

GIS REGISTRY

Cover Sheet

May, 2009
(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")
- Soil Contamination > *RCL or **SSRCL (232)
- Contamination in ROW
- Off-Source Contamination
(note: for list of off-source properties see "Impacted Off-Source Property")

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 or economic development corporation)

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 #: 02-41-548220 PARCEL ID #: T06 R22E S34

ACTIVITY NAME: 128th ARW, Site-Wide Arsenic Contamination WTM COORDINATES: X: 692433 Y: 276367

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.)
- 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: See "Survey" in "Attachments"**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

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

- 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: Base Location and Surrounding Area
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 Title: Base Map and ERP Site 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 #: 3 Title: Background Soil Sample Locations for Arsenic Analysis - 2006 RI

BRRTS #: 02-41-548220

ACTIVITY NAME: 128th ARW, Site-Wide Arsenic Contamination

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 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

Table #: 1; 2 **Title:** **Background Soil Sample Results for Arsenic; Sites 1, 2 & 8, 2004 SI Results for Arsenic**

- 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).

BRRTS #: 02-41-548220

ACTIVITY NAME: 128th ARW, Site-Wide Arsenic Contamination

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
FAX 414-263-8606
Telephone 414-263-8500
TTY Access via relay - 711

March 12, 2010

In Reply Refer To: FID# 241496970
County of Milwaukee
BRRS# 02-41-548220

Mr. Stanley Moore
Air National Guard – National Guard Bureau / A7OR
3500 Fetchet Ave
Andrews Air Force Base, MD 20762

Subject: Final Case Closure with Continuing Obligation, WI Air National Guard – 128th Air Refueling Wing – Site-wide Arsenic, 1919 E Grange Ave (Main Gate), Milwaukee, WI 53207

Dear Mr. Moore:

On March 11, 2010, the Wisconsin Department of Natural Resources (WDNR) reviewed your request for closure of the case described above. The WDNR reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases.

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 GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- The fence around the property must be maintained as a barrier to limit the public from accessing the contaminated soil

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

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 the information about these continuing obligations 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 are met.

Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the fence that currently exists around the property shall be maintained in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described in the GIS packet 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.

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:

- Development, construction or other changes, including zoning changes, that change the land use from military
- Disturbance or removal in whole or part of the fencing that must be maintained around the facility

Please send any written notifications in accordance with the above requirements to the Southeast Region Remediation & Redevelopment Program, to the attention of the Environmental Program Associate.

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 Andy Boettcher at (414) 263-8541.

Sincerely,



James A Schmidt
SER Remediation & Redevelopment Team Supervisor

cc: Clair Breckenridge, 128ARW/CEV, 1685 East Grange Ave, Milwaukee, WI 53207
Deborah Hines, PEER Consultants, 7325 Oak Ridge Hwy, Ste 100, Knoxville, TN 37931
Case File

COPY OF AIR NATIONAL GUARD LEASE

REFL 426 IMAG 1925

JUN 27 1968 05 53 170 A CHREC

This Indenture Made by Wisconsin State Armory Board, a corporation existing under section 21.615, Stats., located at Madison, Wisconsin, by Ralph J. Olson, Chairman, and John L. Downing, Jr., Secretary-Treasurer

grantor, of Dane County, Wisconsin, hereby conveys to The State of Wisconsin

grantee sum of One Dollar

the following tract of land in Milwaukee County, State of Wisconsin: Lands lying in the N.W. 1/4 Section 34 and the N.E. 1/4 Section 33, T 6 N, R 22 E, described as follows:

Commencing at the S.E. corner of the N.E. 1/4 Section 33, T 6 N, R 22 E, thence westerly along the South line of said 1/4 Section, 81.75 feet to a point, said point being 1,660 feet East of, measured at right angles, the centerline of Runway 1L-19R as said runway is now established and constructed at General Mitchell Field; thence northerly and parallel to the said centerline of said Runway 1L-19R to a point in the N.W. 1/4 Section 34, T 6 N, R 22 E, which point is 660 feet Southeasterly of, measured at right angles to, the centerline of Runway 7R-25L as said runway is now established and constructed at General Mitchell Field; thence Northeasterly and parallel to the said centerline of said Runway 7R-25L to a point which lies on the North Line of the N.W. 1/4 of Section 34, T 6 N, R 22 E, said point being 683.73 feet east of the N.W. corner of said 1/4 Section; thence Easterly on and along the North line of said 1/4 Section to a point which is 100 feet Westerly of the West right-of-way line of the Chicago and Northwestern Railroad, as said railroad right-of-way is laid out through the said 1/4 Section; thence Southerly and parallel to the said West right-of-way line 50 feet to a point; thence Easterly and parallel to the North line of said 1/4

In Witness Whereof, the said grantor has caused these presents to be signed by Ralph J. Olson, its Chairman, Treasurer, and countersigned by John L. Downing, Jr., its Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereto affixed, this 24th day of JUNE, A.D., 1968. This Board has no corporate seal Signed and Sealed in Presence of

REGISTRAR'S OFFICE Milwaukee County, Wis. RECORDED AT 2:16 PM JUN 27 1968 in Real 426 Image 1925-1926 Milan Patten Registrar of Deeds

WISCONSIN STATE ARMORY BOARD Corporate Name Ralph J. Olson, Chairman John L. Downing, Jr., Secretary-Treasurer

State of Wisconsin, DANE County, Personally came before me this twenty-fourth day of June, A.D., 1968. Ralph J. Olson, Chairman, and John L. Downing, Jr., Secretary-Treasurer of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Chairman and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Notary Public, Dane County, Wis. My commission expires 11/26/68 A.D., 1970

Exhibit "A"

No. _____

Wisconsin State Armory Board

To

The State of Wisconsin

CITIZAIN DEED
WARREN WOODRUFF

REGISTRAR'S OFFICE,
State of Wisconsin,

_____ County.

Received for Record this _____ day of _____

19____

at _____ o'clock _____ M., and recorded in

Vol _____ of Deeds on page _____

Register of Deeds.

WIS. STATE ARMORY Board, Deputy.

P.O. BOX 372
MADISON, WIS. 53701

(description continued from opposite side)

Section to a point which lies on the West right-of-way line of the Chicago and Northwestern Railroad; thence Southerly on and along said West right-of-way line to a point which lies on the South line of said N.W. 1/4 Section 34, T 6 N, R 22 E; thence Westerly on and along said South line of said 1/4 Section to the place of beginning, and containing 58-1/2 acres of land more or less, excepting and reserving to grantor, its successors and assigns, for the benefit of the general public at large, the right of way for the free and unobstructed passage of aircraft, by whomsoever owned or operated, in and through the air space, over, across, and above the land hereinabove described, and excepting the interest of the West Shore Pipe Line Company in the above-described premises.

Exhibit 49

CLIENT: WISCONSIN AIR NATIONAL GUARD

LEASE LAND MAP

LEASE DESCRIPTION B

A parcel of land located in the NW1/4-NW1/4 and the SW1/4-NW1/4, Section 34, T6N, R22E, Milwaukee County, Wisconsin, more fully described as follows:

Commencing at the Northwest corner of said Section 34; thence N88°54'27"E, along the north line of said NW1/4, 226.51 feet; thence S5°40'30"W, 262.95 feet to the point of beginning; thence continuing S5°40'30"W, 1130.90 feet; thence N84°19'30"W, 210.00 feet; thence N5°40'30"E, 1030.47 feet; thence N70°07'00"E, 232.78 feet to the point of beginning.

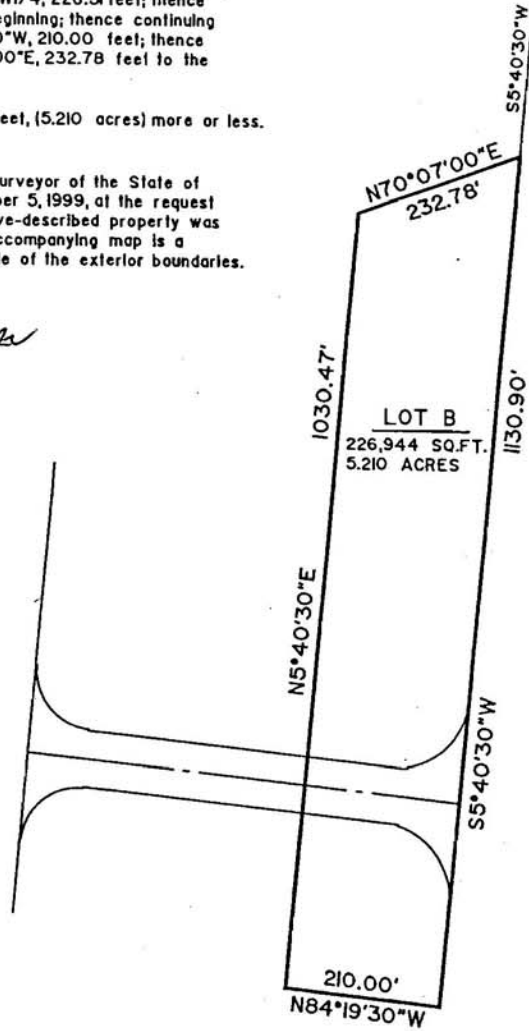
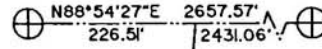
This description contains 226,944 square feet, (5.210 acres) more or less.

I, Roger D. Schneeberger, a registered land surveyor of the State of Wisconsin, do hereby certify that on November 5, 1999, at the request of the Wisconsin Air National Guard, the above-described property was surveyed under my direction and that the accompanying map is a correctly-dimensioned representation to scale of the exterior boundaries.

Roger D. Schneeberger
Roger D. Schneeberger, S-1096

NW CORNER
SECTION 34
T6N, R22E

NE 1/4 CORNER
SECTION 34
T6N, R22E



N



0 200 400



SCALE: 1" = 200'

LEGEND



ALUMINUM MONUMENT FOUND



Mead & Hunt, Inc.
6501 Watts Road, Suite 101
Madison, Wisconsin 53719-2700
Phone: 608-273-6380
Fax: 608-273-6391

Dwg. No. N 9304 S

Sheet 1 of 1

Job No. W77-20-99G

h:\survey\99\w77-99g\w772099b.dgn

3. Parcel Identification Number—from Milwaukee County—Tax Key Code is 6409999117—owner is Milwaukee County.

Geographic position data (for center of concrete apron/cap): $x = 692300.9$; $y = 276583.38$
(meters--Wisconsin Transverse Mercator 1991 coordinate system.



**DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 128th AIR REFUELING WING (ANG)**

18 August 2005

MEMORANDUM FOR : WISCONSIN DEPARTMENT OF NATURAL RESOURCES

FROM: 128 ARW/CES

SUBJECT: Status Update, Wisconsin ANG, 128th ARW Apron Project, Close-out responsible party statement

To Whom It May Concern:

We the undersigned believe that the enclosed package contains the correct legal property descriptions required to close the Wisconsin ANG, 128th ARW Apron Project.

FID: 241895500
BRRTS: 02-41-233741

The attached material contains all documented testing, deeds, and limitations associated with the contaminated site boundary. Any further questions, feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven T. Ford", written over a horizontal line.

Steven T. Ford, Lt. Col, WIANG BSC
Environmental & Bioenvironmental Engineer
414.944.8414

A handwritten signature in black ink, appearing to read "William F. Jasinski", written over a horizontal line.

William F. Jasinski, Civilian, WIANG CES
Real Property Manager
414.944.8231

CIVIL SURVEY (FOR 2006 REMEDIAL INVESTIGATION)



BORING CODE	EASTING	NORTHING	ELEVATION
SP1-01	256125.71	348855.32	680.3
SP1-02	256167.20	348882.99	680.6
SP1-03	256127.70	348925.44	680.7
SP1-04	256120.41	348887.73	680.2
BG5	256201.61	349411.56	670.7
BG4	256146.89	349419.03	670.2
BG6	256145.38	349400.07	672.9
SP8-3	256213.63	349661.4	672.4
SP8-2	256177.03	349690.95	672.3
SP8-1	256143.35	349658.67	672.4
SP8-12	256107.19	349676.53	671.3
SP8-5	256104.77	349666.90	671.1
SP8-10	256095.31	349693.33	670.8
SP8-6	256084.41	349691.15	670.7
SP8-9	256077.33	349682.32	670.9
SP8-7	256080.02	349670.95	671.0
SP8-11	256089.56	349664.16	671.1
SP8-8	256101.18	349666.45	672.0
SP8-4	256092.42	349678.74	671.0
BG14	256099.19	349762.00	669.4
BG15	256109.58	349872.87	669.3
BG8	256100.97	349677.72	671.0
BG9	256070.06	349846.66	671.6
BG10	256093.62	349742.77	674.1
BG11	256011.41	350520.98	673.3
BG3	256032.91	351245.08	668.3
BG2	256091.29	351245.19	668.9
BG1	256099.81	351201.02	670.2
BG13	256084.41	351289.04	671.1
BG12	256085.04	351182.53	671.3
BG7	256048.02	349615.89	671.1

BORING LOCATIONS AT MITCHEL FIELD, SITES 1 AND 8 MILWAUKEE, WISCONSIN

COMBINATION SCALE AND SEA LEVEL REDUCTION FACTOR: 0.99993093
 HORIZONTAL DATUM IS THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, (NORTH AMERICAN DATUM 1927)
 VERTICAL DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929
 COMPILED TO NATIONAL ACCURACY STANDARDS UTILIZING STEREO-PHOTOGRAMMETRIC METHODS.
 DATE OF PHOTOGRAPHY: MARCH 26, 1999

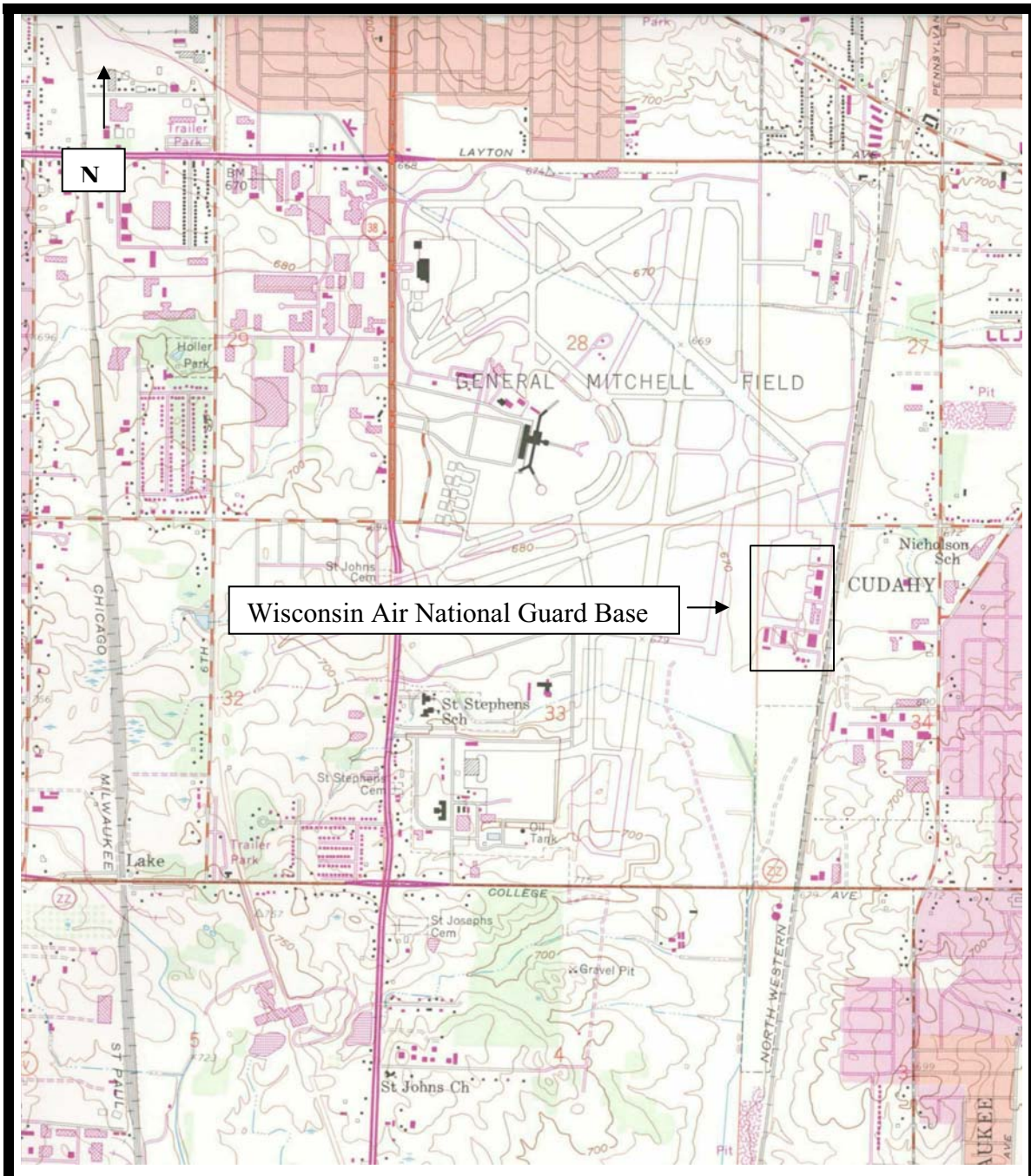
KAPUR & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 MILWAUKEE, WISCONSIN
 414.351.6668

VERIFY SCALES

0 50 100 200
 Feet

DESIGNED BY:	NO.	REVISIONS	DATE
BJT			
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
DATE:	11/5/2006		
SCALE:	1 : 2400	ACAD F:	

PROJECT NO. 07657 924
 SHEET NO. 1



SOURCE: USGS GREENDALE QUADRANGLE, WI

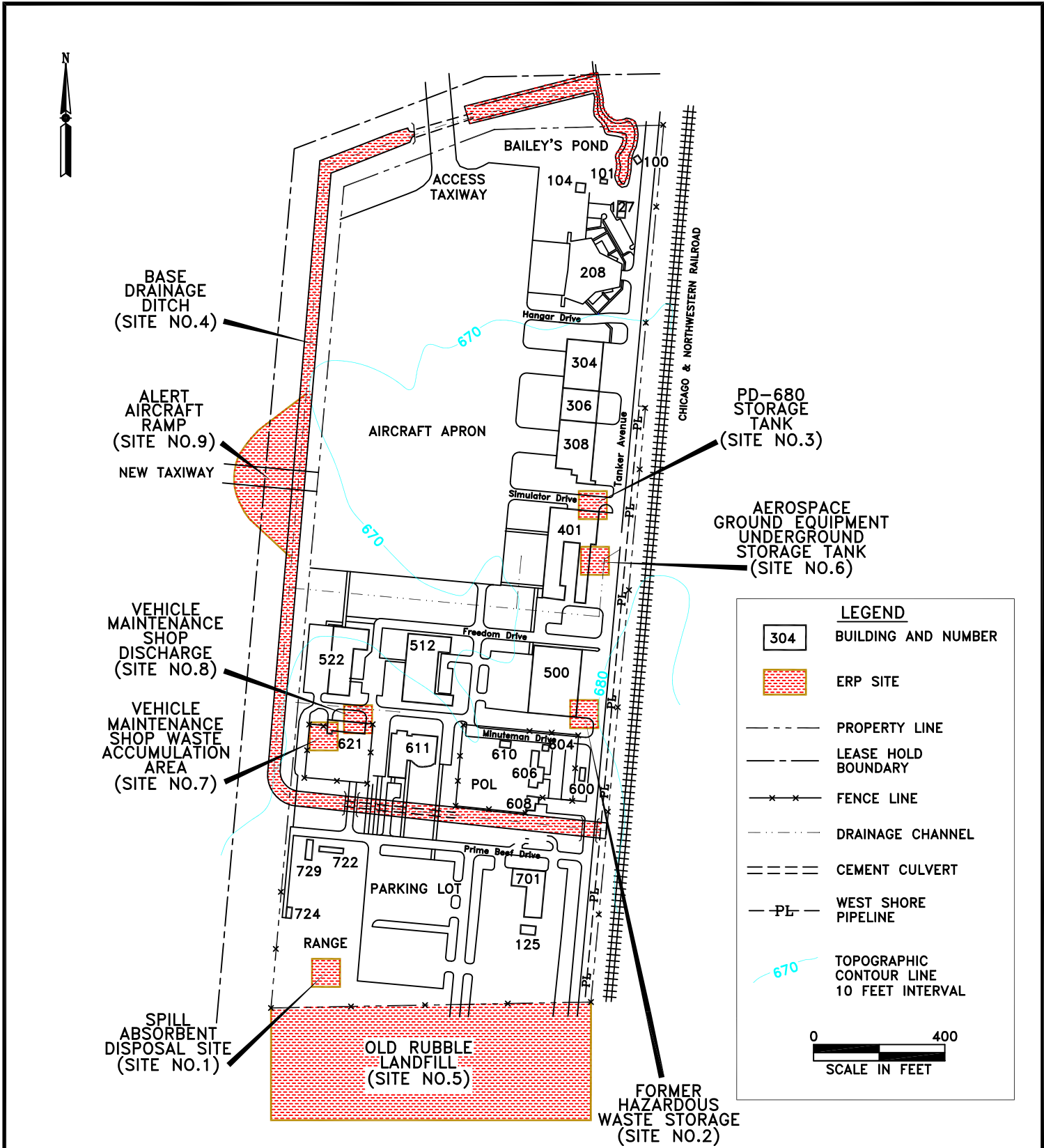
SCALE 1:24,000

FIGURE 1

**BASE LOCATION AND SURROUNDING AREA
128TH AIR REFUELING WING
BILLY MITCHELL FIELD
MILWAUKEE, WISCONSIN**



PEER
CONSULTANTS, P.C.
EST. 1978



SOURCE: DONOHUE ENGINEERS & ARCHITECTS, 1992. MODIFIED BY OPTECH, 1996.
 MODIFIED BY PEER CONSULTANTS, 2003, 2004, 2008, 2009

FIGURE
2

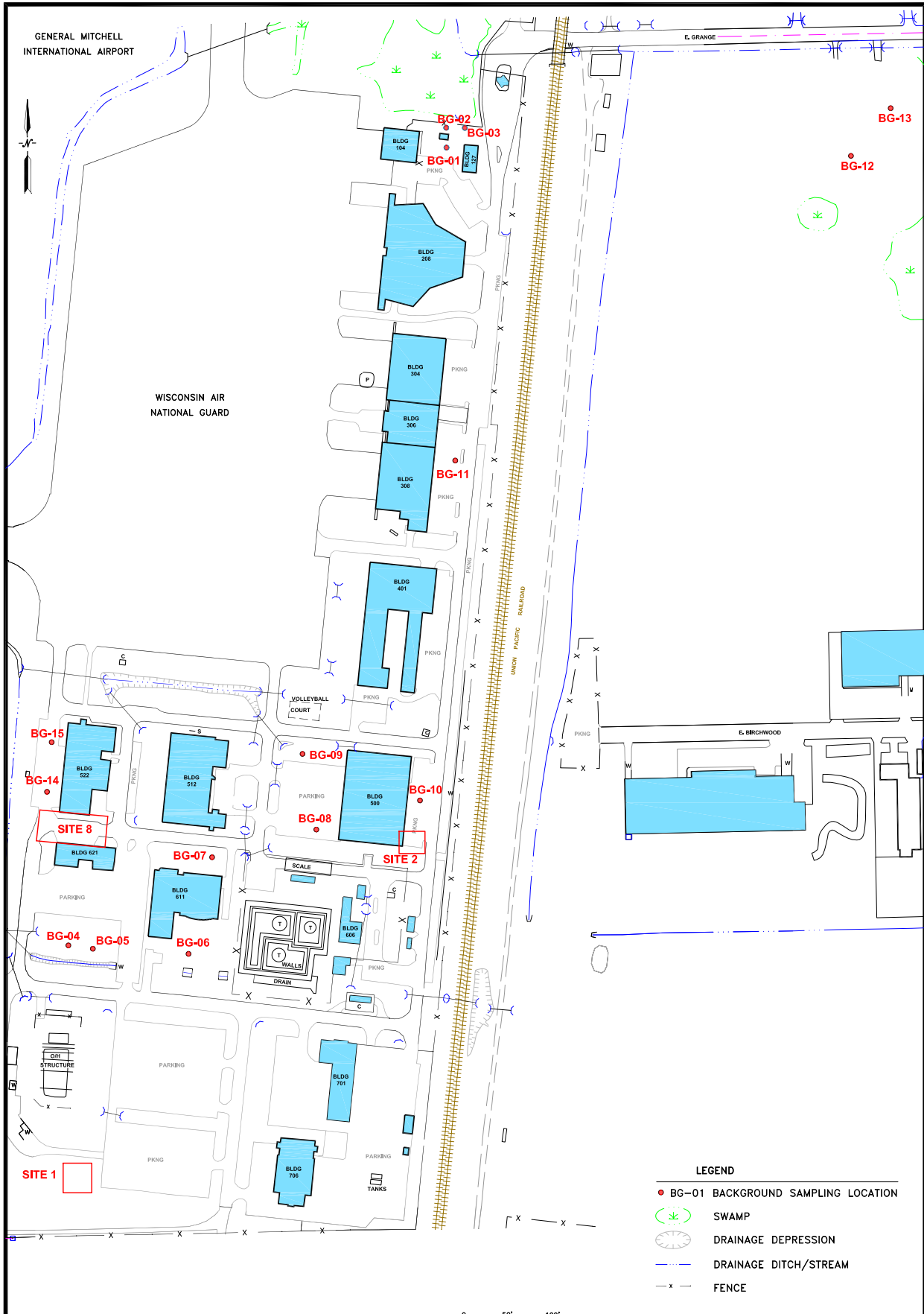
BASE MAP AND ERP SITE LOCATIONS
 128TH AIR REFUELING WING
 BILLY MITCHELL FIELD
 MILWAUKEE, WISCONSIN



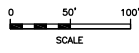
PEER

PROJ./3005-024

WI-ANG/As Closure/FIG 2



SOURCE: KAPUR & ASSOCIATES, 2006



PEER
PROJ./3005-024
WIS/CLOSURE/FIG. 3

BACKGROUND SOIL SAMPLE LOCATIONS FOR ARSENIC ANALYSIS - 2006 RI
128th AIR REFUELING WING
MILWAUKEE, WISCONSIN

FIGURE
3

Table 1
Background Soil Sample Results for Arsenic, 2006 Remedial Investigation
128th Air Refueling Wing
Milwaukee, Wisconsin

Analyte	RCL ⁽¹⁾ mg/kg	Sample Location, Sample Interval ⁽²⁾ and Collection Date												
		BG-1		BG-2		BG-3		BG-4		BG-5		BG-6		
		0-2 ft	19-20 ft	0-2 ft	12-14 ft	0-2 ft	6-8 ft	0-2 ft	4-6 ft	0-2 ft	4-6 ft	0-2 ft	0-2 ft D	4-6 ft
		10/24/06	10/24/06	10/24/06	10/24/06	10/24/06	10/24/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06
Arsenic (mg/kg)	1.6	10	6.2	6.6	5.6	4.3	3.3	9.2	7.6	9.5	3.4	4.0	5.8	2.8

Analyte	RCL ⁽¹⁾ mg/kg	Sample Identification, Sample Interval ⁽²⁾ and Collection Date												
		BG-7		BG-8		BG-9		BG-10			BG-11		BG-12	
		0-2 ft	2-4 ft	0-2 ft	4-6 ft	0-2 ft	4-6 ft	0-2 ft	12-14 ft	12-14 ft D	0-2 ft	8-10 ft	0-2 ft	20-22 ft
		10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06
Arsenic (mg/kg)	1.6	<2.3	<2.4	<2.5	4.4	<2.4	<2.4	4.5	4.8	5.0	3.6	4.8	4.9	10

Analyte	RCL ⁽¹⁾ mg/kg	Sample Identification, Sample Interval ⁽²⁾ and Collection Date						
		BG-13		BG-14		BG-15		
		0-2 ft	12-14 ft	0-2 ft	4-6 ft	0-2 ft	2-4 ft	2-4 ft D
		10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06	10/25/06
Arsenic (mg/kg)	1.6	8.0	6.6	9.4	4.5	19	5.8	7.8

Notes:

1. Generic Residual Contaminant Level (RCL), Wisconsin Department of Natural Resources (NR), NR 720.11, Table 2.
2. Sample interval reported in ft below ground surface.

D Duplicate sample
 < Analyte not detected at or above the method detection limit.

Table 2
Sites 1, 2 and 8 - 2004 Site Investigation Results for Arsenic
128th Air Refueling Wing
Milwaukee, Wisconsin

Analyte	RCL ⁽¹⁾ mg/kg	Background Conc. Range 0-2 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 0-2 ft bgs mg/kg	Background Conc. Range. 4-22 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 4-22 ft bgs mg/kg	Sample Identification, Sample Interval ⁽²⁾ and Collection Date								
						SP1-01-01 0-2 ft 10/14/04	SP1-01-01D 0-2 ft 10/14/04	SP1-01-02 7-8 ft 10/14/04	SP1-02-01 0-2 ft 10/14/04	SP1-02-02 8.5-10 ft 10/14/04	SP1-03-01 0-2 ft 10/14/04	SP1-03-02 12.5-13 ft 10/14/04	SP1-04-01 0-2 ft 10/14/04	SP1-04-02 10.5-11.5 ft 10/14/04
Site 1														
Arsenic	1.6	3.6 - 19	10.5	2.8-10	7.8	11	8.0	6.9	<2.0	<2.0	3.2	9.0	<2.0	<2.0

Analyte	RCL ⁽¹⁾ mg/kg	Background Conc. Range 0-2 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 0-2 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 4-22 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 4-22 ft bgs mg/kg	Sample Identification, Sample Interval ⁽²⁾ and Collection Date							
						SP2-01-01 0-2 ft 10/14/04	SP2-01-02 4-5 ft 10/14/04	SP2-02-01 0-2 ft 10/15/04	SP2-02-02 8.5-9.5 ft 10/15/04	SP2-03-01 0-2 ft 10/15/04	SP2-03-02 4.5-5.4 ft 10/15/04	SP2-04-01 0-2 ft 10/15/04	SP2-04-02 3-4 ft 10/15/04
Site 2													
Arsenic	1.6	3.6 - 19	10.5	2.8-10	7.8	10	7.0	10	21	12	15	8.7	12

Analyte	RCL ⁽¹⁾ mg/kg	Background Conc. Range 0-2 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 0-2 ft bgs mg/kg	Background Conc. Range 4-22 ft bgs mg/kg	Site-Specific RCL ⁽³⁾ 4-22 ft bgs mg/kg	Sample Identification, Sample Interval ⁽²⁾ and Collection Date								
						SP8-01-01 0-2 ft 10/14/04	SP8-01-01D 0-2 ft 10/14/04	SP8-01-02 4.5-5.1 ft 10/14/04	SP8-02-01 0-2 ft 10/14/04	SP8-02-02 4.5-5.2 ft 10/14/04	SP8-03-01 0-2 ft 10/14/04	SP8-03-02 5-6 ft 10/14/04	SP8-04-01 0-2 ft 10/14/04	SP8-04-02 4-5 ft 10/14/04
Site 8														
Arsenic	1.6	3.6 - 19	10.5	2.8-10	7.8	4.6	2.8	6.5	8.8	12	<2.0	16	4.9	8.2

Notes:

1. RCL Industrial Residual Contaminant Level, WDNR 720.11, Table 1.
 2. Sample interval reported in ft below ground surface.
 3. Site-Specific RCL derived from arithmetic mean of the 95% UCL.
- D Duplicate sample
< Analyte not detected at or above the method detection limit.

Bold values indicate concentration exceeds the Site-Specific RCL.

Bold values and boxed cells indicate concentration exceeds the Site-Specific RCL and the range of background concentrations.