0.025	<0.028	NA	<0.025	<0.014	[0.020]	<0.014	<0.014	1.7 <sup>5</sup>	0.00046 <sup>5</sup>
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	[1.1]	14 <sup>6</sup>	2.1 <sup>5</sup>
Dibenzo(a,h)anthracene	<i>0.012</i>	0.0072D	<0.00032	<0.0016	NA	<0.00031	<0.034	<0.034	<0.034	<0.034	0.0088 <sup>4</sup>	38 <sup>4</sup>
DRO	<b>23,000</b>	<b>2,600</b>	<10	<b>980</b>	NA	<b>490</b>	28	<1.3	<1.3	<1.3	100 <sup>5</sup>	100 <sup>5</sup>
Ethylbenzene	<0.024	<0.025	<0.025	0.071	0.122 <sup>*</sup>	<0.025	<0.022	<0.022	<0.022	<0.022	5.7 <sup>5</sup>	2,900 <sup>6</sup>
Fluoranthene	0.010	0.210D	<0.00036	0.046	NA	0.0043	<0.043	<0.043	<0.043	<0.043	600 <sup>4</sup>	500 <sup>4</sup>
Fluorene	<0.010	0.160D	<0.0010	<0.0050	NA	0.093	<0.042	<0.042	<0.042	<0.042	600 <sup>4</sup>	100 <sup>4</sup>
GRO	NA	46	<2.3	<b>102</b>	NA	39	<1.0	<1.0	<1.0	<1.0	100 <sup>6</sup>	100 <sup>6</sup>
Indeno(1,2,3-cd)pyrene	<0.0068	0.061D	<0.00040	<0.0020	NA	<0.00040	<0.036	<0.036	<0.036	<0.036	0.088 <sup>4</sup>	680 <sup>4</sup>
Lead	<b>147.6</b>	0.61	0.75	0.499	NA	0.464	<4.9	<4.0	<4.6	<4.7	50 <sup>6</sup>	14 <sup>5</sup>
Methylene Chloride	<0.037	<i>0.054</i>	<i>0.042</i>	<i>0.120</i>	NA	<i>0.074</i>	<0.016	<0.016	<0.016	<0.016	11 <sup>5</sup>	0.0012 <sup>5</sup>
1-Methylnaphthalene	<0.0043	<0.038D	<0.0086	<0.042	NA	0.048	<0.043	<0.043	<0.043	<0.043	1,100 <sup>4</sup>	23 <sup>4</sup>
2-Methylnaphthalene	<0.0035	<0.011D	<0.0024	<0.012	NA	0.110	<0.045	<0.045	<0.045	<0.045	600 <sup>4</sup>	20 <sup>4</sup>
MTBE	<0.022	<0.025	<0.025	<0.025	<0.001 <sup>*</sup>	0.00240 <sup>*</sup>	<0.021	<0.021	<0.021	<0.021	39 <sup>5</sup>	0.0027 <sup>5</sup>
Naphthalene <sup>7</sup>	0.760	0.190	<0.0041	<b>4.600</b>	NA	<b>1.100</b>	<0.043	<0.043	<0.043	<0.043	20 <sup>4</sup>	0.4 <sup>4</sup>
Phenanthrene	<0.098	0.120D	0.00037	0.180	NA	0.055	<0.042	<0.042	<0.042	<0.042	18 <sup>4</sup>	1.8 <sup>4</sup>
n-Propylbenzene	<0.026	<0.025	<0.025	0.580	NA	0.120	<0.024	<0.024	<0.024	<0.024	NS	NS
Pyrene	0.021	0.150D	<0.00029	0.180	NA	0.0030	<0.039	<0.039	<0.039	<0.039	500 <sup>4</sup>	8,700 <sup>4</sup>
Styrene	NA	<0.025	<0.025	<b>0.800</b>	NA	<b>0.170</b>	<0.017	<0.017	<0.017	<0.017	6,500 <sup>5</sup>	0.12 <sup>5</sup>
Toluene	<0.020	<0.025	<0.025	0.0813 <sup>*</sup>	0.0581 <sup>*</sup>	0.0963 <sup>*</sup>	<0.020	<0.020	<0.020	<0.020	5,000 <sup>5</sup>	1,500 <sup>6</sup>
Trichlorofluoromethane	<0.015	<0.025	<0.025	0.033	NA	0.065	<0.020	<0.020	<0.020	<0.020	800 <sup>5</sup>	0.84 <sup>5</sup>
1,2,4-Trimethylbenzene	<0.026	<i>0.077</i>	<0.025	<b>2.100</b>	0.141 <sup>*</sup>	<b>0.570</b>	<0.023	<0.023	<0.023	<0.023	67 <sup>5</sup>	0.024 <sup>5</sup>
1,3,5-Trimethylbenzene	<0.022	<0.025	<0.025	<0.025	<i>0.216</i> <sup>*</sup>	<i>0.0393</i> <sup>*</sup>	<0.021	<0.021	<0.021	<0.021	47 <sup>5</sup>	0.02 <sup>5</sup>
m&p-Xylene	<0.025	<0.025	<0.025	0.0157 <sup>*</sup>	0.0575 <sup>*</sup>	<0.025	<0.046	<0.046	<0.046	<0.046	600 <sup>5</sup>	4.100 <sup>6</sup>
o-Xylene	<0.032 <sup>8</sup>	<0.025	<0.025	0.170	0.344 <sup>*</sup>	0.036	<0.018	<0.018	<0.018	<0.018	5,300 <sup>5</sup>	

<sup>1</sup> S-1 = Sample collected under the direction of Kurt Brownell at 42 inches below land surface at the end of the sump drain pipe on the south side of the building.

<sup>2</sup> Unidentified compounds detected within quantitation window for field analyses.

<sup>3</sup> SSL=Soil Screening Level; RCL=Residual Contaminant Level.

<sup>4</sup> Soil Cleanup Levels for PAHs Interim Guidance, Wisconsin Department of Natural Resources, Publication RR-519-97, April 1997.

<sup>5</sup> EPA Region 9 Preliminary Remediation Goals (PRGs). For protection of groundwater, the lowest concentration for the chemical category or between the Risk-based and MCL-based values was used.

<sup>6</sup> NR 720.

<sup>7</sup> From SW 846 8310 or 8270 analysis.

<sup>8</sup> Total for ortho-xylene and styrene.

NA= Not Analyzed.

NS= No Standard.

[ ] Reported between the LOD and the LOQ.

**2182-01-10:** This soil sample was collected from former Building 2182, at the first boring location (01), and was collected from 8-10 feet below grade.

\* Field Analysis.

*ITALIC* Exceeds Groundwater Protection Level. **Applied only to samples collected below the direct contact zone, i.e. at depths greater than 4 feet below land surface.**

**BOLD/ITALIC** Exceeds Non-industrial direct contact level. **Applied only to samples collected between land surface and 4 feet below land surface.**

D - Concentration determined from diluted analysis.

# EXHIBIT A

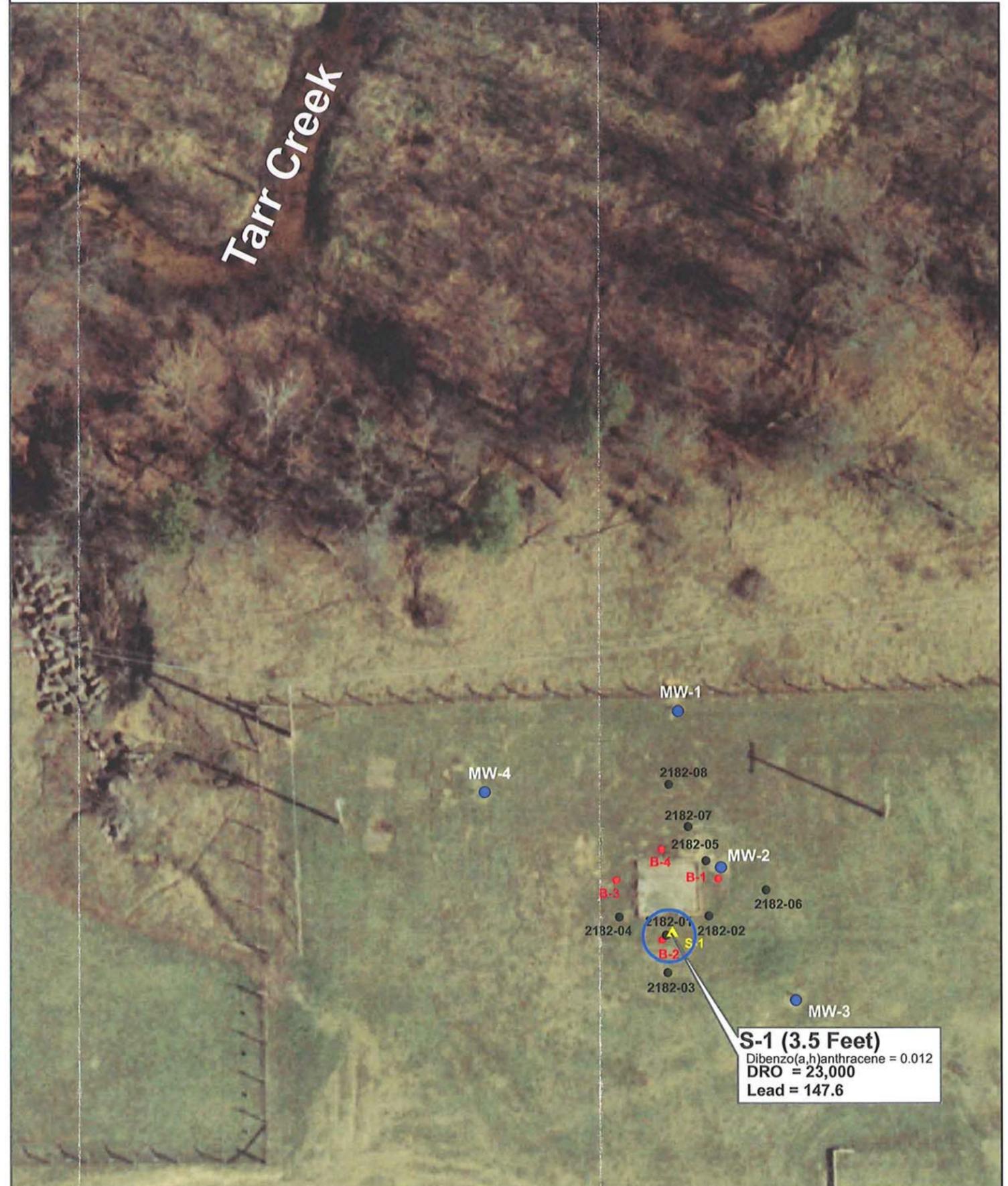
## ANALYTES DETECTED IN SOIL EXCEEDING DIRECT CONTACT CONCENTRATIONS -- FORMER FORT MCCOY BUILDING 2182 BRRTS NO. 02-42-198299

### NOTES:

- 1) ALL CONCENTRATIONS IN MG/KG.
- 2) NR 720 RCL EXCEEDENCES ARE SHOWN IN BOLD.

- Monitoring Wells
- 1996 Borings
- 2006 Borings
- ▲ 1995 Boring
- Cap Area

0 30 60 Feet







## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

West Central Region Headquarters  
1300 W. Clairemont Avenue  
PO Box 4001  
Eau Claire, Wisconsin 54702-4001  
Telephone 715-839-3700  
FAX 715-839-6076  
TTY Access via relay - 711

November 12, 2010

Mr. Alan L. Balliett  
Environmental Branch Chief  
Fort McCoy  
2171 South 8<sup>th</sup> Avenue  
Fort McCoy, WI 54656

Subject: Conditional Closure Decision,  
With Requirements to Achieve Final Closure  
Fort McCoy Flammable Storage Bldg. 2182  
2182 South 8<sup>th</sup> Avenue, Fort McCoy, WI 54656  
WDNR BRRTS Activity # 02-42-198299

Dear Mr. Balliett:

On November 11, 2010, the Department of Natural Resources West Central Region (WCR) Closure Committee reviewed your request for closure of the case described above. The WCR 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 contamination on the site in the vicinity of a flammable storage building that was formerly located on the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

### **MONITORING WELL ABANDONMENT**

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me, Mae Willkom, on Form 3300-005, found at <http://dnr.wi.gov/org/water/dwg/forms/3300005.pdf> or provided by the Department of Natural Resources.

### **PURGE WATER, WASTE AND SOIL PILE REMOVAL**

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

Mr. Alan L. Balliett  
Fort McCoy Flamm Stor Bldg 2182  
November 12, 2010  
Page 2

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's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

### **CONTINUING OBLIGATIONS AND RESPONSIBILITIES**

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations. The soil cover that currently exists over portions of the site will be required to be maintained in compliance with a maintenance plan. In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspection will be required to be kept on site.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 839-3748.

Sincerely,



Mae E. Willkom  
Hydrogeologist  
Remediation & Redevelopment Program

cc: Craig Bartholomew, 2171 South 8<sup>th</sup> Ave., Fort McCoy, WI 54656

OPINION  
OF THE ATTORNEY GENERAL  
THAT THE UNITED STATES OF AMERICA  
IS IN POSSESSION UNDER A CLEAR AND  
COMPLETE TITLE OF CERTAIN LAND SITUATED  
IN THE COUNTY OF MONROE, STATE OF WISCONSIN,  
DESIGNATED CAMP MC COY

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DEPARTMENT OF JUSTICE

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WHEREAS, Section 1.02, Chapter 1, Title 1, Wisconsin Statutes, 1949, provides that:

"Subject to the conditions mentioned in section 1.03 the legislature hereby consents to the acquisitions heretofore effected and hereafter to be effected by the United States, by gift, purchase or condemnation proceedings, of the title to places or tracts of land within the state; and, subject to said conditions, the state hereby grants, cedes and conforms to the United States exclusive jurisdiction over all such places and tracts. Such acquisitions are limited to the following purposes:

(1) To sites for the erection of forts, magazines, arsenals, dockyards, custom houses, courthouses, post offices, or other public buildings or for any purpose whatsoever contemplated by the seventeenth clause of section eight of article one of the constitution of the United States.

(2) To a tract of forty thousand acres of land in township 17 and 18 north, ranges 2 and 3 west, near Sparta, in Monroe County, to be used for military purposes as a target and maneuver range and such other purposes as the war department may deem necessary and proper.

(3) To erect thereon dams, abutments, locks, lockkeepers' dwellings, chutes, or other structures necessary or desirable in improving the navigation of the rivers or other waters within the borders of this state."; and

WHEREAS, Section 1.03, Chapter 1, Title 1, Wisconsin Statutes, 1949, provides that:

"The conditions mentioned in section 1.02 are the following conditions precedent:

(1) That an application setting forth an exact description of the place or tract so acquired shall be made by an authorized officer of the United States to the governor, accompanied by a plat thereof, and by proof that all conveyances and a copy of the record of all judicial proceedings necessary to the acquisition of an unincumbered title by the United States have been recorded in the office of the register of deeds of each county in which such place or tract may be situated in whole or in part.

(2) That the ceded jurisdiction shall not vest in the United States until they shall have complied with all the requirements on their part of sections 1.02 and 1.03, and shall continue so long only as the place or tract shall remain the property of the United States.

(3) That the state shall forever retain complete jurisdiction over every such place or tract to the extent that all legal and military process issued under the authority of the state may be served anywhere thereon, or in any building situate in whole or in part thereon." and

WHEREAS, pursuant to said Section 1.02 the United States of America, in my opinion acquired fee simple title by purchase and condemnation proceedings to a tract of land in Townships 17, 18, and 19 North, Ranges 2 and 3 West, in Monroe County, Wisconsin; and

WHEREAS, pursuant to said Section 1.03 an exact description of the area so acquired containing 47,444.88 acres of land, more or less, and comprising a portion of the Camp McCoy military reservation, and accompanied by a plat thereof, and copies of deeds and judgments on declaration of taking certified by the Register of Deeds in the County of Monroe, in which said land is situated in whole, was submitted to the Governor of the State of Wisconsin under date of March 6, 1952.

NOW THEREFORE, it is my opinion:

1. That the United States of America is in possession of the lands and premises hereinafter particularly described for certain works or purposes provided for in the aforementioned Section 1.02 of Chapter 1, Title 1, particularly for use as a target and maneuver range and for construction of needful buildings and structures for use in connection with a military reservation officially designated as Camp McCoy, being 47,444.88 acres of land, more or less, and that such possession is under a clear and complete fee simple title, subject to existing easements for public roads and highways, public utilities, railroads and pipelines; and
2. That the land and premises that have been acquired by the United States of America for the purposes above stated are situated in the County of Monroe, State of Wisconsin, and more particularly described as follows:

All that part of Townships Seventeen (17), Eighteen (18) and Nineteen (19) North, Ranges Two (2) and Three (3) West, Fourth Principal Meridian, Monroe County, Wisconsin, more particularly described as follows:

Beginning at a point, said point being the Section corner common to Sections Twenty-seven (27), Twenty-eight (28), Thirty-three (33) and Thirty-four (34), Twp. Eighteen (18) North, Range Three (3) West; thence North along the West line of said Section Twenty-seven (27) and along the West line of Section Twenty-two (22), Twp. Eighteen (18) North, Range Three (3) West to a point in the South Quarter Quarter line of Section Twenty-one (21), Twp. Eighteen (18) North, Range Three (3) West; thence West along said Quarter Quarter line to a point in the East Quarter Quarter line of said Section Twenty-one (21); thence North along said Quarter Quarter line to a point in the East and West center line

SECTION 15, TWP. 19N., R. 3W., S. 15N. OF THE 1836  
TOWNSHIP AND RANGE LINES AS SHOWN ON THE ORIGINAL  
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PLAT OF SAID TOWNSHIP AND RANGE LINES AS SHOWN ON THE ORIGINAL  
PLAT OF SAID TOWNSHIP AND RANGE LINES AS SHOWN ON THE ORIGINAL

of said Section Twenty-one (21); thence East along said center line to a point in the East line of said Section Twenty-one (21); thence North along said East line and the East line of Section Sixteen (16), Twp. Eighteen (18) North, Range Three (3) West to a point in the East and West center line of said Section Sixteen (16); thence West along said center line to a point in the East Quarter Quarter line of said Section Sixteen (16); thence North along said East Quarter Quarter line and the East Quarter Quarter line of Section Nine (9), Twp. Eighteen (18) North, Range Three (3) West to a point in the South Quarter Quarter line of said Section Nine (9); thence East along said Quarter Quarter line to a point in the West line of said Section Nine (9); thence North along said West line and the West line of Section Four (4), Twp. Eighteen (18) North, Range Three (3) West, and the West lines of Sections Thirty-four (34) and Twenty-seven (27), Twp. Nineteen (19) North, Range Three (3) West to the Southeast corner of Section Twenty-one (21), Twp. Nineteen (19) North, Range Three (3) West; thence West along the South line of said Section Twenty-one (21) to the East Quarter Quarter line of said Section Twenty-one (21); thence North along said East Quarter Quarter line to a point in the North line of said Section Twenty-one (21); thence East along said North line to the Northeast corner of said Section Twenty-one (21); thence North along the West Section lines of Sections Fifteen (15) and Ten (10), Twp. Nineteen (19) North, Range Three (3) West to the Northwest corner of said Section Ten (10); thence East along the North lines of said Section Ten (10) and Section Eleven (11), Twp. Nineteen (19) North, Range Three (3) West to the West Quarter Quarter line of said Section Eleven (11); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Eleven (11); thence East along said center line to a point in the North and South center line of said Section Eleven (11); thence South along said center line to a point in the South line of said Section Eleven (11); thence East along said Section line and the South Section line of Section Twelve (12), Twp. Nineteen (19) North, Range Three (3) West, to the North and South center line of said Section Twelve (12); thence North along said center line to a point in the East and West center line of said Section Twelve (12); thence East along said center line to a point in the West line of said Section Twelve (12); thence North along said West line and the West line of Section Six (6), Twp. Nineteen (19) North, Range Three (3) West, to Northwest corner of said Section Six (6); thence East along the North lines of said Section Six (6) and Sections Five (5) and Four (4), Twp. Nineteen (19) North, Range Two (2) West to the Northeast corner of said Section Four (4); thence South along the East lines of said Section Four (4) and Section Nine (9), Twp. Nineteen (19) North, Range Two (2) West, to the East and West center line of said Section Nine (9); thence West along said center line to a point in the East Quarter Quarter line of said Section Nine (9); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Nine (9); thence East along said Quarter Quarter line to a point in the East line of said Section Nine (9); thence South along said East line and the East line of Section Sixteen (16), Township Nineteen (19) North, Range Two (2) West, to the East and West center line of Section Fifteen (15), Twp. Nineteen (19) North, Range Two (2) West; thence East along said center line to a point in the West Quarter Quarter line of said Section Fifteen (15); thence South along said Quarter Quarter line to a point in the South line of said Section Fifteen (15); thence West

along said South line to the Northeast corner of Section Twenty-one (21), Twp. Nineteen (19) North, Range Two (2) West; thence South along the East lines of said Section Twenty-one (21) and Section Twenty-eight (28), Twp. Nineteen (19) North, Range Two (2) West to the East and West center line of said Section Twenty-eight (28); thence West along said center line to a point in the East Quarter Quarter line of said Section Twenty-eight (28); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty-eight (28); thence West along said Quarter Quarter line to a point in the North and South center line of said Section Twenty-eight (28); thence South along said center line and the North and South center line of Section Thirty-Three (33), Township Nineteen (19) North, Range Two (2) West to a point in the North quarter quarter line of said Section Thirty-Three (33); thence East along said quarter quarter line to the East line of the West twenty-two (22) acres of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of said Section Thirty-Three (33); thence south along said East line to a point in the East and West center line of said Section Thirty-Three (33); thence East along said center line to a point in the East line of said Section Thirty-Three (33); thence South along said East line to the South quarter quarter line of said Section Thirty-Three (33); thence West six (6) rods along said quarter quarter line to a point on a line lying six (6) rods West of and parallel to said East line of Section Thirty-Three (33); thence South along said line to a point on the Northerly line of a private road known as Franklin Road; thence northwesterly along said Northerly line of Franklin Road to the point of intersection of said Northerly line with the Southerly line of the highway which runs through the Northeast Quarter (NE $\frac{1}{4}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of said Section Thirty-Three (33); thence Southwesterly along said Southerly line of said highway to the intersection of said Southerly line with the Southerly line of aforesaid Franklin Road; thence Southeasterly along said Southerly line of Franklin Road to a point on a line lying six (6) rods West of and parallel to the East line of said Section Thirty-Three (33); thence South along said line to a point which is forty (40) rods North of the South line of said Section Thirty-Three (33); thence East six (6) rods to a point on the East line of said Section Thirty-Three (33); thence South along said East line to the Northeast corner of Section Four (4), Township Eighteen (18) North, Range Two (2) West; thence continuing South along the East line of said Section Four (4) to the North quarter quarter line of said Section Four (4); thence West along said quarter quarter line to a point on the North and South center line of said Section Four (4); thence South along said center line to a point in the North line of Section Nine (9), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the West quarter quarter line of said Section Nine (9); thence South along said quarter quarter line to a point in the North quarter quarter line of said Section Nine (9); thence East along said quarter quarter line to a point in the north and south center line of said Section Nine (9); thence South along said center line to a point in the North line of Section Sixteen (16), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the West quarter quarter line of said Section Sixteen (16); thence South along said quarter quarter line and the West quarter quarter line of Section Twenty-One (21), Township Eighteen (18) North, Range Two (2) West to a point in the North line of Section Twenty-Eight (28), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the Northwest corner of said Section Twenty-Eight (28); thence South along the West line of said Section Twenty-Eight (28) to the North quarter quarter line of Section Twenty-Nine (29), Township Eighteen (18) North, Range

Two (2) West; thence West one (1) rod along said quarter quarter line to a point on a line lying one (1) rod West of and parallel to the East line of said Section Twenty-Nine (29); thence South along said line to the East and West center line of said Section Twenty-Nine (29); thence West along said center line and the East and West center lines of Section Thirty (30), Township Eighteen (18) North, Range Two (2) East, and Section Twenty-Five (25), Township Eighteen (18) North, Range Three (3) West to a point on the East line of Section Twenty-Six (26), Township Eighteen (18) North, Range Three (3) West; thence South along said East line to the South quarter quarter line of said Section Twenty-Six (26); thence West along said quarter quarter line to a point on the North and South center line of said Section Twenty-Six (26); thence South along said center line and the North and South center line of Section Thirty-Five (35), Township Eighteen (18) North, Range Three (3) West to a point on the East and West center line of said Section Thirty-Five (35); thence West along said center line to a point on the West quarter quarter line of said Section Thirty-Five (35); thence South along said quarter quarter line to a point in the Southerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company; thence in a Southwesterly direction, three thousand and ten (3,010) feet, more or less, along said Southerly right-of-way line through Sections Thirty-Five (35) and Thirty-Four (34), Township Eighteen (18) North, Range Three (3) West to a point in the South line of said Section Thirty-Four (34); thence West one thousand three hundred twenty (1,320) feet, more or less, along said South line, crossing the rights-of-way of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and the Chicago and North-Western Railway Company, to a point in the North and South Center line of Section Three (3), Township Seventeen (17) North, Range Three (3) West; thence South seven hundred twenty-two (722) feet, more or less, along said center line, crossing the rights-of-way of said railway companies to a point in the aforesaid Southerly right-of-way line; thence in a Southwesterly direction along said Southerly right-of-way line to a point in the West line of said Section Three (3); thence North along said West line and the West line of Section Thirty-Four (34), Twp. Eighteen (18) North, Range Three (3) West to the South Quarter Quarter line of said Section Thirty-Four (34); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Thirty-four (34); thence North along said center line to a point in the North Quarter Quarter line of said Section Thirty-four (34); thence West along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Thirty-four (34); thence North along said Quarter Quarter line to a point in the North line of said Section Thirty-four (34); thence West along said North line to the point of beginning.

Excepting from the above described parcel the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of Section Six (6), Township Nineteen (19) North, Range Two (2) West; the rights-of-way of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and the Chicago and Northwestern Railway Company; and the following described parcel:

Beginning at the Southeast corner of the Southeast Quarter (SE $\frac{1}{4}$ ) of the Northeast Quarter (NE $\frac{1}{4}$ ) of Section Twenty-seven (27), Township Eighteen (18) North, Range Three (3) West; thence West Ten (10) rods along the East and West center line of said Section Twenty-seven (27); thence North Ten (10) rods; thence East Ten (10) rods; thence South Ten (10) rods, to the point of beginning.

Also, beginning at a point, said point being the Section corner common to Sections Three (3), Four (4), Nine (9) and Ten (10), Township Eighteen (18) North, Range Two (2) West; thence East along the North line of said Section Ten (10) to the East Quarter Quarter line of said Section Ten (10); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Ten (10); thence West along said center line to a point in the West line of said Section Ten (10); thence North along said West line to the North Quarter Quarter line of aforesaid Section Nine (9); thence West along said Quarter Quarter line to a point in the East Quarter Quarter line of said Section Nine (9); thence North along said Quarter Quarter line to a point in the North line of said Section Nine (9); thence East along said North line to the point of beginning.

Also, beginning at a point, said point being the Section corner common to Sections Fifteen (15), Sixteen (16), Twenty-one (21) and Twenty-two (22), Township Eighteen (18) North, Range Two (2) West; thence West along the South line of said Section Sixteen (16) to the North and South center line of said Section Sixteen (16); thence North along said center line to a point in the east and west center line of said Section Sixteen (16); thence East along said center line to a point in the East Quarter Quarter line of said Section Sixteen (16); thence North along said Quarter Quarter line to a point in the North Quarter Quarter line of said Section Sixteen (16); thence East along said Quarter Quarter line to a point in the East line of said Section Sixteen (16); thence South along said East line to the point of beginning.

Also, beginning at the Northeast corner of the Northeast Quarter ( $NE\frac{1}{4}$ ) of the Southeast Quarter ( $SE\frac{1}{4}$ ) of Section Eighteen (18), Township Seventeen (17) North, Range Two (2) West; thence West, Fifteen (15) chains, on the Quarter line; thence South, Eight (8) chains; thence East, Fifteen (15) chains; thence North, Eight (8) chains, to the point of beginning.

Also, beginning at the Southeast corner of the Southwest Quarter ( $SW\frac{1}{4}$ ) of the Northwest Quarter ( $NW\frac{1}{4}$ ), Section Ten (10), Twp. Seventeen (17) North, Range Two (2) West; thence North along the West Quarter Quarter line of said Section Ten (10) to a point, said point being the center of the Northwest Quarter ( $NW\frac{1}{4}$ ) of said Section Ten (10); thence West, along the North Quarter Quarter line of said Section Ten (10) and the North Quarter Quarter Line of Section Nine (9), Township Seventeen (17) North, Range Two (2) West, to a point, said point being the center of the Northeast Quarter ( $NE\frac{1}{4}$ ) of said Section Nine (9); thence South, along the East Quarter Quarter line of said Section Nine (9) and the East Quarter Quarter line of Section Sixteen (16), Twp. Seventeen (17) North, Range Two (2) West, to a point in the East and West center line of said Section Sixteen (16); thence due West, along said East and West center line, to a point, said point being the center of said Section Sixteen (16); thence due North, Nine Hundred Ninety (990) feet, more or less, along the center line of said Section Sixteen (16), to a point in the South line of the North One Hundred (100) acres of the Northwest Quarter ( $NW\frac{1}{4}$ ) of said Section Sixteen (16); thence due West, along said South line of said North One Hundred (100) acres, to a point in the West line of said Section Sixteen (16); thence due North, along said West line, to a point in the North Quarter Quarter line of Section Seventeen (17), Township Seventeen (17) North, Range Two (2) West; thence due West, along said North Quarter Quarter line, to a point in a North and South

line drawn parallel to and Sixty-four (64) rods East of the East Quarter Quarter line of said Section Seventeen (17); thence due South, Twenty (20) rods, along said North and South line, to a point; thence due West, Sixty-four (64) rods, to a point in the East Quarter Quarter line of said Section Seventeen (17); thence due South, along said East Quarter Quarter line to a point in the East and West center line of said Section Seventeen (17); thence due East, along said East and West center line, to a point in the East line of said Section Seventeen (17); thence due South, along said East line, to a point in the South Quarter Quarter line of said Section Seventeen (17); thence due West, along said South Quarter Quarter line and the South Quarter Quarter line of Section Eighteen (18), Twp. Seventeen (17) North, Range Two (2) West, and the South Quarter Quarter line of Section Thirteen (13), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Thirteen (13); thence due North, along said North and South center line, to a point, said point being the center of said Section Thirteen (13); thence due West, along the East and West center line of said Section Thirteen (13) to a point in the West Quarter Quarter line of said Section Thirteen (13); thence due North, along said West Quarter Quarter line, to a point in the North line of said Section Thirteen (13); thence due West, along said North line and the North line of Section Fourteen (14), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Fourteen (14); thence due South, One Thousand Three Hundred Twenty (1,320) feet, more or less, along said North and South center line, to a point in the North side of road running through said Section Fourteen (14); thence Northwesterly, Two Thousand Nine Hundred Fifty (2,950) feet, more or less, along the Northerly side of said road, to a point, said point being the Northwest corner of said Section Fourteen (14); thence due West, along the South line of Section Ten (10), Twp. Seventeen (17) North, Range Three (3) West, to a point in the West Quarter Quarter line of said Section Ten (10); thence due North, along said West Quarter Quarter line, to a point, said point being the center of the Southwest Quarter ( $SW\frac{1}{4}$ ) of said Section Ten (10); thence due West, along the South Quarter Quarter line of said Section Ten (10), to a point in the west line of said Section Ten (10); thence due North, along said West line, to a point in the North Quarter Quarter line of Section Nine (9), Twp. Seventeen (17) North, Range Three (3) West; thence due West, along said North Quarter Quarter line, to a point, said point being the center of the Northeast Quarter ( $NE\frac{1}{4}$ ) of said Section Nine (9); thence due North, along the East Quarter Quarter line of said Section Nine (9), to a point in the North line of said Section Nine (9); thence West, along said North line, to a point, said point being the intersection of the North and South center line and the South line of Section Four (4), Township Seventeen (17) North, Range Three (3) West; thence in a Southwesterly direction along said Southerly railroad right-of-way line across said Section Nine (9) and Section Eight (8), Township Seventeen (17) North, Range Three (3) West, to a point on the North line of Section Seventeen (17), Twp. Seventeen (17) North, Range Three (3) West; thence East along said North line to the Northeast corner of said Section Seventeen (17); thence South along the East line of said Section Seventeen (17) to the East and West center line of said Section Seventeen (17); thence West along said center line to a point in the North and South center line of said Section Seventeen (17); thence South along said center line to a point on the North line of Section Twenty (20), Twp. Seventeen (17) North, Range Three (3) West; thence West along said North line to the West Quarter Quarter line of

→ - said Section Twenty (20); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty (20); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Twenty (20); thence South along said center line to a point in the North line of Section Twenty-nine (29); Twp. Seventeen (17) North, Range Three (3) West; thence West along said North line to the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Twenty-nine (29); thence East along said center line to a point in the North and South center line of said Section Twenty-nine (29); thence South along said center line to a point in the South Quarter Quarter line of said Section Twenty-nine (29); thence West along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the North line of Section Thirty-two (32), Twp. Seventeen (17) North, Range Three (3) West; thence East along said North line to the North and South center line of said Section Thirty-two (32); thence South along said center line to a point in the North Quarter Quarter line of said Section Thirty-two (32); thence East along said Quarter Quarter line to a point in the West line of Section Thirty-three (33), Twp. Seventeen (17) North, Range Three (3) West; thence North along said West line to a point, said point being Four Hundred Twelve (412) feet South of the Northwest corner of said Section Thirty-three (33); thence due East Four Hundred Fifty-two (452) feet to a point; thence South Thirty-two Degrees, Forty-five Minutes East (S 32°45' E) Four Hundred Seventy (470) feet to a point; thence continuing South Forty-five Degrees, Fifteen Minutes East (S 45°15' E) Four Hundred Twenty-eight (428) feet; thence South Fifty-three Degrees, Forty-five Minutes East (S 53°45' E) Three Hundred (300) feet; thence due East Sixty (60) feet to a point in West Quarter Quarter line, said point being One Thousand Three Hundred Four (1,304) feet South of the North line of said Section Thirty-three (33), Township Seventeen (17) North, Range Three (3) West; thence South along said Quarter Quarter line to a point in the East and West center line of said Section Thirty-three (33); thence East along said center line to a point in the North and South center line of said Section Thirty-three (33); thence South along said center line to a point in the South Quarter Quarter line of said Section Thirty-three (33); thence East along said Quarter Quarter line and the South Quarter Quarter line of Section Thirty-four (34), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Thirty-four (34); thence South along said center line to a point in the South line of said Section Thirty-four (34); thence East along said South line to the Southeast corner of said Section Thirty-four (34); thence North along the East line of said Section Thirty-four (34) to the North Quarter Quarter line of said Section Thirty-four (34); thence West along said Quarter Quarter line to a point in the North Quarter Quarter line of said Section Thirty-four (34); thence North along said Quarter Quarter line to a point in the North line of said Section Thirty-four (34); thence West along said North line to the Southeast corner of Section Twenty-eight (28), Twp. Seventeen (17) North, Range Three (3) West; thence North along the East lines of said Section Twenty-eight (28) and Section Twenty-one (21), Twp. Seventeen (17) North, Range Three (3) West, to the South Quarter Quarter line of Section Twenty-two (22), Twp. Seventeen (17) North, Range Three (3) West; thence East along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Twenty-two (22); thence North along said Quarter Quarter

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line to a point in the East and West center line of said Section Twenty-two (22); thence East along said center line to a point in the West line of Section Twenty-three (23), Twp. Seventeen (17) North, Range Three (3) West; thence South along said West line to the North line of the South Half ( $S\frac{1}{2}$ ) of the Northwest Quarter ( $NW\frac{1}{4}$ ) of the Southwest Quarter ( $SW\frac{1}{4}$ ); thence East along said North line to a point in the West Quarter Quarter line of said Section Twenty-three (23); thence South along said Quarter Quarter line to a point in the center line of Old United States Highway No. Sixteen (16), which is equal to Station 851 + 00 of Wisconsin Highway Commission Road Plans of Project Number 325-A; thence Easterly along said centerline on a curve to the left of Two Thousand Eight Hundred Sixty-four and Nine Tenths (2,864.9) feet radius, a distance of One Thousand Three Hundred Sixty-two (1,362) feet to a point, said point being the intersection of the North and South center line of said Section Twenty-three (23) with the center line of aforesaid highway, which is equal to Station 837 + 38 of said highway plans; thence East along South Quarter Quarter line of Section Twenty-three (23) and the South Quarter Quarter line of Section Twenty-four (24), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Twenty-four (24); thence North along said center line to a point on a line lying One Hundred Twenty-six (126) feet Northerly of and parallel to the center line of New United States Highway No. Sixteen (16) as now located; thence Easterly along said line to a point in the East Quarter Quarter line of said Section Twenty-four (24); thence South along said Quarter Quarter line to a point on the North right-of-way line of New United States Highway No. Sixteen (16); thence in a Southeasterly direction along said North right-of-way line to a point in the West line of Section Nineteen (19), Township Seventeen (17) North, Range Two (2) West; thence South along said West line to the North Quarter Quarter line of said Section Nineteen (19); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Nineteen (19); thence South along said center line to a point in the North right-of-way line of Old Highway Sixteen (16); thence Northeasterly along said North right-of-way line to a point in the West line of Section Twenty (20), Township Seventeen (17) North, Range Two (2) West; thence South along said West line to the Northwest corner of Section Twenty-nine (29), Township Seventeen (17) North, Range Two (2) West; thence East along the North line of said Section Twenty-nine (29) to the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the North Quarter Quarter line and the North Quarter Quarter line of Section Twenty-eight (28), Township Seventeen (17) North, Range Two (2) West to a point in the West Quarter Quarter line of said Section Twenty-eight (28); thence North along said Quarter Quarter line to a point in the South line of Section Twenty-one (21), Township Seventeen (17) North, Range Two (2) West; thence East along said South line to the East Quarter Quarter line of said Section Twenty-one (21); thence North along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty-one (21); thence East along said Quarter Quarter line to a point in the East line of said Section Twenty-one (21); thence North along said East line and the West line of Section Fifteen (15), Township Seventeen (17) North, Range Two (2) West, to the East and West center line of said Section Fifteen (15); thence East along center line to a point in the West Quarter Quarter line of said Section Fifteen (15); thence North along said Quarter

Quarter line to a point in the North Quarter Quarter line of said Section Fifteen (15); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Fifteen (15); thence North along said center line to a point in the South line of Section Ten (10), Township Seventeen (17) North, Range Two (2) West; thence West along said South line to the Southwest corner of said Section Ten (10); thence North along the West line of said Section Ten (10) to the East and West center line of said Section Ten (10); thence East along said center line to the Southeast corner of the Southwest Quarter (SW $\frac{1}{4}$ ) of the Northwest Quarter (NW $\frac{1}{4}$ ) of said Section Ten (10), said corner being the point of beginning.

Excepting from the above described parcel the right-of-way of new U. S. Highway No. 16.

Containing within the limits above described 47,414.88 acres of land, more or less.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the

seal of the Department of Justice to be affixed this 22nd

day of September, A.D., 1952.

The seal of the Department of Justice is a circular emblem with a scalloped border. It features a central figure, likely a personification of Justice, holding a scale and a sword. The text around the inner border of the seal is partially legible, including "DEPARTMENT OF JUSTICE" and "UNITED STATES OF AMERICA".  
*James P. McManey*  
Attorney General of the United States



DEPARTMENT OF THE ARMY  
US ARMY INSTALLATION MANAGEMENT COMMAND  
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT MCCOY  
2171 SOUTH 8<sup>TH</sup> AVENUE  
FORT MCCOY, WI 54656-5136

September 27, 2010

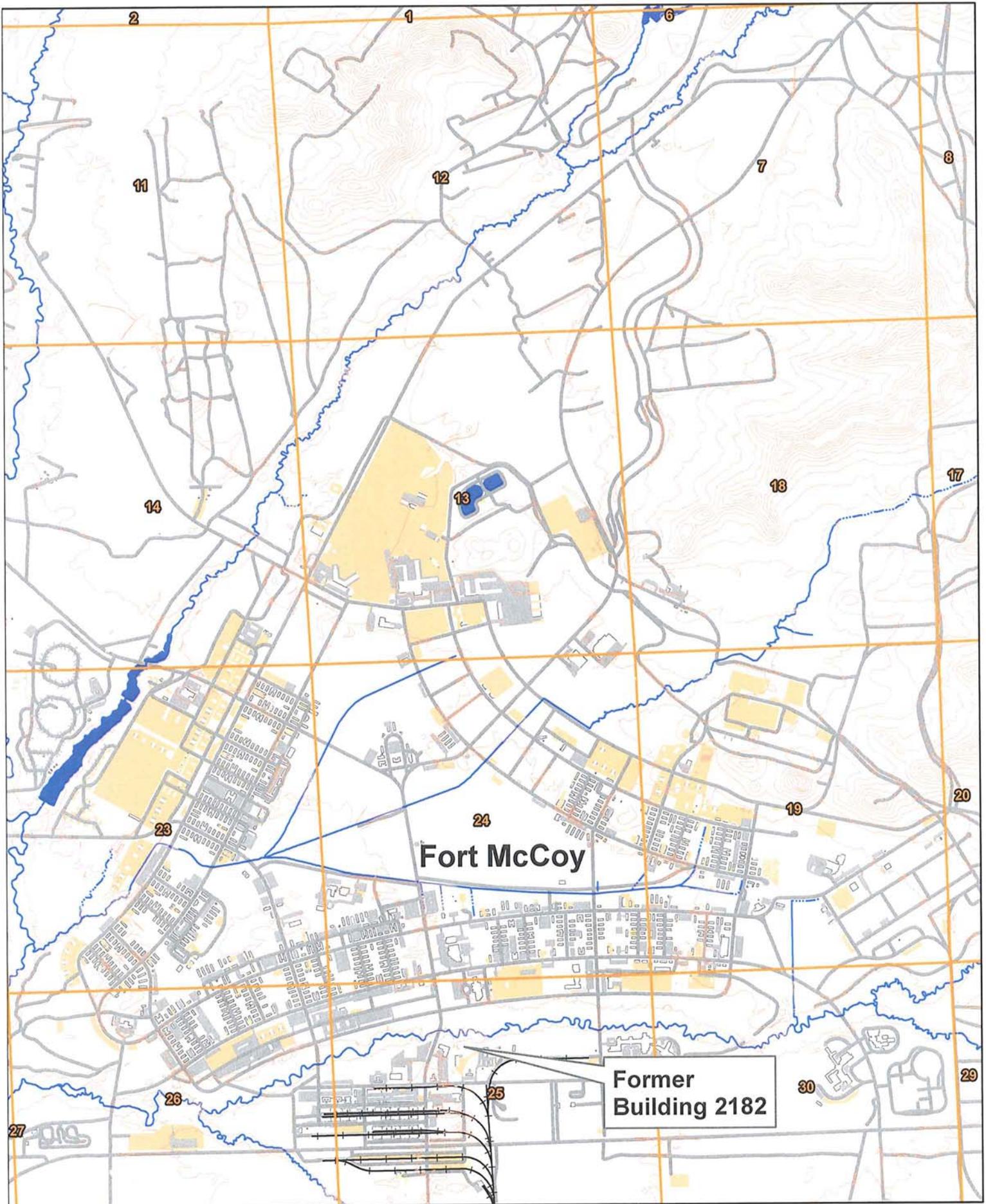
Environmental Division

Ms. Mae Willkom  
Wisconsin Dept. of Natural Resources  
1300 W Clairemont Avenue  
Eau Claire WI 54702

I, Alan L. Balliett, Chief of the Environmental Division - Fort McCoy, Wisconsin, certify that to the best of my knowledge the "Opinion of the Attorney General" submitted with this statement for Former Fort McCoy Building 2182 (BRRTS #02-42-198299) is correct.

A handwritten signature in cursive script that reads "Alan L. Balliett".

Alan L. Balliett  
Chief, Environmental Division  
Directorate of Public Works



**Fort McCoy**

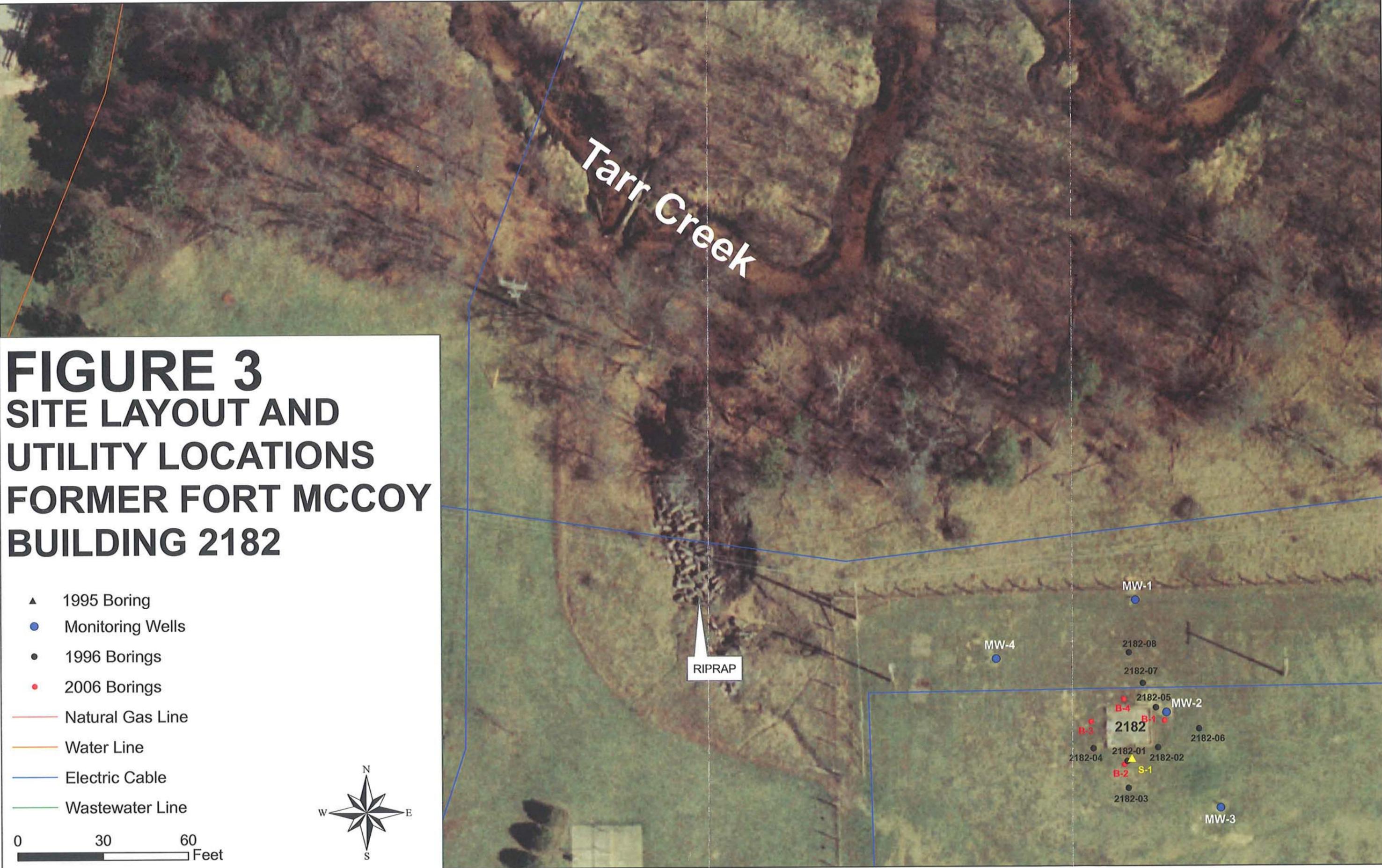
**Former Building 2182**

**Figure 1**  
**Site Location Map**  
**Former Building 2182**  
**Fort McCoy, WI**

Created By: Craig Bartholomew  
 September 2010

0 1,000 2,000 4,000 Feet  
 1 inch = 2,000 feet





**FIGURE 3**  
**SITE LAYOUT AND**  
**UTILITY LOCATIONS**  
**FORMER FORT MCCOY**  
**BUILDING 2182**

- ▲ 1995 Boring
- Monitoring Wells
- 1996 Borings
- 2006 Borings
- Natural Gas Line
- Water Line
- Electric Cable
- Wastewater Line

0 30 60 Feet



RIPRAP

MW-1

MW-4

2182-08

2182-07

2182-05

2182

2182-01

2182-03

MW-2

2182-06

2182-02

MW-3

# FIGURE 4

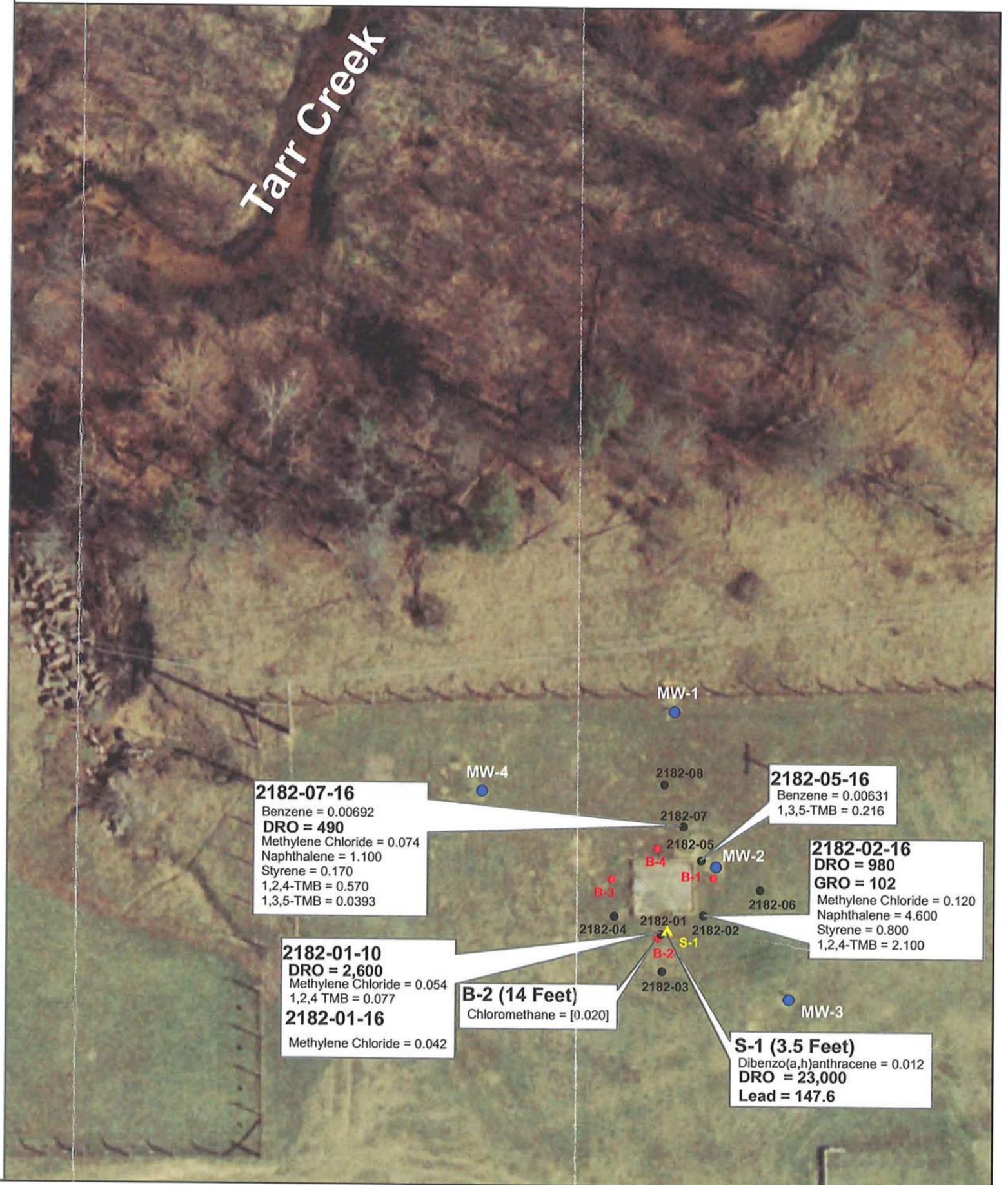
## ANALYTES DETECTED IN SOIL EXCEEDING DIRECT CONTACT OR GROUNDWATER PROTECTION CONCENTRATIONS -- FORMER FORT MCCOY BUILDING 2182 BRRTS NO. 02-42-198299

### NOTES:

- 1) ALL CONCENTRATIONS IN MG/KG.
- 2) [0.020]=CONCENTRATION BETWEEN THE LOD AND THE LOQ.
- 3) ALL SAMPLES COLLECTED WITHIN THE DIRECT CONTACT ZONE ARE COMPARED TO THE NON-INDUSTRIAL SSL/RCL. SAMPLES COLLECTED FROM GREATER THAN 4 FEET BELOW LAND SURFACE ARE COMPARED TO THE GROUNDWATER PROTECTION STANDARD (SEE TABLE 1).
- 4) NR 720 RCL EXCEEDENCES ARE SHOWN IN BOLD.

- Monitoring Wells
- 1996 Borings
- 2006 Borings
- ▲ 1995 Boring

0 30 60 Feet



**TABLE 1  
FORMER FORT MCCOY BUILDING 2182  
SUMMARY OF DETECTED PARAMETERS IN SOIL--INVESTIGATION RESULTS  
(mg/kg)**

PARAMETER	SAMPLING POINTS										SSL/RCL <sup>3</sup> (Non-Industrial) mg/kg	Protection of Groundwater mg/kg
	S-1 <sup>1</sup> (3.5')	2182-01-10	2182-01-16	2182-02-16 <sup>2</sup>	2182-05-16 <sup>2</sup>	2182-07-16 <sup>2</sup>	B-1 (8-12')	B-2 (14')	B-3 (14-15')	B-4 (12-15')		
Date	7/19/1995	8/27/1996	8/27/1996	9/24/1996	10/7/1996	10/9/1996	10/16/2006	10/16/2006	10/17/2006	10/17/2006		
Acenaphthene	<0.0033	0.210D	<0.0060	<0.030	NA	0.053	<0.041	<0.041	<0.041	<0.041	900 <sup>4</sup>	38 <sup>4</sup>
Anthracene	<0.011	0.170D	<0.00031	0.140	NA	0.011	<0.037	<0.037	<0.037	<0.037	5,000 <sup>4</sup>	3,000 <sup>4</sup>
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	15,000 <sup>5</sup>	82 <sup>5</sup>
Benzene	<0.016	<0.025	<0.025	0.00457 <sup>*</sup>	<i>0.00631</i> <sup>*</sup>	<i>0.00692</i> <sup>*</sup>	<0.019	<0.019	<0.019	<0.019	1.1 <sup>5</sup>	0.0055 <sup>5</sup>
Benzo(a)anthracene	0.033	0.050D	<0.00016	0.0089	NA	0.00024	<0.045	<0.045	<0.045	<0.045	0.088 <sup>4</sup>	17 <sup>4</sup>
Benzo(a)pyrene	<0.0045	0.058D	<0.00012	0.00091	NA	0.00023	<0.040	<0.040	<0.040	<0.040	0.0088 <sup>4</sup>	48 <sup>4</sup>
Benzo(b)fluoranthene	0.014	0.053D	<0.00030	<0.0015	NA	0.00032	<0.040	<0.040	<0.040	<0.040	0.088 <sup>4</sup>	360 <sup>4</sup>
Benzo(k)fluoranthene	<0.0058	0.018D	<0.00017	0.00086	NA	0.00020	<0.044	<0.044	<0.044	<0.044	0.88 <sup>4</sup>	870 <sup>4</sup>
Benzo(g,h,i)perylene	<0.0040	0.050D	<0.00026	<0.0013	NA	<0.00026	<0.036	<0.036	<0.036	<0.036	1.8 <sup>4</sup>	6,800 <sup>4</sup>
n-Butylbenzene	<0.018	1.200	<0.025	4.200	NA	0.470	<0.011	<0.011	<0.011	<0.011	NS	NS
sec-Butylbenzene	<0.027	<0.025	<0.025	0.930	NA	<0.025	<0.025	<0.025	<0.025	<0.025	NS	NS
tert-Butylbenzene	<0.026	0.033	<0.025	1.100	NA	0.290	<0.023	<0.023	<0.023	<0.023	NS	NS
Cadmium	0.49	<0.11	<0.14	<0.048	NA	<0.057	<0.27	<0.22	<0.25	<0.26	8 <sup>6</sup>	0.38 <sup>5</sup>
Chloromethane	<0.029	<0.025	<0.025	<0.028	NA	<0.025	<0.014	[0.020]	<0.014	<0.014	1.7 <sup>5</sup>	0.00046 <sup>5</sup>
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	[1.1]	14 <sup>6</sup>	2.1 <sup>5</sup>
Dibenzo(a,h)anthracene	<b>0.012</b>	0.0072D	<0.00032	<0.0016	NA	<0.00031	<0.034	<0.034	<0.034	<0.034	0.0088 <sup>4</sup>	38 <sup>4</sup>
DRO	<b>23,000</b>	<b>2,600</b>	<10	<b>980</b>	NA	<b>490</b>	28	<1.3	<1.3	<1.3	100 <sup>5</sup>	100 <sup>5</sup>
Ethylbenzene	<0.024	<0.025	<0.025	0.071	0.122 <sup>*</sup>	<0.025	<0.022	<0.022	<0.022	<0.022	5.7 <sup>5</sup>	2,900 <sup>6</sup>
Fluoranthene	0.010	0.210D	<0.00036	0.046	NA	0.0043	<0.043	<0.043	<0.043	<0.043	600 <sup>4</sup>	500 <sup>4</sup>
Fluorene	<0.010	0.160D	<0.0010	<0.0050	NA	0.093	<0.042	<0.042	<0.042	<0.042	600 <sup>4</sup>	100 <sup>4</sup>
GRO	NA	46	<2.3	<b>102</b>	NA	39	<1.0	<1.0	<1.0	<1.0	100 <sup>6</sup>	100 <sup>6</sup>
Indeno(1,2,3-cd)pyrene	<0.0068	0.061D	<0.00040	<0.0020	NA	<0.00040	<0.036	<0.036	<0.036	<0.036	0.088 <sup>4</sup>	680 <sup>4</sup>
Lead	<b>147.6</b>	0.61	0.75	0.499	NA	0.464	<4.9	<4.0	<4.6	<4.7	50 <sup>6</sup>	14 <sup>5</sup>
Methylene Chloride	<0.037	<b>0.054</b>	<b>0.042</b>	<b>0.120</b>	NA	<b>0.074</b>	<0.016	<0.016	<0.016	<0.016	11 <sup>5</sup>	0.0012 <sup>5</sup>
1-Methylnaphthalene	<0.0043	<0.038D	<0.0086	<0.042	NA	0.048	<0.043	<0.043	<0.043	<0.043	1,100 <sup>4</sup>	23 <sup>4</sup>
2-Methylnaphthalene	<0.0035	<0.011D	<0.0024	<0.012	NA	0.110	<0.045	<0.045	<0.045	<0.045	600 <sup>4</sup>	20 <sup>4</sup>
MTBE	<0.022	<0.025	<0.025	<0.025	<0.001 <sup>*</sup>	0.00240 <sup>*</sup>	<0.021	<0.021	<0.021	<0.021	39 <sup>5</sup>	0.0027 <sup>5</sup>
Naphthalene <sup>7</sup>	0.760	0.190	<0.0041	<b>4.600</b>	NA	<b>1.100</b>	<0.043	<0.043	<0.043	<0.043	20 <sup>4</sup>	0.4 <sup>4</sup>
Phenanthrene	<0.098	0.120D	0.00037	0.180	NA	0.055	<0.042	<0.042	<0.042	<0.042	18 <sup>4</sup>	1.8 <sup>4</sup>
n-Propylbenzene	<0.026	<0.025	<0.025	0.580	NA	0.120	<0.024	<0.024	<0.024	<0.024	NS	NS
Pyrene	0.021	0.150D	<0.00029	0.180	NA	0.0030	<0.039	<0.039	<0.039	<0.039	500 <sup>4</sup>	8,700 <sup>4</sup>
Styrene	NA	<0.025	<0.025	<b>0.800</b>	NA	<b>0.170</b>	<0.017	<0.017	<0.017	<0.017	6,500 <sup>5</sup>	0.12 <sup>5</sup>
Toluene	<0.020	<0.025	<0.025	0.0813 <sup>*</sup>	0.0581 <sup>*</sup>	0.0963 <sup>*</sup>	<0.020	<0.020	<0.020	<0.020	5,000 <sup>5</sup>	1,500 <sup>6</sup>
Trichlorofluoromethane	<0.015	<0.025	<0.025	0.033	NA	0.065	<0.020	<0.020	<0.020	<0.020	800 <sup>5</sup>	0.84 <sup>5</sup>
1,2,4-Trimethylbenzene	<0.026	<b>0.077</b>	<0.025	<b>2.100</b>	0.141 <sup>*</sup>	<b>0.570</b>	<0.023	<0.023	<0.023	<0.023	67 <sup>5</sup>	0.024 <sup>5</sup>
1,3,5-Trimethylbenzene	<0.022	<0.025	<0.025	<0.025	<b>0.216</b> <sup>*</sup>	<b>0.0393</b> <sup>*</sup>	<0.021	<0.021	<0.021	<0.021	47 <sup>5</sup>	0.02 <sup>5</sup>
m&p-Xylene	<0.025	<0.025	<0.025	0.0157 <sup>*</sup>	0.0575 <sup>*</sup>	<0.025	<0.046	<0.046	<0.046	<0.046	600 <sup>5</sup>	4.100 <sup>6</sup>
o-Xylene	<0.032 <sup>8</sup>	<0.025	<0.025	0.170	0.344 <sup>*</sup>	0.036	<0.018	<0.018	<0.018	<0.018	5,300 <sup>5</sup>	

<sup>1</sup> S-1 = Sample collected under the direction of Kurt Brownell at 42 inches below land surface at the end of the sump drain pipe on the south side of the building.

<sup>2</sup> Unidentified compounds detected within quantitation window for field analyses.

<sup>3</sup> SSL=Soil Screening Level; RCL=Residual Contaminant Level.

<sup>4</sup> Soil Cleanup Levels for PAHs Interim Guidance, Wisconsin Department of Natural Resources, Publication RR-519-97, April 1997.

<sup>5</sup> EPA Region 9 Preliminary Remediation Goals (PRGs). For protection of groundwater, the lowest concentration for the chemical category or between the Risk-based and MCL-based values was used.

<sup>6</sup> NR 720.

<sup>7</sup> From SW 846 8310 or 8270 analysis.

<sup>8</sup> Total for ortho-xylene and styrene.

NA= Not Analyzed.

NS= No Standard.

[ ] Reported between the LOD and the LOQ.

**2182-01-10**: This soil sample was collected from former Building 2182, at the first boring location (01), and was collected from 8-10 feet below grade.

\* Field Analysis.

***ITALIC*** Exceeds Groundwater Protection Level. **Applied only to samples collected below the direct contact zone, i.e. at depths greater than 4 feet below land surface.**

***BOLD/ITALIC*** Exceeds Non-industrial direct contact level. **Applied only to samples collected between land surface and 4 feet below land surface.**

D - Concentration determined from diluted analysis.