





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8606  
TTY 711

June 7, 2005

Mr. Tim Detzer  
Milwaukee Co. General Mitchell International Airport  
5300 S. Howell Avenue  
Milwaukee, WI 53207

FID# 241280270  
BRRTS# 03-41-098832

Subject: Final Case Closure for GMIA Hydrant Fuel Farm, 5300 S. Howell Ave., Milwaukee

Dear Mr. Detzer:

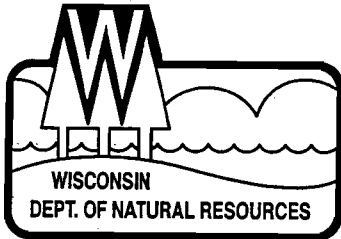
On November 3, 2004, the Wisconsin Department of Natural Resources (Department) notified you that conditional closure was granted to this case. These conditions were the abandonment of all wells and disposal of all investigative wastes. On June 6, 2005, the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your case meets the screening criteria of s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm> If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). 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 the web address listed above.

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 (414) 263-8366.

Sincerely,

Brenda H. Boyce, PG  
Hydrogeologist  
Bureau for Remediation & Redevelopment  
c: Linda Felenz -Kapur & Associates



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November 3, 2004

Mr. Tim Detzer  
Milwaukee Co. General Mitchell International Airport  
5300 S. Howell Avenue  
Milwaukee, WI 53207

FID# 241280270  
BRRTS# 03-41-098832

Subject: Conditional Case Closure for GMIA Hydrant Fuel Farm, 5300 S. Howell Ave.,  
Milwaukee

Dear Mr. Detzer:

On July 26, 2004, the Wisconsin Department of Natural Resources (Department) received your request for closure of the case described above. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Department has determined that the petroleum contamination on the site from the fuel farm appears to have been investigated and remediated to the extent practicable under site conditions. Your case meets the screening criteria of s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied:

- The monitoring wells and sumps at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm.. Documentation of well abandonment must be submitted to Ms. Victoria Stovall on Form 3300-5B found at <http://www.dnr.state.wi.us/org/water/dwg/gw/> or provided by the Department of Natural Resources.
- Any remaining waste (free product, drilling spoil, purge water, 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. Please send a letter advising me that any remaining waste and/or soil piles have been removed once that work is completed.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>].

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

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 (414) 263-8366.

Sincerely,

A handwritten signature in cursive script that reads "Brenda H. Boyce". The signature is written in black ink and includes a long horizontal flourish extending to the right.

Brenda H. Boyce, PG  
Hydrogeologist  
Bureau for Remediation & Redevelopment

c: Linda Felenz –Kapur & Associates

DEED 1724 349

This indenture, Made this 24 day of April, A. D., 1941,  
between Veronica M. Watry, of the Town of Lake, Milwaukee County, Wisconsin,

part Y of the first part, and  
Milwaukee County, a municipal body corporate,  
~~is hereby~~ duly organized and existing under and by virtue of the laws of the State of Wisconsin, located  
at Milwaukee County, Wisconsin, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of  
One Dollar (\$1.00) and other good and valuable considerations,

to her in hand paid by the said party of the second part, the receipt whereof is hereby confessed and  
acknowledged, has given, granted, bargained, sold, remised, released, aliened conveyed and confirmed, and  
by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party  
of the second part, its successors and assigns forever, the following described real estate, situated in the County  
of Milwaukee and State of Wisconsin, to-wit:

Parcel A. The north seventeen and ninety-six hundredths (17.96) acres  
of the south forty-one and thirty-six hundredths (41.36) acres of the  
west one-half (1/2) of the northwest one-quarter of section twenty-eight,  
township six north, range twenty-two east (N.W. 1/4, Sec. 28, town 6  
north, range 22 east) excepting therefrom the south three (3) acres  
and the north four (4) acres of said north 17.96 acres, containing ten  
and ninety-six hundredths (10.96) acres of land.

Parcel B. The south four and eighty-six hundredths (4.86) acres of  
the south forty-one and thirty-six hundredths (41.36) acres of the west  
one-half (1/2) of the northwest one-quarter of section twenty-eight,  
town six north, range twenty-two east (N.W. 1/4, Sec. 28, Town 6 North,  
range 22 East).

Parcel C. The north twenty-two and eighty-two one hundredths (22.82)  
acres of the southwest 1/4 of section 28, town 6 north, range 22 east,  
more particularly described as follows: Commencing at the northwest  
corner of said 1/4 section running thence east on and along the north  
line of said 1/4 section twenty-six hundred seventy-two and nineteen  
hundredths (2672.19) feet to the northeast corner of said 1/4 section  
thence south along the east line of said 1/4 section three hundred  
seventy-five and ninety-four hundredths (375.94) feet to a point,  
thence west twenty-six hundred seventy-one and sixty-six hundredths  
(2671.66) feet to a point in the west line of said 1/4 section, thence  
north on and along the west line of said 1/4 section three hundred  
seventy-eight and forty-two hundredths (378.42) feet to the point of  
beginning, containing twenty-two and eighty-two hundredths (22.82)  
acres of land.

This deed is given in fulfillment of a land contract between Milwaukee  
County and Theodore Watry and Veronica M. Watry, dated November 16, 1937.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise  
appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part Y of the  
first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises  
and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto  
the said party of the second part, and to its successors and assigns FOREVER.

And the said Veronica M. Watry

for herself, her heirs, executors and administrators, do covenant, grant, bargain and agree  
to and with the said party of the second part, its successors and assigns, that at the time of the enrolling and  
delivery of these presents she is well seized of the premises above described, as of a good, sure,  
perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and  
clear from all incumbrances whatever.

and that the above bargained premises in the quiet and peaceable possession of the said party of the second

DEED 1724 350

part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, she will forever WARRANT and DEFEND.

In Witness Whereof, the said part she of the first part ha hereunto set her hand and seal this 2d day of April A. D., 1941

SIGNED AND SEALED IN PRESENCE OF

*James N. Moran*  
*Cora N. Smith*

*Veronica M. Watry* (SEAL)  
(SEAL)  
(SEAL)  
(SEAL)

State of Wisconsin, } ss.  
Milwaukee County, }

Personally came before me, this 2d day of April, A. D., 1941, the above named Veronica M. Watry

to me known to be the person who executed the foregoing instrument and acknowledged the same

*James N. Moran*  
Notary Public, Milwaukee County, Wis.  
My commission expires October 26, A. D. 1941

No. 2313393

Veronica M. Watry

to

Milwaukee County

**Marranty Deed**

REGISTER'S OFFICE,

State of Wisconsin,

MILWAUKEE County.

Received for Record this 5 day of MAY 1941 A. D., 19

at 11:30 o'clock P. M., and recorded in Vol. 1724 of Deeds on page 349

*Charles J. Moran*  
Register of Deeds

Deputy

*Approved as to form and  
Allegations. April 7, 1941.*  
*C. H. Moran*  
*Attorney-Counsel*

WISCONSIN LEGAL BLANK CO  
MILWAUKEE, WISCONSIN

NW & SW 27-6-22 - A.P. 629 & 638  
 SEC. 28-6-22 - ATLAS P. 627-628-639 & 640  
 SEC. 33-6-22 - ATLAS P. 674-673-685-686  
 NW & SW 34-6-22 - ATLAS P. 675 & 684  
 NE 32-6-22 ATLAS P. 672

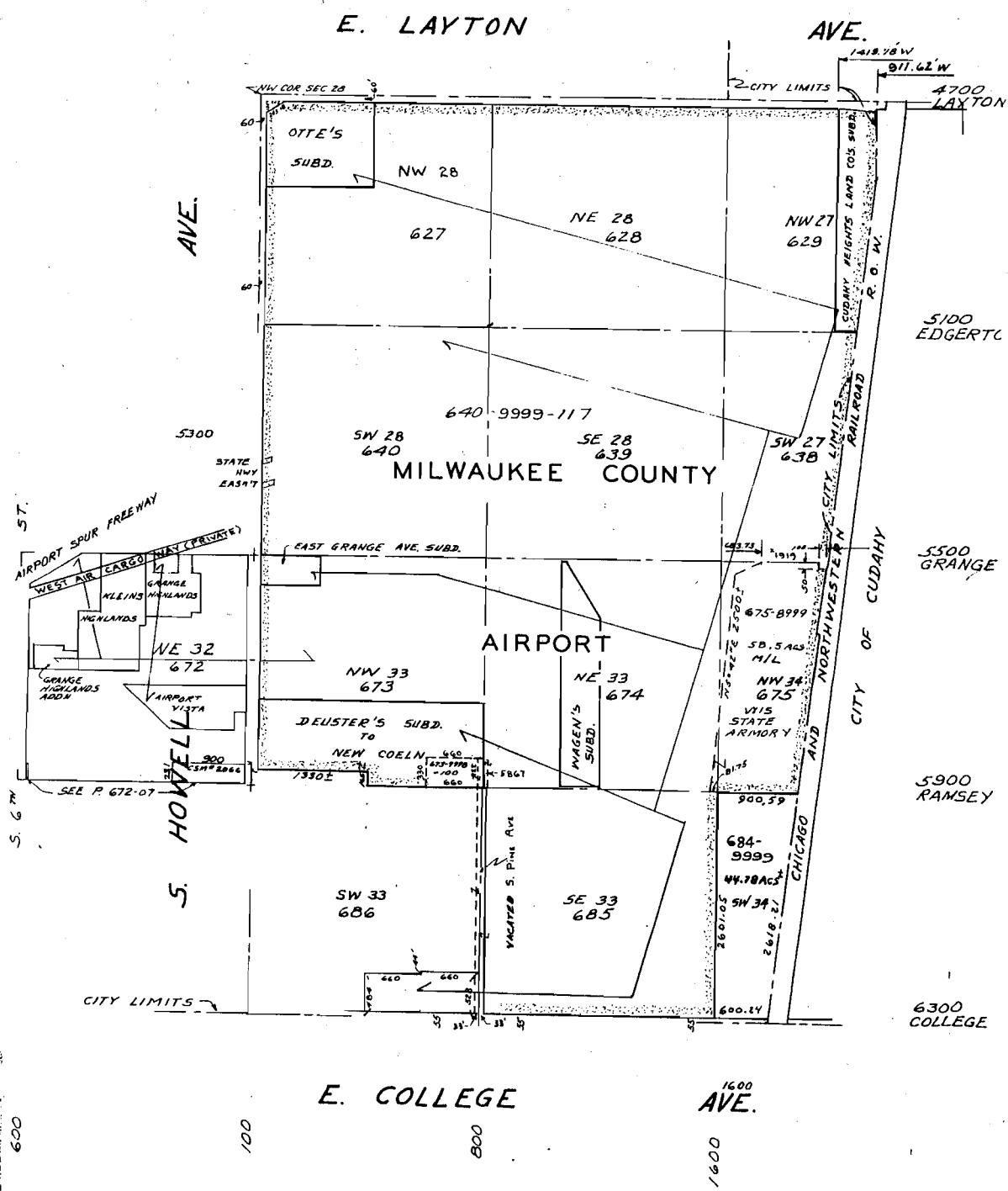
640-673-684-675

640-01

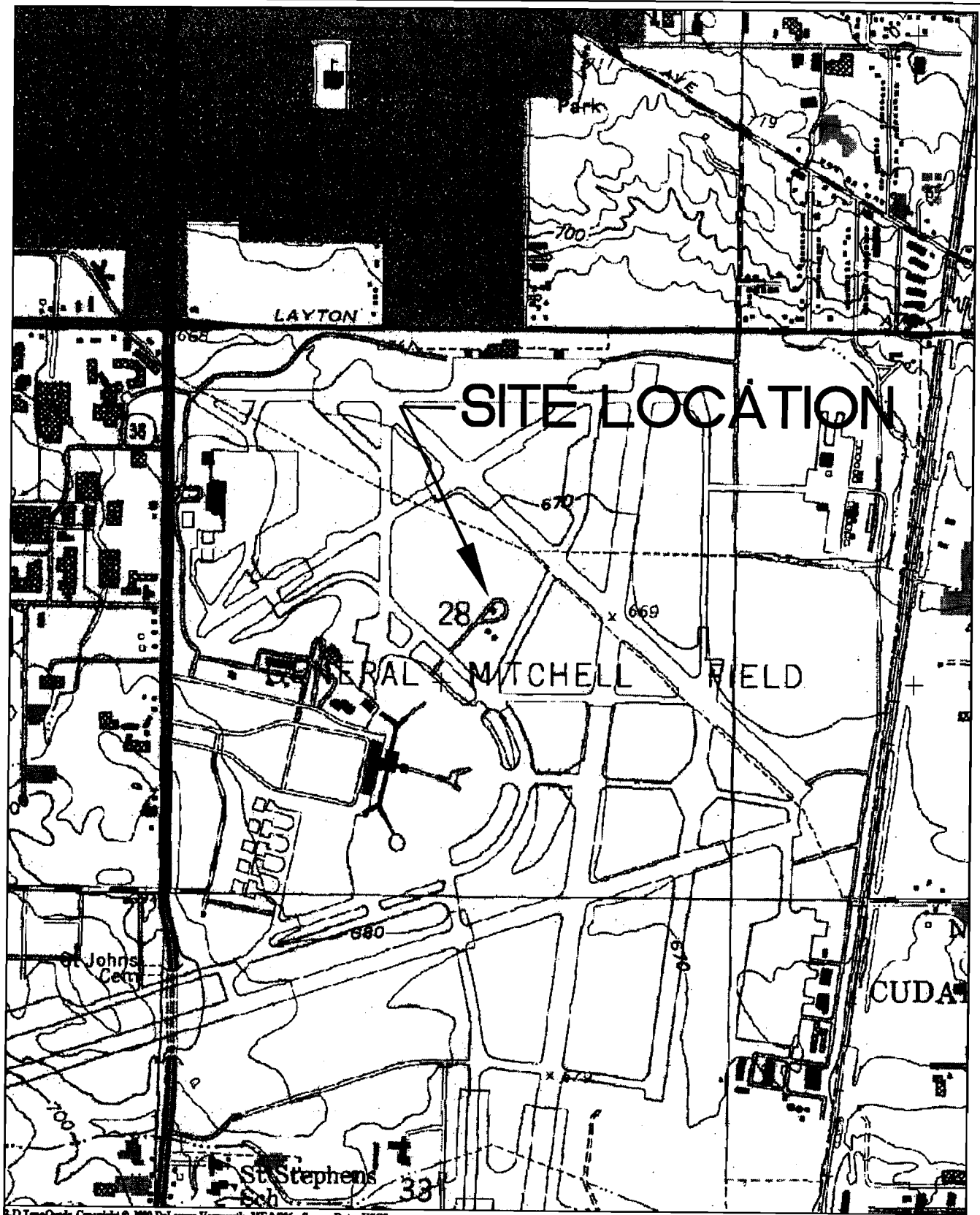
SCALE 1/200" = 1"

LANDS

FEB - 2 1998



MICROFILMED 600



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

## SITE LOCATION MAP

FIGURE  
**1**

SOURCE: USGS 1976 (GREENDALE QUADRANGLE)

GMIA - HYDRANT FUEL FARM (HFF)  
 5300 SOUTH HOWELL AVENUE, MILWAUKEE, WISCONSIN

DRAWN BY: TWP	CHECKED BY: LJF	APPROVED BY: LJF	PROJECT NUMBER: 03798.421	DATE: 08/26/03	REVISED DATE:
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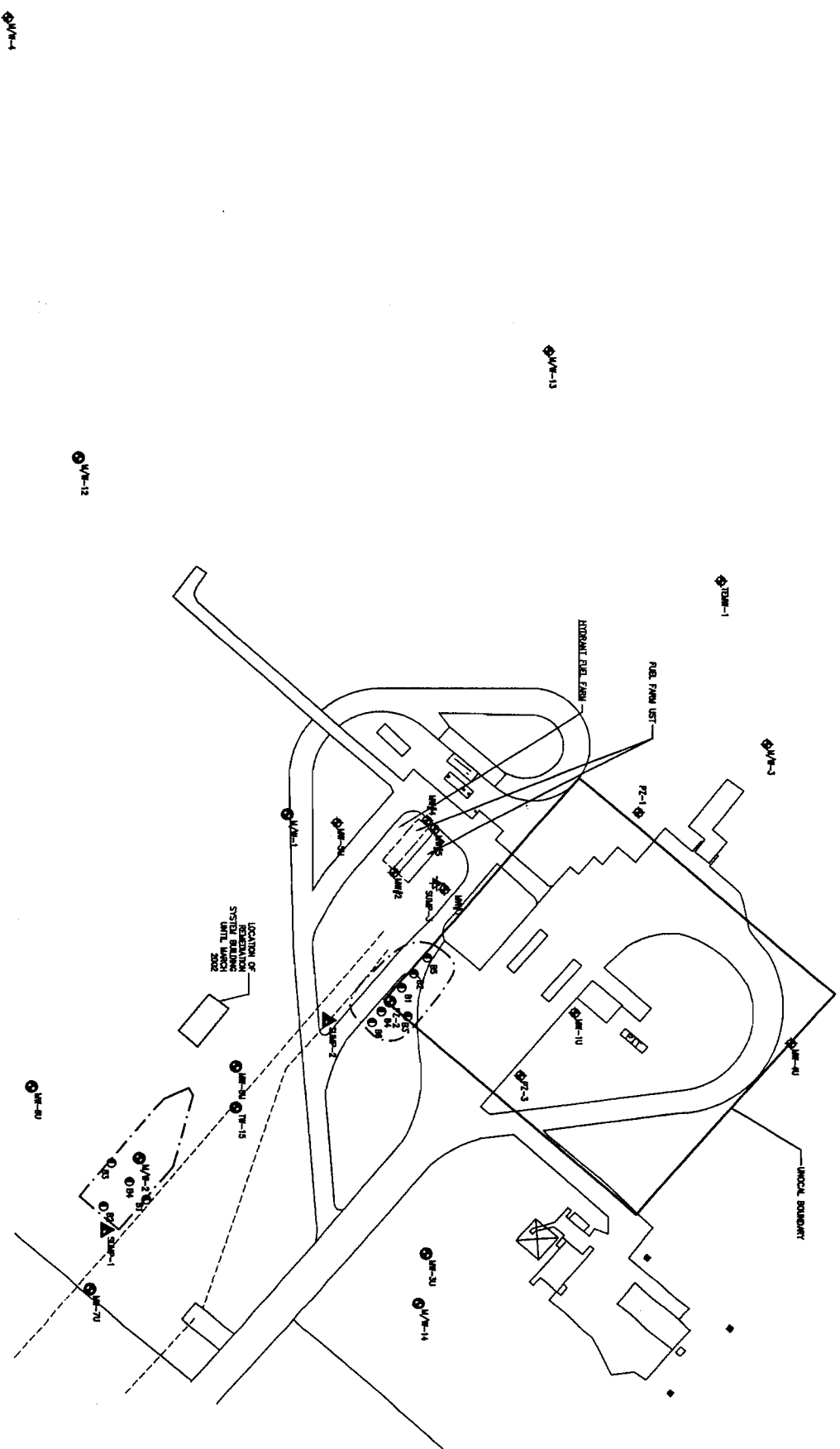
VERIFY SCALE		DATE	BY
DATE SCALE	BY		
0	BR		
1	CHK		
2	APP		
3	APP		

NO.	DATE	REVISION

GENERAL MITCHELL  
INTERNATIONAL AIRPORT  
MILWAUKEE, WISCONSIN

FIGURE 3  
HYDRANT FUEL FARM/UNOCAL  
SITE PLAN

REVISION	DATE	BY

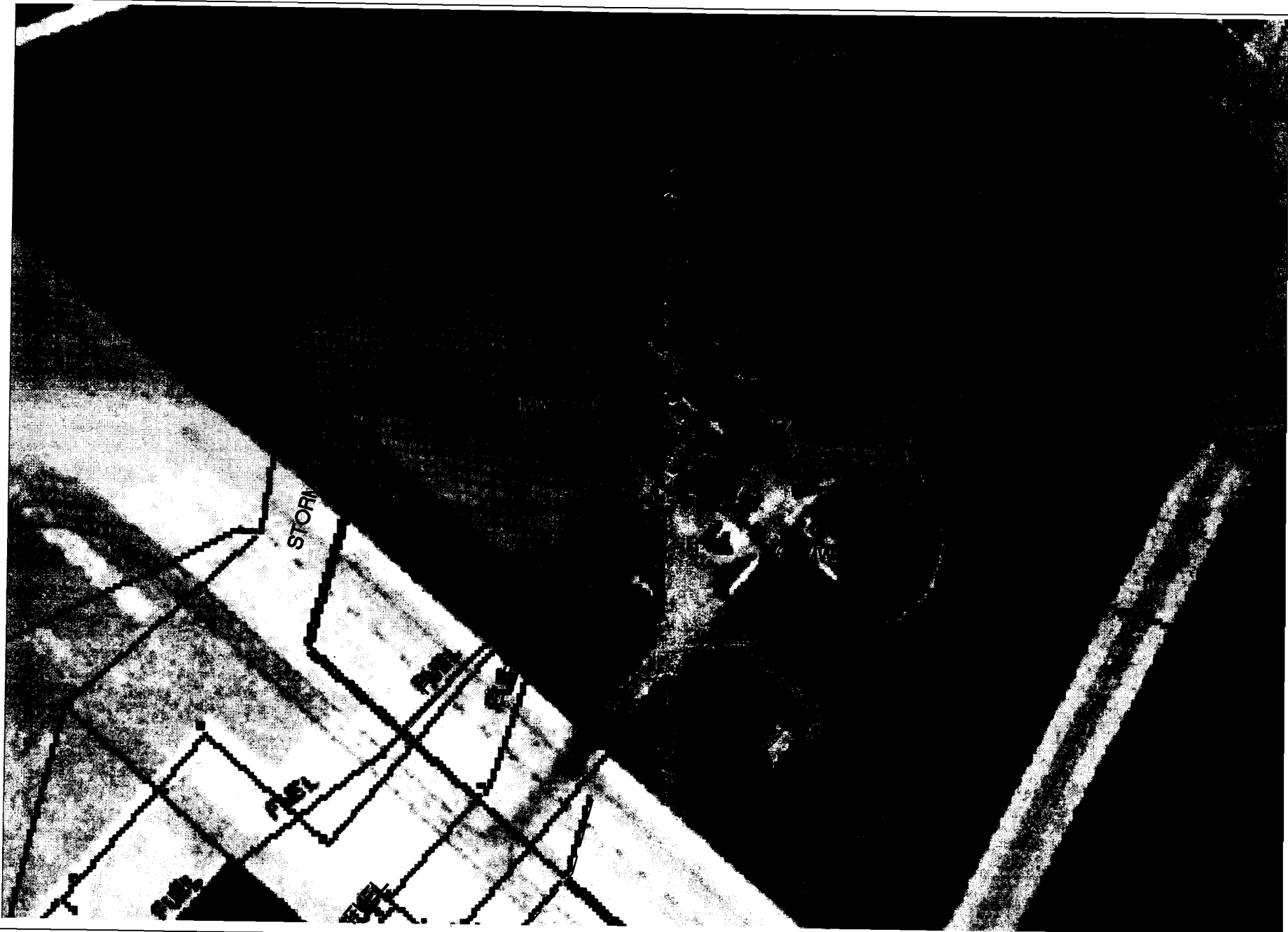


**LEGEND:**

- VW-1 MONITORING WELL LOCATION
- ★ SM-1 EXTRACTION SUMP APPROXIMATE LOCATION
- VW-1 ARMORED BELLS
- ▲ SM-1 ARMORED SUMPS
- NI NOT MARKED
- - - EXISTING FUEL LINES
- BT GEOPROBE LOCATIONS, ABANDONED AS PART OF EXCAVATIONS
- - - - - OBT OF RESOUR. FREE PRODUCT SOIL EXHAUSTION

**DRAFT**





LEGEND:

 MW2-R = GROUNDWATER MONITORING WELL


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

**SITE UTILITIES PLAN VIEW MAP**

**HYDRANT FUEL FARM (HFF)**  
**GENERAL MITCHELL INTERNATIONAL AIRPORT**

FIGURE  
**1a**

DRAWN BY: TWP	CHECKED BY: DRM	APPROVED BY: L.F	PROJECT NUMBER: 03798.421	DATE: 4/2/04	SCALE:
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**GEOPROBE  
SOIL SAMPLE RESULTS AREA 2 (PZ-2)  
GENERAL MITCHELL INTERNATIONAL AIRPORT  
MILWAUKEE, WISCONSIN**

Sample ID	B-1	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	Non-Industrial GENERIC RCL*
Date Collected	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	2/14/02	
Depth (feet)	4-6	10-12	4-6	12-14	4-6	10-12	4-6	10-12	6-8	8-10	4-6	8-10	
DRO (mg/kg)	19.1	96.5	<b>904</b>	25.7	<5.92	26.2	<5.96	19.2	<b>113</b>	63.1	89.7	<b>319</b>	100
GRO (mg/kg)	40.6	<b>397</b>	<b>140</b>	<b>114</b>	<5.92	<b>187</b>	<b>217</b>	<b>792</b>	<b>204</b>	<b>240</b>	<b>162</b>	<b>787</b>	100

DRO - diesel range organics, Wisconsin Modified Method

GRO - gasoline range organics, Wisconsin Modified Method

mg/kg-milligrams per kilogram

\* NR 720 Wisconsin Administrative Code residual contaminant levels (RCL)

**Bold** indicates concentration is above the RCL

<25 - parameter less than the limit of detection (LOD).

DRAFT

J:\Projects\W023567\01-W023567.dwg Jul 03,2002 - 11:36am maoss



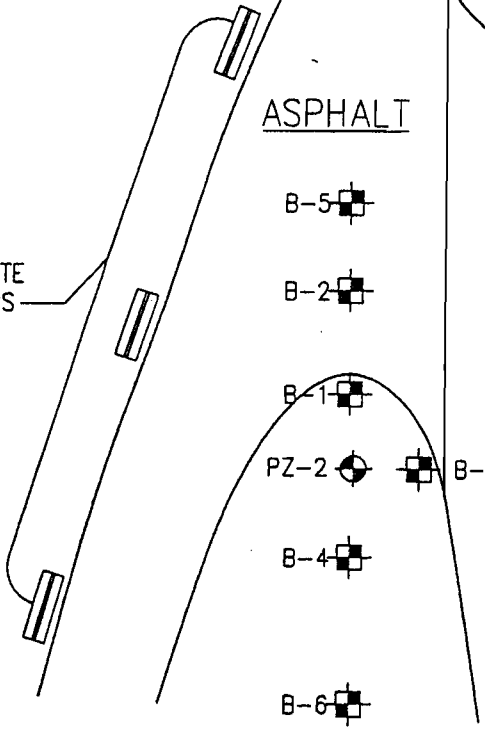
FUEL FARM

TRAILER

ASPHALT

CONCRETE BARRIERS

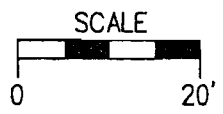
CONCRETE



**DRAFT**

LEGEND

- PZ-2 PIEZOMETER LOCATION
- B-1 SOIL BORING LOCATION
- UNDERGROUND FUEL LINE



**TTE** TRIAD ENGINEERING INCORPORATED  
© 2002 Triad Engineering

DSGN	
DR	JAB
CHK	
APVD	

GENERAL MITCHELL INTERNATIONAL AIRPORT MILWAUKEE, WISCONSIN

AREA 2

SHEET NO.	
DWG NO.	01-W023567
DATE	Jul 2002
PROJ. NO.	W023567

TABLE 2  
SOIL SAMPLE RESULTS AREA 2 (PZ-2)  
GENERAL MITCHELL INTERNATIONAL AIRPORT  
MILWAUKEE, WISCONSIN

Sample ID	EASTWALL 4'	NW WALL 5'	BOTTOM 13'	North Wall 5'	NR720/746 Standards *	
Date Collected	4/23/02	4/23/02	4/23/02	4/23/02		
Depth (feet)	4	5	13	5		
DRO (mg/kg)	<6.17	128	9.44	260	100	NR720 RCL GW Protection
PAH (ug/kg)						
benzo (a) pyrene	<6.17	20.6	<6.05	<6.17	390 / <del>86</del> 8.8	NR720 Calculated Direct Contact RCL <i>indust/non-ind.</i>
2-methylnaphthalene	<123	156	<121	<123	20,000	NR720 Calculated GW Protection RCL
VOC (ug/kg)						
n-butylbenzene	<25	985	<25	1560	3.13x10 <sup>6</sup>	NR720 Calculated Direct Contact RCL
sec-butylbenzene	<25	1,010	<25	1840	3.13x10 <sup>6</sup>	NR720 Calculated Direct Contact RCL
tert-butylbenzene	<25	322	<25	532	3.13x10 <sup>6</sup>	NR720 Calculated Direct Contact RCL
ethylbenzene	<25	154	<25	281	4,600	NR746 SSL
isopropylbenzene	<25	293	<25	365	NE	
p-isopropyltoluene	<25	640	<25	1060	NE	
naphthalene	<25	749	<25	2630	2,700	NR746 SSL
n-propylbenzene	<25	415	<25	683	83,000	NR720 Calculated Direct Contact RCL
1,2,4 trimethylbenzene	<25	1640	<25	3180	11,000	NR746 SSL
1,3,5-trimethylbenzene	<25	740	<25	1430	42,000	NR746 SSL
total xylenes	<25	193	<25	277	42,000	NR746 SSL

PAH - polynuclear aromatic hydrocarbons (method 8310)

DRO - diesel range organics, Wisconsin Modified Method, extended window

VOCS - volatile organic compounds (modified method 8021)

mg/kg-milligrams per kilogram

ug/kg-micrograms per kilogram

\* NR 720 Wisconsin Administrative Code (WAC) residual contaminant levels (RCLs; non-industrial) and NR746WAC Soil Screening Levels (SSLs)

Bold indicates concentration is above the RCL

<25 - parameter less than the limit of detection (LOD).

ND - not detected above the laboratory reporting limit

NE - not established

GW - groundwater

**DRAFT**



FUEL FARM

TRAILER

ASPHALT

CONCRETE BARRIERS

NW WALL 5'

NORTH WALL 5'

EAST WALL 4'

BOTTOM 13'

FORMER PZ-2

CONCRETE

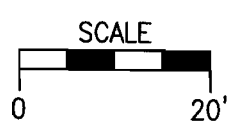
B-3

APPROXIMATE EXTENT OF EXCAVATION

GRASS

**LEGEND**

- UNDERGROUND FUEL LINE
- ⊠ NORTH WALL 5' SOIL SAMPLE LOCATIONS (AND DEPTH)
- ⊙ PZ-2 ABANDONED WELL



DSGN	JMR
DR	EJM
CHK	

GENERAL MITCHELL  
INTERNATIONAL AIRPORT  
MILWAUKEE WISCONSIN

**FIGURE 3**  
**HYDRANT FUEL FARM**  
**AREA 2**

SHEET NO.	FIGURE 3
DWG NO.	03-W023566
DATE	Sep 2003

**Table #1: GMIA-HFF**  
**Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
MW-1U	668.36	NM	#VALUE!	8/20/1996	2.9	36	NA	<0.2	72	27	24	<0.02	<0.06	<0.008	<0.3	10	3.4	10
	9.5	658.86	7/23/1998	5.5	59	NA	<0.9	120	57	44.6	<5.1	<5.2	<6.1	<1.7	10	3.4	10	
	8.24	660.12	10/13/1998	3.2	41	NA	1.2	50	24	17.28	<0.0034	<0.025	<0.0034	<0.0052	12	7.8	14	
	5.79	662.57	4/15/1999	2.7	42.6	NA	1	40	26.2	18.9	<0.016	<0.023	<0.028	<0.023	21	2.4	0.26	
	10.3	658.06	12/2/1999	3.1	24	0.52	0.67	51	17	13	<0.08	<0.14	<0.02	<1.0	<7.2	51	<6.2	
	8.07	660.29	4/4/2000	<3.4	78	NA	<3.4	NA	NA	27	NA	NA	NA	NA	NA	NA	NA	NA
	8.25	660.11	10/26/2000	1.7	30	NA	<0.44	NA	NA	16	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1	
	6.26	662.1	8/28/2001	2.4	52	<0.60	<0.88	96	37	32	<0.10	<0.07	<0.01	<0.70	30	22	38	
	8.82	659.54	7/18/2003	<0.89	9.8	<0.60	<0.88	63	30	8.8	0.07	0.04	<0.01	0.06	13	7	5.6	
	9.65	658.71	1/21/2004	<1.8	14	<1.2	<1.8	70	31	10.5	<0.02	<0.02	<0.02	<0.02	21	9.4	7.9	
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
MW-4U	665.91	NM	#VALUE!	8/20/1996	<0.2	<0.3	NA	<0.2	<0.4	<0.3	<0.7	0.4	0.3	0.1	0.4	103	92	43
	5	660.91	7/23/1998	<0.063	<0.077	NA	>0.18	<0.13	<0.12	<0.27	<5.6	<5.7	<6.7	<1.9	<0.29	<0.29	<0.24	
	3.3	662.61	10/13/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<0.0017	<0.012	<0.0017	<0.0026	<0.045	<0.043	<0.043	
	2.31	663.6	4/13/1999	<0.5	<0.6	NA	<0.5	<0.6	<0.9	<0.7	NA	NA	NA	NA	NA	NA	NA	
	3.06	662.85	5/5/1999	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.023	<0.028	<0.023	<0.097	<0.066	<0.034	
	5.5	660.41	12/2/1999	<0.19	<0.16	<0.21	<0.33	<0.29	<0.23	<0.36	<0.04	<0.07	<0.01	<0.50	<3.6	24	<3.1	
	3.58	662.33	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1	
	2.31	663.6	8/28/2001	<0.44	<0.57	<0.30	0.83	<0.63	<0.62	<1.0	<0.10	<0.07	<0.01	<0.70	<0.21	<0.20	<0.22	
	3.97	661.94	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	
	4.45	661.46	1/21/2004	1.1	0.68	<0.30	0.86	<0.63	<0.62	2.15	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

NOTES:

All results in parts per billion (ppb) unless otherwise noted  
**Bold** samples equal or exceed the Enforcement Standards (ES)  
*Italic* samples equal or exceed the Preventive Action Limits (PAL)

\* = Concentration due to use of lab contaminant (as seen in Trip Blank)  
*Only samples detected in at least one sample are shown in this table.*

(ft bgs) = feet below ground surface  
(ft msl) = feet above mean sea level  
PVOC = petroleum volatile organic compound  
PAH = polynuclear aromatic hydrocarbon

**Table #1: GMIA-HFF  
Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
MW-5U	667.94	NM	#VALUE!	8/20/1996	<0.2	<0.3	NA	<0.2	<0.4	<0.3	<0.7	0.05	0.3	0.02	0.7	<1.7	<1.7	<1.8
		NM	#VALUE!	4/4/2000	<0.67	<0.66	NA	<0.68	NA	NA	<1.4	NA	NA	NA	NA	NA	NA	NA
		6.88	661.06	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1
		4.64	663.3	8/28/2001	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.0	0.24	0.2	0.09	<0.70	<0.21	<0.20	<0.22
		7.39	660.55	7/18/2003	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		9.16	658.78	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
MW-2	667	8.05	658.95	8/20/2001	FREE PRODUCT							FREE PRODUCT						
MW-2R	667.27	9.92	657.35	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA	NA
		9.44	657.83	3/3/2004	<0.5	<5.0	<0.511	<5.0	<5.0	<5.0	<5.0	<0.02	0.023	<0.1	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

**NOTES:**

All results in parts per billion (ppb) unless otherwise noted  
**Bold** samples equal or exceed the Enforcement Standards (ES)  
*Italic* samples equal or exceed the Preventive Action Limits (PAL)  
 \* = Concentration due to use of lab contaminant (as seen in Trip Blank)  
 Only samples detected in at least one sample are shown in this table.

(ft bgs) = feet below ground surface  
 (ft msl) = feet above mean sea level  
 PVOC = petroleum volatile organic compound  
 PAH = polynuclear aromatic hydrocarbon



**Table #1: GMIA-HFF  
Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
M/W-3	669.16	NM	#VALUE!	8/20/1996	<0.2	<0.3	NA	<0.2	<0.4	<0.3	<0.7	<0.02	<0.06	<0.008	<0.3	<1.7	<1.7	<1.8
		11.78	657.38	7/23/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<5.1	<5.2	<6.1	<1.7	<0.26	<0.26	<0.22
		10.38	658.78	10/13/1998	<0.063	<0.077	NA	0.22	<0.13	<0.12	<0.27	<0.017	<0.012	<0.0017	<0.0026	<0.045	<0.043	<0.048
		7.82	661.34	4/13/1999	<0.5	<0.06	NA	<0.5	<0.6	<0.9	<0.7	NA	NA	NA	NA	NA	NA	NA
		8.56	660.6	5/5/1999	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.023	<0.028	<0.023	<0.097	<0.066	<0.034
		10.75	658.41	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		11.45	657.71	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<b>0.68</b>	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
M/W-13	668.95	NM	#VALUE!	8/20/1996	<0.2	<0.3	NA	<0.20	<0.4	<0.3	<0.7	<0.02	<0.06	<0.008	<0.3	<1.7	<1.7	<1.8
		10.7	658.25	7/23/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<5.1	<5.1	<6.1	<1.7	<0.26	<0.26	<0.22
		10.5	658.45	10/14/1998	<0.063	<0.077	NA	0.4	<0.13	<0.12	<0.27	<0.0017	<0.022	<0.0017	<0.0026	<0.045	<0.043	<0.048
		7.75	661.2	4/13/1999	<0.5	<0.6	NA	<0.5	<0.6	<0.9	<0.7	NA	NA	NA	NA	NA	NA	
		8.36	660.59	5/5/1999	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.023	<0.028	<0.023	<0.097	<0.066	<0.034
		11.19	657.76	12/2/1999	<0.19	<0.16	<0.21	<0.33	<0.29	<0.23	<0.36	<0.04	<0.07	<0.01	<0.50	8.4	<3.2	<3.1
		9.78	659.17	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1
		9.35	659.6	8/28/2001	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	1.6	<0.10	<0.07	<0.01	<0.70	<0.21	<0.20	<0.22
		10.89	658.06	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		11.6	657.35	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	0.24	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

NOTES:

All results in parts per billion (ppb) unless otherwise noted  
**Bold** samples equal or exceed the Enforcement Standards (ES)  
*Italic* samples equal or exceed the Preventive Action Limits (PAL)

\* = Concentration due to use of lab contaminant (as seen in Trip Blank)  
*Only samples detected in at least one sample are shown in this table.*

(ft bgs) = feet below ground surface  
 (ft msl) = feet above mean sea level  
 PVOC = petroleum volatile organic compound  
 PAH = polynuclear aromatic hydrocarbon

**Table #1: GMIA-HFF  
Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
PZ-1	668.96	NM	#VALUE!	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1
		9.38	659.58	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		10.57	658.39	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
PZ-2	667.96	NM	#VALUE!	8/20/1996	<0.4	28	NA	3.2	132	58	9.8	<0.02	<0.02	<0.008	<0.3	<1.7	<1.7	<1.8
		8.48	659.48	7/23/1998	<0.32	32	NA	4.4	140	61	14.9	<110	<110	<130	<37	810	840	<4.8
		6.95	661.01	10/14/1998	0.38	23	NA	3.5	400	190	27.3	<0.034	<0.25	<0.034	<0.052	110	120	59
		9.09	658.87	8/28/2001	FREE PRODUCT							FREE PRODUCT						
PZ-2R	667.66	9.2	658.46	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		10	657.66	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

**NOTES:**

All results in parts per billion (ppb) unless otherwise noted  
**Bold** samples equal or exceed the Enforcement Standards (ES)  
*Italic* samples equal or exceed the Preventive Action Limits (PAL)

\* = Concentration due to use of lab contaminant (as seen in Trip Blank)  
*Only samples detected in at least one sample are shown in this table.*

(ft bgs) = feet below ground surface  
 (ft msl) = feet above mean sea level  
 PVOC = petroleum volatile organic compound  
 PAH = polynuclear aromatic hydrocarbon

**Table #1: GMIA-HFF  
Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
PZ-3	667.64	NM	#VALUE!	7/24/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<5.1	<5.2	<6.1	<1.7	<0.26	<0.26	<0.22
	6.47	661.17	10/14/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<0.0017	<0.012	<0.0017	<0.0026	<0.045	<0.043	<0.048	
	3.83	663.81	4/13/1999	<0.5	<0.6	NA	<0.5	<0.6	<0.9	<0.7	NA	NA	NA	NA	NA	NA	NA	
	5.11	662.53	5/5/1999	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.023	<0.028	<0.023	<0.097	<0.066	<0.034	
	6.78	660.86	4/4/2000	<0.67	<0.66	NA	<0.68	NA	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	
	7.12	660.52	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.50	<3.6	<3.2	<3.1	
	7.33	660.31	7/18/2003	<0.89	<1.1	<0.60	<0.88	2.2	<1.2	<2.95	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	
	8.44	659.2	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
TEMW-1	669.16	NM	#VALUE!	9/4/1996	<0.2	<0.3	NA	<0.2	<0.4	<0.3	<0.7	<0.02	<0.06	<0.008	<0.3	4.6	<1.7	<1.8
	9.32	659.84	7/23/1998	<0.063	<0.077	NA	<0.18	<0.13	<0.12	<0.27	<5.1	<5.2	<6.1	<1.7	<0.26	<0.26	<0.22	
	8.52	660.64	10/14/1998	<0.063	<0.077	NA	0.2	<0.13	<0.12	<0.27	<0.0017	<0.012	<0.0017	<0.0026	<0.045	<0.043	<0.048	
	3.92	665.24	4/13/1999	<0.5	<0.6	NA	<0.5	<0.6	<0.9	<0.7	NA	NA	NA	NA	NA	NA	NA	
	8.97	660.19	5/5/1999	NA	NA	NA	NA	NA	NA	NA	<0.016	<0.023	<0.028	<0.023	<0.097	<0.066	<0.034	
	9.12	660.04	12/2/1999	<0.19	<0.16	<0.21	<0.33	<0.29	<0.23	<0.36	<0.04	<0.07	<0.01	<0.5	<3.6	30	<3.1	
	5.85	663.31	4/4/2000	<0.67	<0.66	NA	<0.68	NA	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	
	6.56	662.6	10/26/2000	<0.44	<0.57	NA	<0.44	NA	NA	<1.0	<0.04	<0.07	<0.01	<0.5	<3.6	<3.2	<3.1	
	6.7	662.46	8/28/2001	<0.44	<0.57	<3.0	<0.44	0.74	0.64	<1.0	<0.10	<0.07	<0.01	<0.7	<0.21	<0.20	<0.22	
	9.2	659.96	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	
	10	659.16	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	40	
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	8	

**NOTES:**

All results in parts per billion (ppb) unless otherwise noted  
**Bold** samples equal or exceed the Enforcement Standards (ES)  
*Italic* samples equal or exceed the Preventive Action Limits (PAL)

\* = Concentration due to use of lab contaminant (as seen in Trip Blank)  
*Only samples detected in at least one sample are shown in this table.*

(ft bgs) = feet below ground surface  
(ft msl) = feet above mean sea level  
PVOC = petroleum volatile organic compound  
PAH = polynuclear aromatic hydrocarbon

**Table # 2, Title: GMIA - HFF  
Groundwater Sample Analytical Results**

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)							PAHs						
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene
MW-1U	668.36	8.82	659.54	7/18/2003	<0.89	9.8	<0.60	<0.88	63	30	8.8	0.07	0.04	<0.01	0.06	13	7	5.6
		9.65	658.71	1/21/2004	<1.8	14	<1.2	<1.8	70	31	10.5	<0.02	<0.02	<0.02	<0.02	21	9.4	7.9
MW-4U	665.91	3.97	661.94	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		4.45	661.46	1/21/2004	1.1	0.68	<0.30	0.86	<0.63	<0.62	2.15	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
MW-5U	667.94	7.39	660.55	7/18/2003	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		9.16	658.78	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
M/W-3	669.16	10.75	658.41	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		11.45	657.71	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<b>0.68</b>	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
M/W-13	668.95	10.89	658.06	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		11.6	657.35	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	0.24	<0.02	<5.0	<5.0	<5.0
PZ-1	668.96	9.38	659.58	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		10.57	658.39	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
PZ-3	667.64	7.33	660.31	7/18/2003	<0.89	<1.1	<0.60	<0.88	2.2	<1.2	<2.95	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		8.44	659.2	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
TEMW-1	669.16	9.2	659.96	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22
		10	659.16	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
PZ2-R	667.66	9.22	658.44	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA	NA
		9.97	657.69	1/21/2004	<0.44	<0.57	7.6	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0
MW2-R	667.27	9.92	657.35	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA	NA
		9.44	657.83	3/3/2004	<0.5	<5.0	<0.511	<5.0	<5.0	<5.0	<5.0	<0.02	0.023	<0.1	<0.02	<5.0	<5.0	<5.0
TRIP	NA	NA	NA	7/18/2003	<0.44	<0.57	<0.39	<0.29	<0.63	<0.62	<1.48	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	1/21/2004	<0.44	<0.57	7.6	<0.44	<0.63	<0.62	<1.48	NA	NA	NA	NA	NA	NA	NA
NR 141 Enforcement Standard (ES)					5	700	60	1,000	480		10,000	0.2	0.2	NS	0.2	NS	NS	40
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96		1,000	0.02	0.02	NS	0.02	NS	NS	8

NOTES:

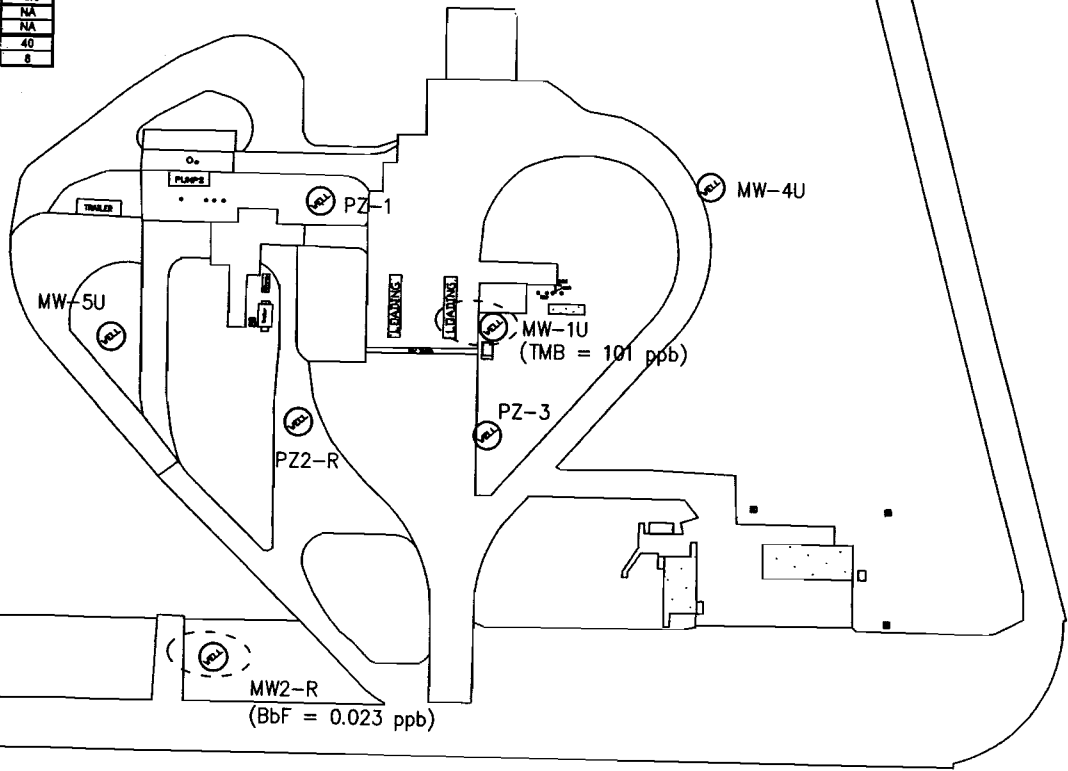
- All results in parts per billion (ppb) unless otherwise noted
- Bold** samples equal or exceed the Enforcement Standards (ES)
- Italic* samples equal or exceed the Preventive Action Limits (PAL)
- (ft bgs) = feet below ground surface
- (ft msl) = feet above mean sea level
- PVOC = petroleum volatile organic compound
- PAH = polynuclear aromatic hydrocarbon
- \* = Concentration due to use of lab contaminant (as seen in Trip Blank)

*Only samples detected in at least one sample are shown in this table.*

Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft ms)	Date Collected	PVOC (ppb)								PAHs									
					Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	Benzo (a) pyrene	Benzo (b) Fluoranthene	Benzo (k) Fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene				
MW-1U	868.38	8.62	659.54	7/18/2003	<0.89	9.8	<0.60	<0.88	63	30	8.8	0.07	0.04	<0.01	0.08	13	7	5.6				
		9.65	656.71	1/21/2004	<1.8	14	<1.2	<1.8	70	37	10.5	<0.02	0.04	<0.01	<0.02	<0.02	21	9.4	7.9			
MW-4U	865.91	3.97	661.94	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22				
		4.45	661.46	1/21/2004	1.7	0.66	<0.30	0.66	<0.63	<0.82	2.15	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
MW-5U	867.94	7.39	660.55	7/18/2003	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22				
		8.16	658.78	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
MW-3	869.16	10.75	658.41	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.02	<0.13	<0.18	<0.22				
		11.45	657.71	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	0.68	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
MW-13	868.95	10.69	659.06	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22				
		11.8	657.35	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
PZ-1	868.96	9.38	659.58	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22					
		10.57	658.39	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
PZ-3	867.84	7.33	660.31	7/18/2003	<0.89	<1.1	<0.60	<0.88	2.2	<1.2	<2.95	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22					
		8.44	659.2	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
TEMW-1	868.16	9.2	659.06	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22					
		10	658.16	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22					
PZ2-R	867.66	9.22	658.44	7/18/2003	<0.57	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA					
		9.97	657.69	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.13	<0.18	<0.22				
MW2-R	867.27	9.82	657.35	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA					
		9.44	657.83	3/3/2004	<0.5	<0.5	<0.511	<0.5	<0.5	<0.5	<0.5	0.023	<0.1	<0.02	<0.13	<0.18	<0.22					
TRIP	NA	NA	NA	7/18/2003	<0.44	<0.57	<0.39	<0.29	<0.63	<0.82	<1.48	NA	NA	NA	NA	NA	NA					
		NA	NA	1/21/2004	<0.44	<0.57	7.8	<0.44	<0.63	<0.82	<1.48	NA	NA	NA	NA	NA	NA					
NR 141 Enforcement Standard (ES)					5	700	60	1,000	450	10,000	0.2	0.2	NS	0.2	NS	NS	40					
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	98	1,000	0.02	0.02	NS	0.02	NS	NS	8					

TEMW-1

M/W-3 (BaP = 0.68 ppb)



- MW2-R = GROUNDWATER MONITORING WELL
- [Symbol] = CONCENTRATION EXCEEDING THE NR 140 PAL
- [Symbol] = CONCENTRATION EXCEEDING THE NR 140 ES

M/W-3 (BaP = 0.68 ppb) = CONTAMINANT CONCENTRATION IN PARTS PER BILLION

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

**GROUNDWATER SAMPLE RESULTS AND ISOCONCENTRATION MAP**

**HYDRANT FUEL FARM (HFF)  
 GENERAL MITCHELL INTERNATIONAL AIRPORT**

FIGURE  
**2a**

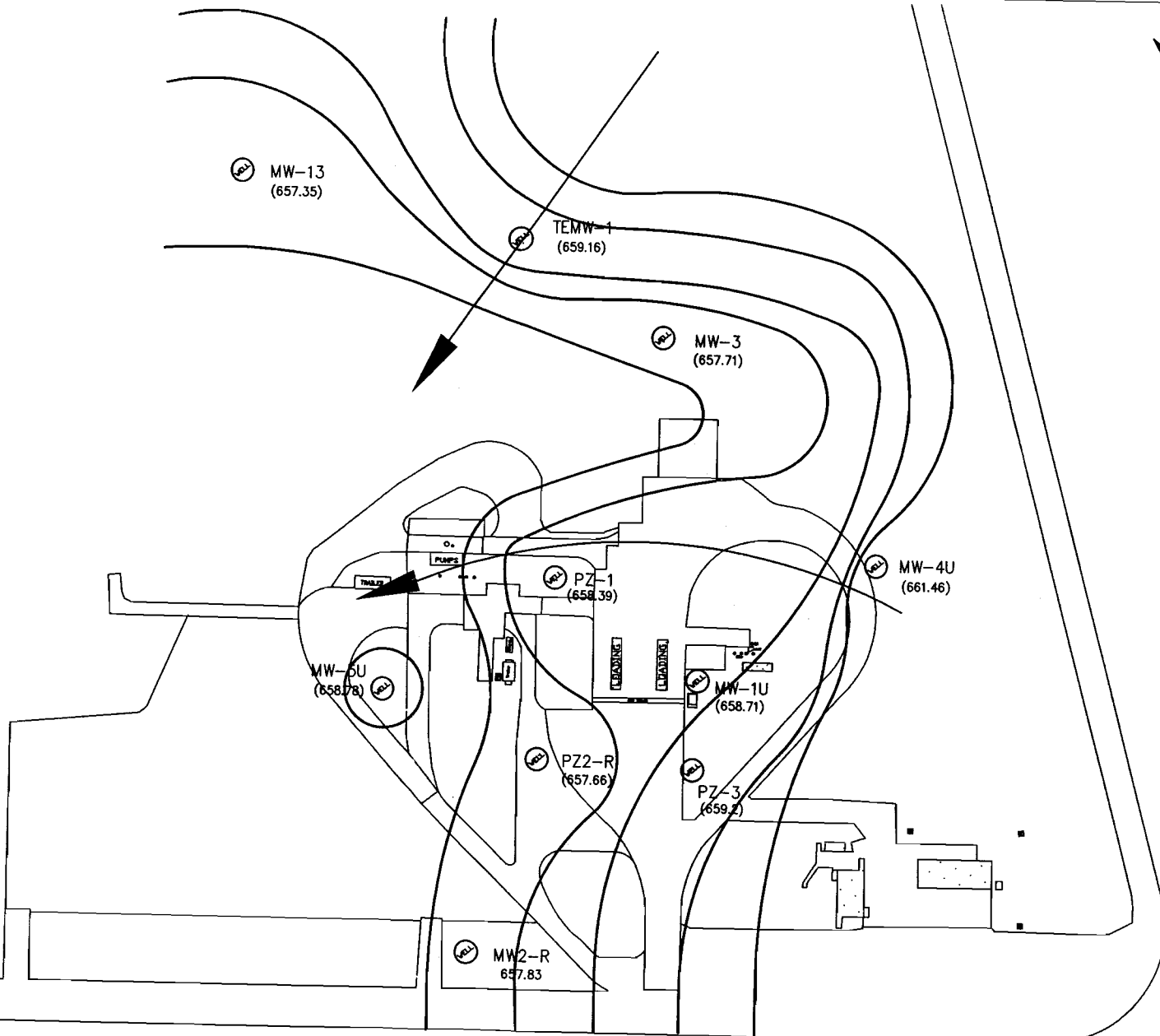
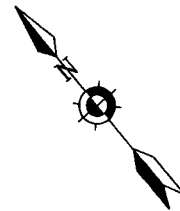
DRAWN BY: TWP	CHECKED BY: DRM	APPROVED BY: L.F.	PROJECT NUMBER: 03798.421	DATE: 03/01/04	SCALE: 1 inch = 200 feet
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Last saved date/time: 04/20/00 02:13pm

Plotted by: kurt\_d

Drawing created: 04/21/95 10:28am

Scale: 1



657.00 658.00 659.00 660.00 661.00

MW2-R = GROUNDWATER MONITORING WELL  
657.00 = GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL

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

**GROUNDWATER FLOW DIRECTION MAP**

**HYDRANT FUEL FARM (HFF)  
GENERAL MITCHELL INTERNATIONAL AIRPORT**

FIGURE  
**3**

\\CMIB\KNA11-17.dwg

Last saved date/time: 04/20/00 02:13pm

Plotted by: kurt\_d

DRAWN BY: TWP CHECKED BY: DRM APPROVED BY: L.F.

PROJECT NUMBER: 03798.421 DATE: 03/01/04 SCALE: 1 inch = 200 feet

Drawing created: 04/21/95 10:28am

Scale: 1



MILWAUKEE  
COUNTY  
PARK  
SYSTEM

SCOTT WALKER  
County Executive

SUE BLACK  
Parks Director

June 9, 2005

Brenda Boyce, PG  
Hydrogeologist  
Wisconsin Department of Natural Resources  
2300 N MLK, Jr. Drive  
Milwaukee, WI 53212

RE: Attachment to Groundwater GIS Registry-Legal Description Statement

Dear Ms. Boyce:

This letter affirms that the legal description below is correct for the following:

General Mitchell International Airport-Hydrant Fuel Farm  
5300 South Howell Ave  
Milwaukee, WI  
BRRTS # 03-41-098832  
Parcel I.D. # 640-9999-117

Legal description

LEGALS LANDS IN 1/4 SECS (NW & SW 27 & SE-SW-NE-NW 28 & NE 32  
& NW  
DESCRIPTION 34 & SE-SW-NE-NW 33)-6-22  
LANDS & SUBDS BETW (E LAYTON AV-CITY LIMITS LI-58.50 ACS M/L  
WIS STATE ARMORY BOARD LANDS IN NE 1/4 SEC 33 & NW 1/4 SEC 3  
4-6-22-N & W LI SW 1/4 SEC 34-6-22-E COLLEGE AV-(S 528' OF E  
660' & S 484' OF W 600' OF E 1320') SW 1/4 33-6-22 EXC ST-W  
LI SE 1/4 SEC 33-6-22-NW 1/4 SEC 33-6-22 EXC (S 330' OF E  
660' & S 165' M/L OF W 1330' M/L & ST)-NE 1/4 SEC 32-6-22 EX  
C (S231' OF E 900' & E 23.50' M/L ON S LI OF W 56.50' OF S  
231' & AIRPORT SPUR FREEWAY & STS) & E LI OF S HOWELL AV IN  
SW & NW 1/4 SECS 28-6-22

Sincerely,

Tim Detzer  
Environmental Engineer  
Milwaukee County -Environmental Services

9480 Watertown Plank Road, Wauwatosa, WI 53226, (414) 257-6100 TTY: (414) 257-8193 Fax: (414) 257-6466  
[www.countyparks.com](http://www.countyparks.com)

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