

### Source Property Information

**BRRTS #:**  (No Dashes)

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**PECFA#:**

**\*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)*

#### Continuing Obligations:

- 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)*

**Note:** Comments will not print out.

#### 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 #: 03-41-113042 (No Dashes) PARCEL ID #: 640-9999118  
ACTIVITY NAME: Unocal Truck Rack WTM COORDINATES: X: 691446 Y: 277623

**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 #: A Title: Certified Survey Map for Milwaukee County Airport**
- 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 #: 1a, 3 Title: Site Utilities Plan View Map, Hydrant Fuel Farm / Unocal Site Plan**
- 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 #: 2, 3 Title: Hydrant Fuel Farm - Area 1, Hydrant Fuel Farm - Area 2**

BRRTS #: 03-41-113042

ACTIVITY NAME: Unocal Truck Rack

**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 #: 2a                      Title: Groundwater Sample Results and Isoconcentration Map**

**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 #: 3                      Title: Groundwater Flow Direction Map**

**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, 2                      Title: Soil Sample Results - Area 1, Soil Sample Results - Area 2**

**Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

**Table #: 1                      Title: Groundwater Sample Analytical Results**

**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 #: 1                      Title: Groundwater Sample Analytical Results**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

**Not Applicable**

**Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

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

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

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

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

BRRTS #: 03-41-113042

ACTIVITY NAME: Unocal Truck Rack

## 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.*

**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:**

**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  
Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee WI 53212-3128

Scott Walker, Governor  
Cathy Stepp, Secretary  
John Hammen, Acting Regional Director  
Telephone 414-263-8500  
FAX 414-263-8606  
TTY Access via relay - 711



October 9, 2012

Greg Failey  
Environmental Manager  
General Mitchell International Airport  
5300 S. Howell Ave  
Milwaukee, WI 53207

SUBJECT: Final Case Closure  
Unocal Truck Rack at General Mitchell International Airport,  
5300 S. Howell Ave, Milwaukee, WI  
FID #241280270 WDNR BRRTS #03-41-113042

Dear Mr. Failey:

On October 8, 2012, the Southeast Region of the Department of Natural Resources (DNR) reviewed the case identified above for closure. The DNR reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases.

On September 23, 2012, the DNR received a letter from your consultant, Linda Fellenz, with LF Green Development, LLC. In her letter, Ms. Fellenz clarified that the investigation and remediation activities performed for an adjacent site, the Hydrant Fuel Farm (HFF) (BRRTS #03-41-098832), were completed in conjunction with the Unocal Truck Rack case. We have reviewed the files for both cases and are in agreement with Ms. Fellenz. All remediation work was performed for both cases and all documents submitted to the DNR listed both BRRTS numbers, except for the 2004 closure request. The closure request included maps and sampling points from both areas. Therefore, the date of closure for the Unocal Truck Rack case will be June 7, 2005, which is the closure date for the HFF case. Similar to the HFF case, this case will be listed on the GIS Registry for both residual soil and groundwater contamination.

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.

#### GIS Registry

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

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

This letter and information that was submitted to the DNR 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/topic/Brownfields/rasm.html>. 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 DNR 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>.

#### Residual Soil Contamination

Residual soil contamination remains along the north and northwest walls of the excavation in Area 2 as shown in Figure 3 – “Hydrant Fuel Farm, Area 2” and in the information submitted to the DNR. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered soil or hazardous waste and ensure that any storage, treatment, or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

#### Residual Groundwater Contamination

Groundwater impacted by benzo (a) pyrene contamination greater than enforcement standards set forth in ch. NR 140, Wis. Adm. Code, is present on this contaminated property, as shown on Figure 2a – “Groundwater Sample Results and Isoconcentration Map”.

#### Dewatering Permits

The DNR's Watershed Management Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/org/water/wm/>.

#### Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for benzene at MW-4U, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene at MW-1U, and benzo (b) fluoranthene at MW2-R, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The DNR may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. (Note: At this site, the point of standards application is all points where groundwater is monitored.)

4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the DNR believes that these criteria have been or will be met due to actions that have occurred at this site. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for benzene at MW-4U, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene at MW-1U, and benzo (b) fluoranthene at MW2-R. Please keep this letter, because it serves as your exemption.

The enclosed DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection" explains a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

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 questions regarding this letter or the project, please contact the Project Manager, Eric Amadi at (414) 263-8639.

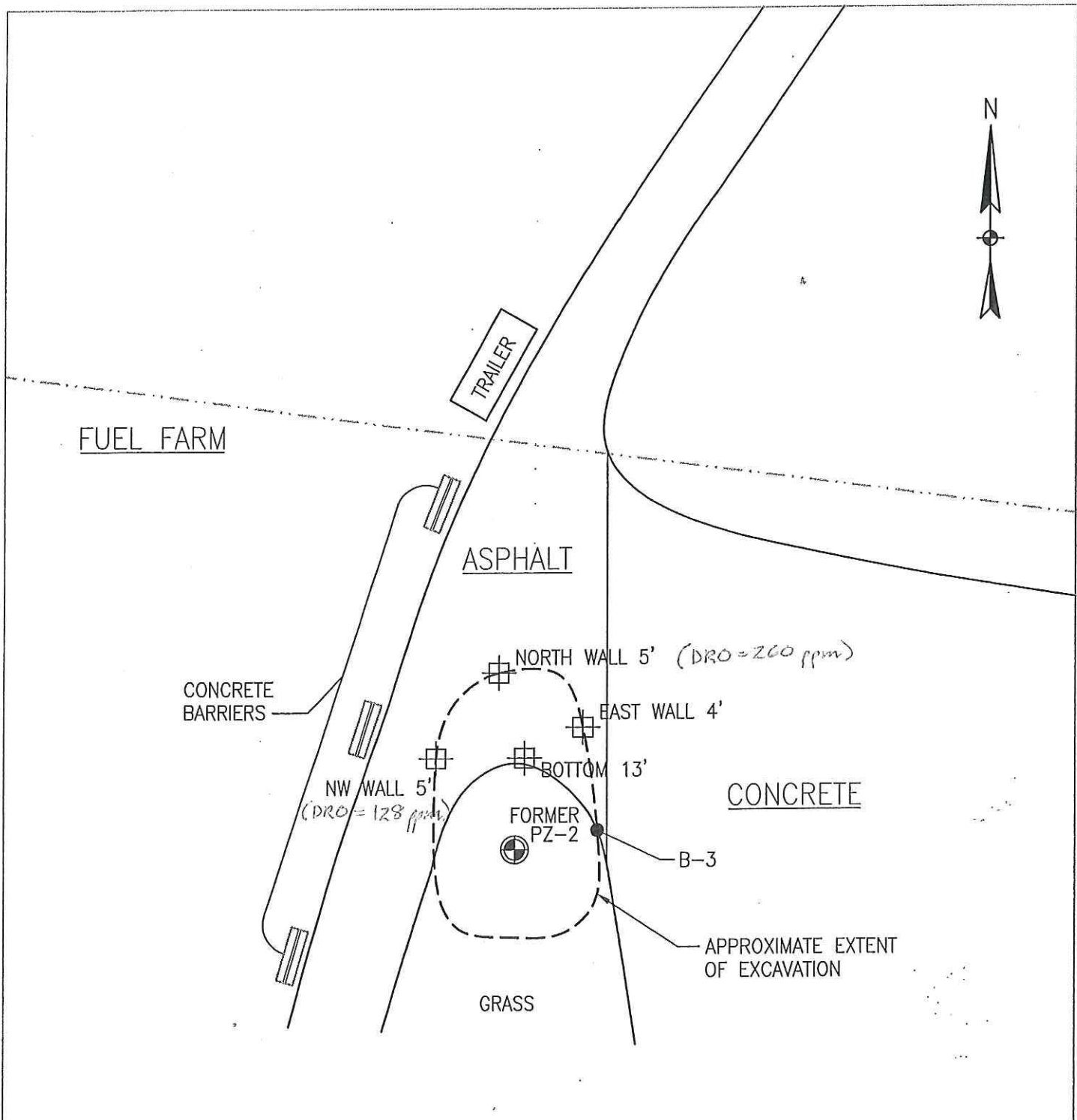
Sincerely,



Michele R. Norman  
Hydrogeologist  
Remediation and Redevelopment Program

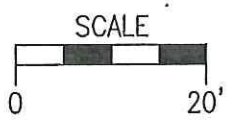
Enclosures: Figure 3 – "Hydrant Fuel Farm, Area 2"  
Figure 2a – "Groundwater Sample Results and Isoconcentration Map"

cc: Linda Fellenz, LF Green Development, LLC, PO Box 370888, Milwaukee, WI 53237  
DNR case file



**LEGEND**

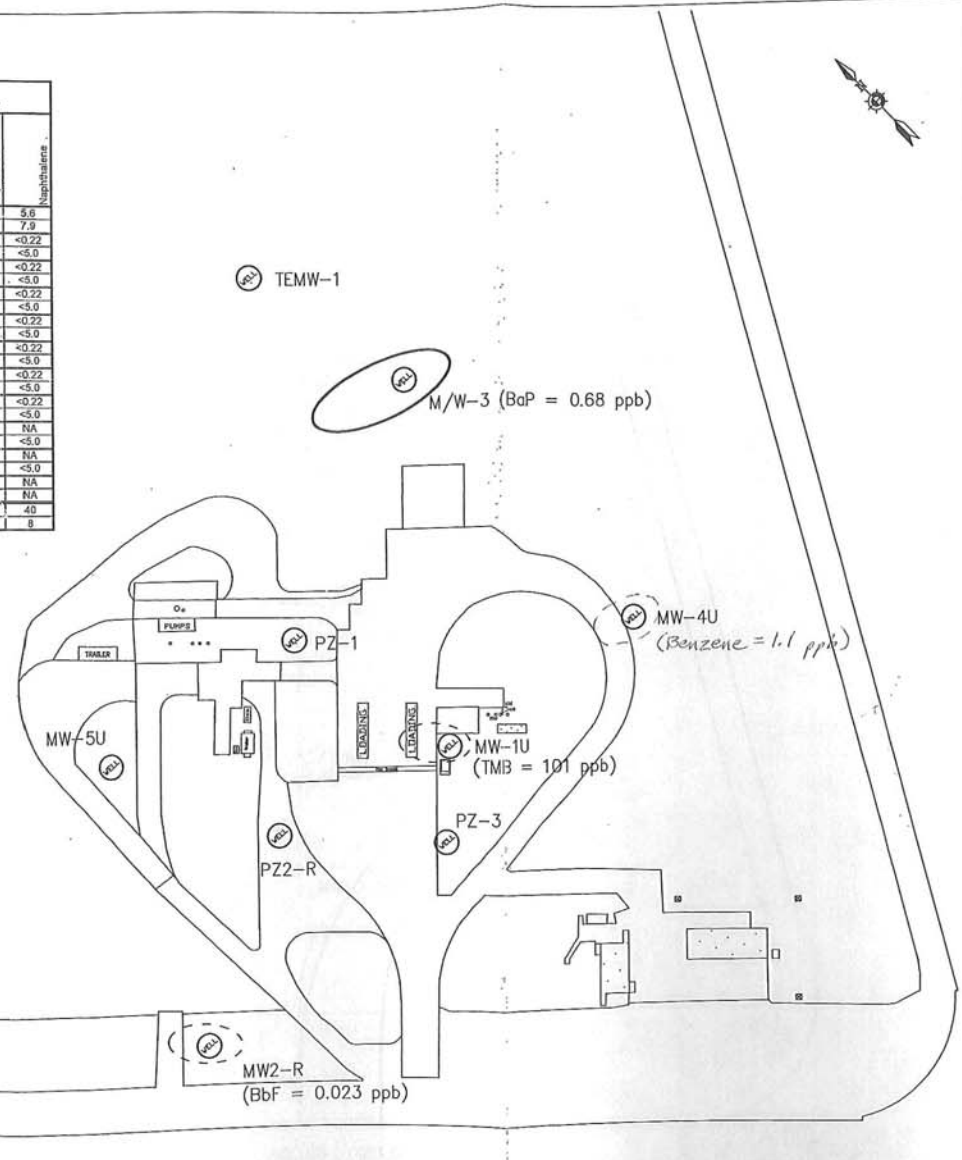
- UNDERGROUND FUEL LINE
- ⊠ NORTH WALL 5' SOIL SAMPLE LOCATIONS (AND DEPTH)
- ⊙ PZ-2 ABANDONED WELL





Sample #	Top of Casing Elevation (ft msl)	Water Level (ft bgs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)										PAHs							
					Benzene	Ethylbenzene	MX/E	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benzene (a) Pyrene	Benzene (b) Fluoranthene	Benzene (k) Fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene				
MW-IU	868.36	8.62	859.54	7/18/2003	<0.89	9.6	<0.60	<0.88	83	30	8.8	0.07	0.04	<0.01	0.05	13	7	5.6				
		9.65	858.71	1/21/2004	<1.8	14	<1.2	<1.8	70	37	10.5	<0.02	<0.02	<0.02	<0.02	21	9.4	7.9				
MW-4U	865.91	3.97	861.94	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		4.45	861.46	1/21/2004	1.1	0.68	<0.30	0.86	<0.63	<0.62	2.15	<0.02	<0.02	<0.02	<0.01	<0.13	<0.18	<0.22				
MW-5U	867.94	7.39	860.55	7/18/2003	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.02	<5.0	<5.0	<5.0				
		9.18	858.78	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
MW-3	869.16	10.75	858.41	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		11.45	857.71	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				
MW-13	868.95	10.89	858.06	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		11.8	857.35	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	<5.0				
PZ-1	868.90	9.38	859.58	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		10.57	858.39	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	<5.0				
PZ-3	867.94	7.33	860.31	7/18/2003	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		8.44	859.2	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	<5.0				
TEMW-1	869.16	9.2	859.86	7/18/2003	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22	<5.0				
		10	859.16	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	<5.0				
PZ2-R	867.66	9.22	858.44	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	857.69	1/21/2004	<0.44	<0.57	7.8	<0.44	<0.63	<0.62	<1.48	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0	<5.0				
MW2-R	867.27	9.92	857.35	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.78	NA	NA	NA	NA	NA	NA	NA				
		8.44	857.63	3/3/2004	<0.5	<5.0	<0.511	<5.0	<5.0	<5.0	<5.0	<0.023	<0.1	<0.02	<5.0	<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	1/21/2004	<0.44	<0.57	7.8	<0.44	<0.63	<0.62	<1.48	NA	NA	NA	NA	NA	NA	NA				
NR 141 Enforcement Standard (ES)					6	700	60	1,000	480	10,000	0.2	0.2	NS	0.2	NS	NS	NS	8				
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	86	1,000	0.02	0.02	NS	0.02	NS	NS	NS	8				

- ⊙ MW2-R = GROUNDWATER MONITORING WELL
- ⊖ = CONCENTRATION EXCEEDING THE NR 140 PAL
- = CONCENTRATION EXCEEDING THE NR 140 ES



<b>LEGEND:</b> M/W-3 (BaP = 0.68 ppb) = CONTAMINANT CONCENTRATION IN PARTS PER BILLION	<b>KAPUR &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS MILWAUKEE, WISCONSIN 414.351.6668	<b>GROUNDWATER SAMPLE RESULTS AND ISOCONCENTRATION MAP</b>			<b>HYDRANT FUEL FARM (HFF)</b> GENERAL MITCHELL INTERNATIONAL AIRPORT			<b>FIGURE 2a</b>
		GRAB BY: THP    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		



## 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



## 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

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.

GMIA - Hydrant Fuel Farm

November 3, 2004

Page 2 of 2

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 at the end.

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

c: Linda Felenz -Kapur & Associates

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

..... party of the first part, and  
Milwaukee County, a municipal body corporate,  
~~corporation~~ 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, ha... 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

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 of the first part has hereunto set her hand and seal this 24 day of April, A. D., 1941

SIGNED AND SEALED IN PRESENCE OF

James N. Horan  
Cora N. Smith

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

State of Wisconsin, ss.  
Milwaukee County.

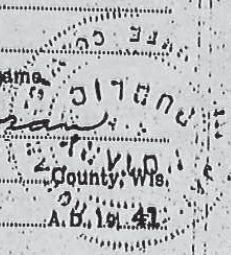
Personally came before me, this 24 day of April, A. D., 1941

the above named Veronica M. Watry

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

James N. Horan  
Notary Public, Milwaukee County, Wis.

My commission expires October 26, A. D., 1941



No. 2313393

Veronica M. Watry

to

Milwaukee County

Warranty Deed

REGISTER'S OFFICE,

State of Wisconsin,

MILWAUKEE

County

Received for Record this 9 day of

MAY 9 1941

A. D. 19

at 11:00 o'clock P. M., and recorded in

Vol. 1724 of Deeds on page 349

Charles W. Winkler  
Register of Deeds

Deputy

Approved as to form and  
Subscribed April 7, 1941  
Ed. C. Kelly  
Deputy Clerk

WISCONSIN LEGAL BLANK CO.  
MILWAUKEE, WISCONSIN

NW & SW 27-6-22 - A.P. 629 & 638 **640-673-684-675** 640-01  
 SEC. 28-6-22 - ATLAS P. 627-628-639-640 SCALE 1/200' = 1"  
 SEC. 33-6-22 - ATLAS P. 674-673-685-686 **LANDS**  
 NW & SW 34-6-22 - ATLAS P. 675 & 684 FEB - 2 1998  
 NE 32-6-22 ATLAS P. 672

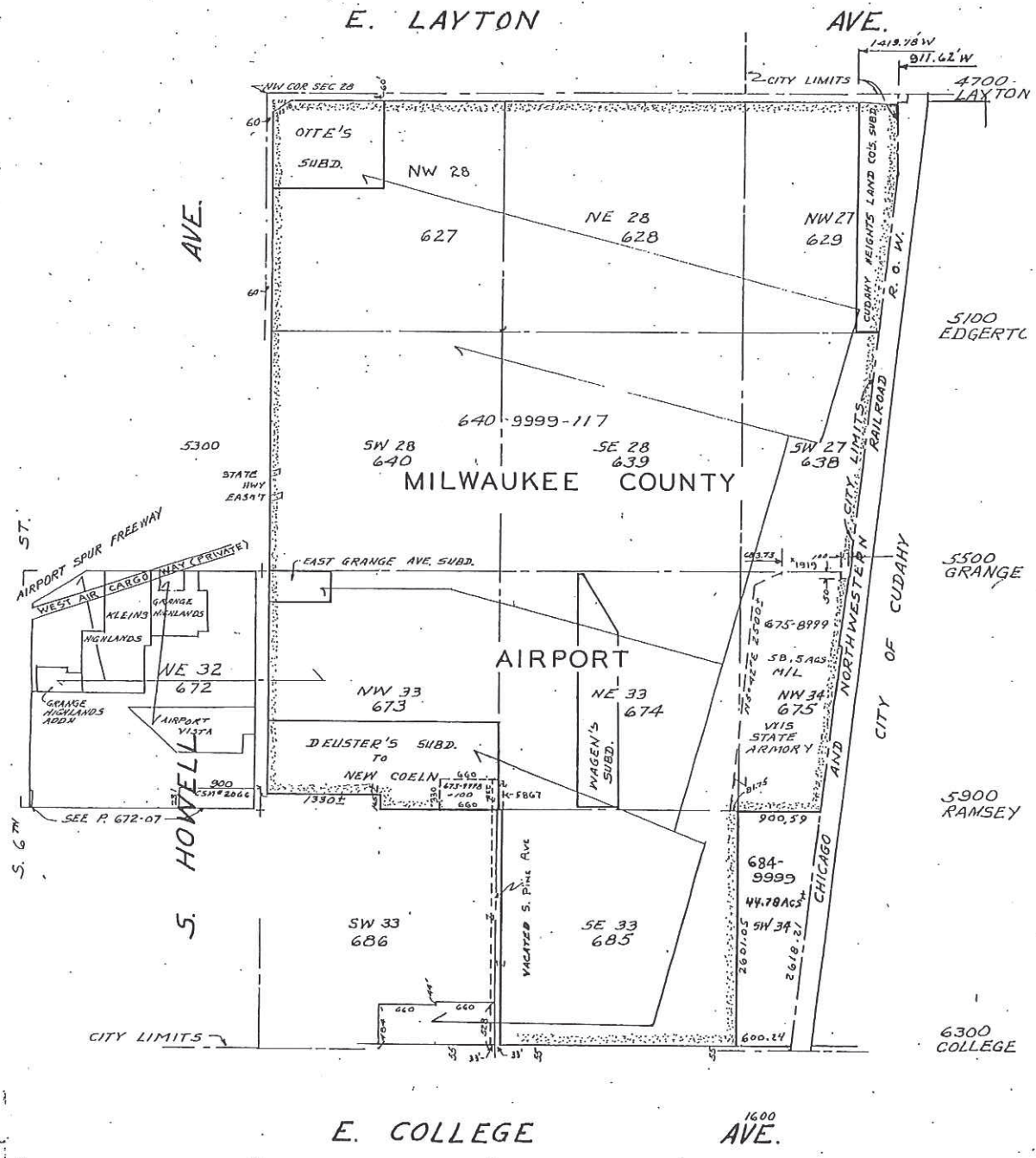
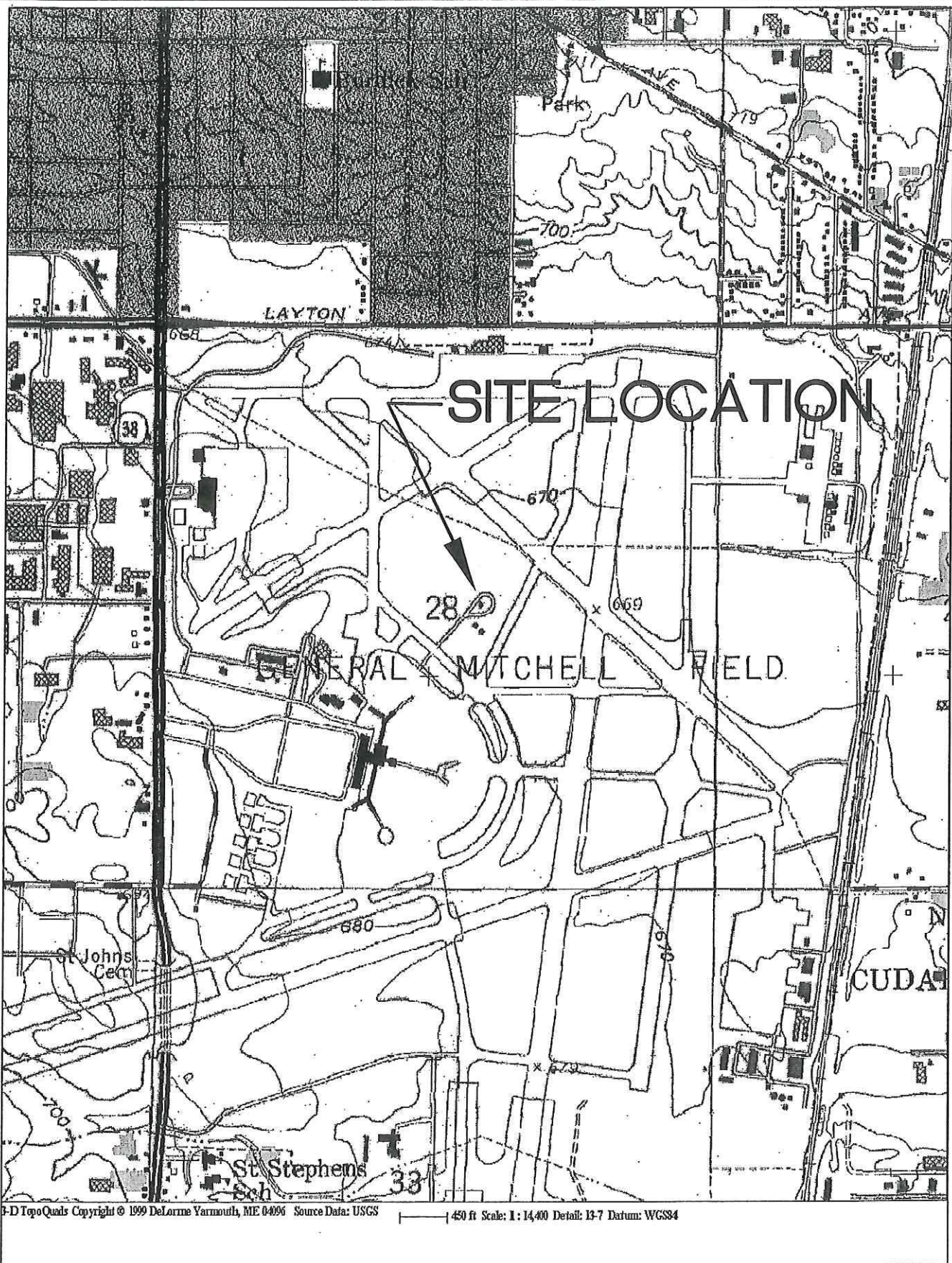


Figure A  
 Certified Survey Map for  
 Milwaukee County Airport

MICROFILMED 600



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 450 ft Scale: 1:14,400 Detail: 13-7 Datum: WGS84



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

# SITE LOCATION MAP

FIGURE  
**1**

SOURCE: USGS 1976 (GREENDALE QUADRANGLE)

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

DRAWN BY: TWP

CHECKED BY: LJJ

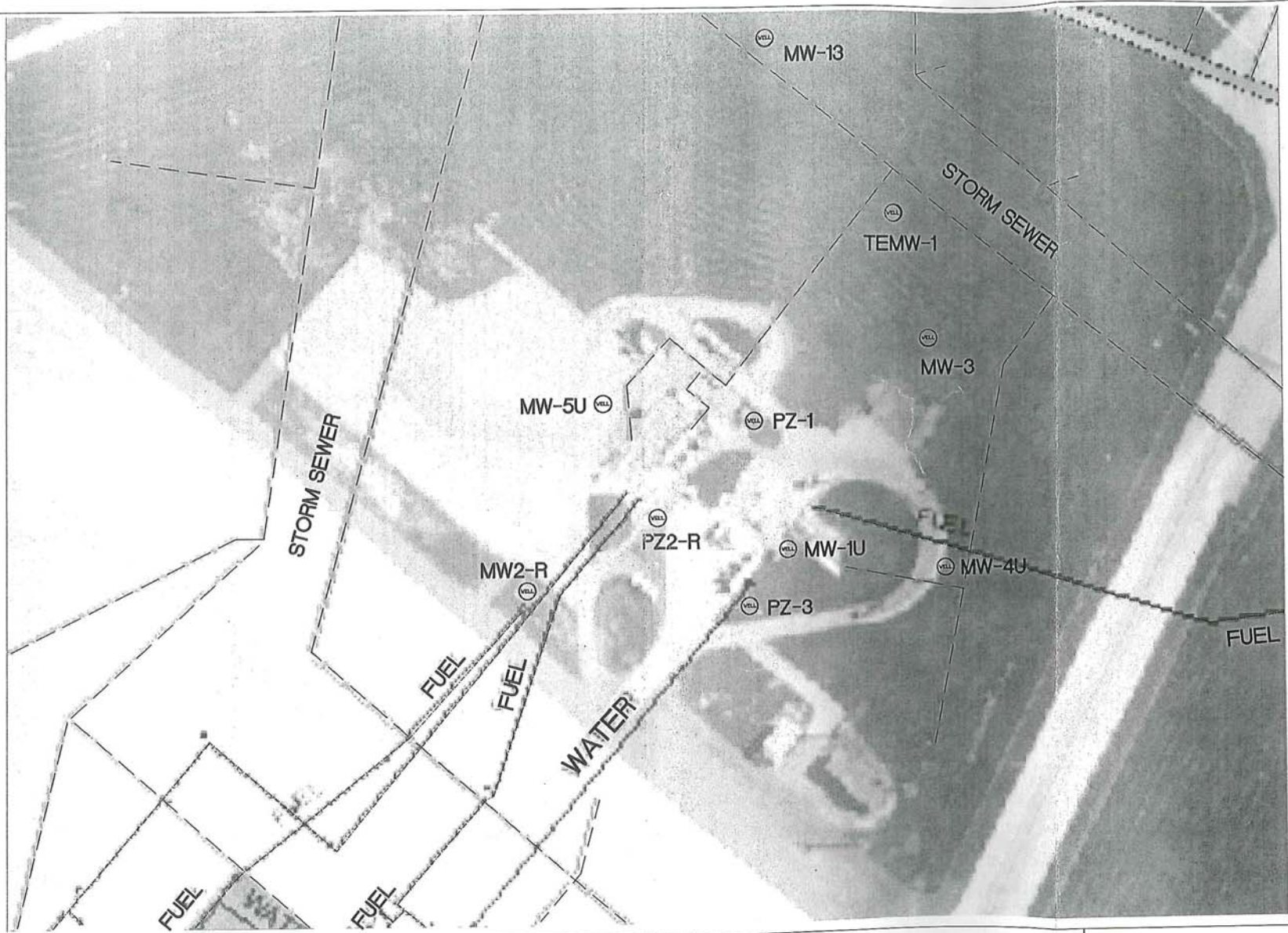
APPROVED BY: LJJ

PROJECT NUMBER: 03798.421

DATE: 08/26/03

REVISED DATE:





LEGEND:  
 (MW) MW2-R = GROUNDWATER MONITORING WELL

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

**SITE UTILITIES PLAN VIEW MAP**

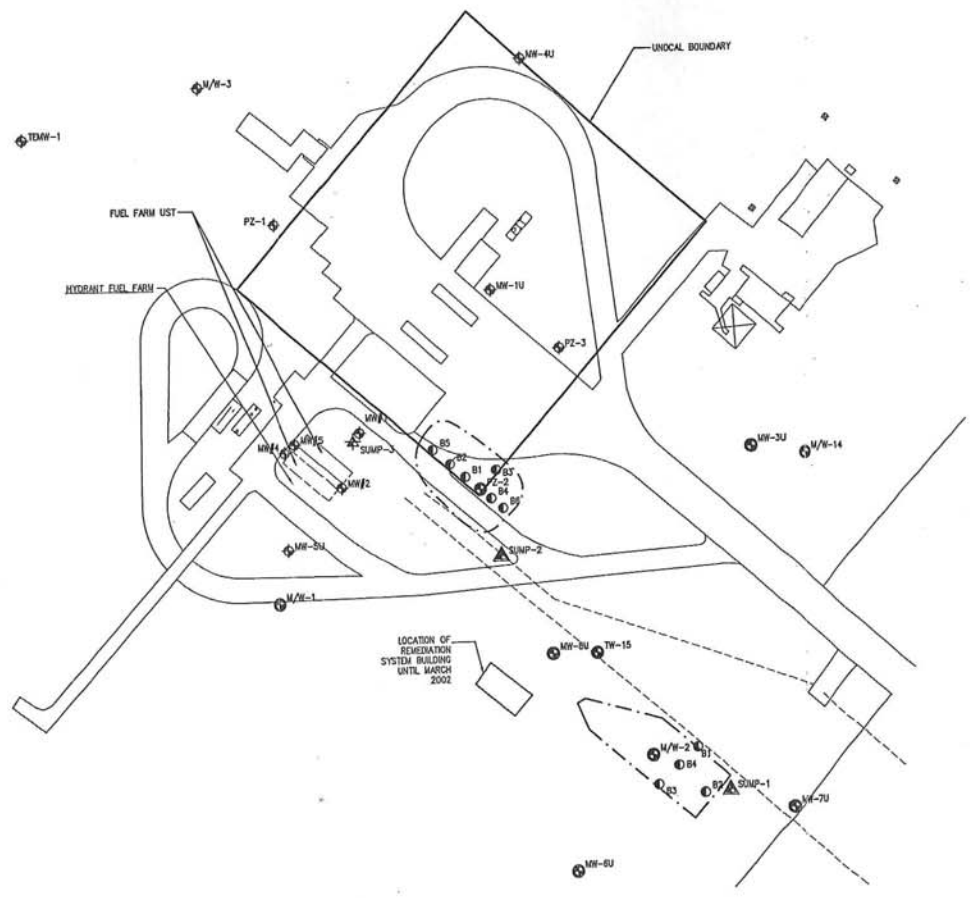
**HYDRANT FUEL FARM (HFF)**  
**GENERAL MITCHELL INTERNATIONAL AIRPORT**

FIGURE  
**1a**

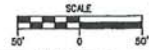
DRAWN BY: TWP	CHECKED BY: DRM	APPROVED BY: L.J.F.	PROJECT NUMBER: 03798.421	DATE: 4/2/04	SCALE:
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DRAFT



- LEGEND:**
- ⊕ MW-4U MONITORING WELL LOCATION
  - ⊕ SUMP-1 EXTRACTION SUMP APPROXIMATE LOCATION
  - ⊕ MW-1 ABANDONED WELLS
  - ⊕ SUMP-1 ABANDONED SUMPS
  - NM NOT MEASURED
  - - - EXISTING FUEL LINES
  - ⊕ B1 SCOPE LOCATIONS, ABANDONED AS PART OF EXCAVATIONS
  - - - EXTENT OF RESIDUAL FREE PRODUCT SOIL EXCAVATION



Project: W023566 (000001) 003-W023566\_B0000.dwg Jul 24, 2002 - 3:53 pm mcaas

**TRE TRIAD ENGINEERING INCORPORATED**

325 East Chicago Street  
 Milwaukee, Wisconsin 53202  
 (414)-291-8840  
 FAX 291-8841

- MUNICIPAL ENGINEERING
- INDUSTRIAL PROCESSES
- REMEDIATION SERVICES
- ENVIRONMENTAL STUDIES
- AIR EMISSIONS ASSISTANCE
- WASTEWATER PRETREATMENT
- ENVIRONMENTAL COMPLIANCE
- CONSTRUCTION MANAGEMENT
- HAZARDOUS MATERIALS MANAGEMENT
- INFRASTRUCTURE SERVICES

**VERIFY SCALE**  
 BAR IS ONE INCH ON ORIGINAL DRAWING.  
 0 1' IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DSGN					
DR	EJM				
CHK					
APVD					
NO.	DATE	REVISION	BY	APVD	

**GENERAL MITCHELL INTERNATIONAL AIRPORT MILWAUKEE, WISCONSIN**

**FIGURE 3  
 HYDRANT FUEL FARM/UNOCAL  
 SITE PLAN**

SHEET NO.	FIGURE 3
CRIP NO.	C-3
DATE	Jul 2002
PROJ. NO.	W023566 B0000



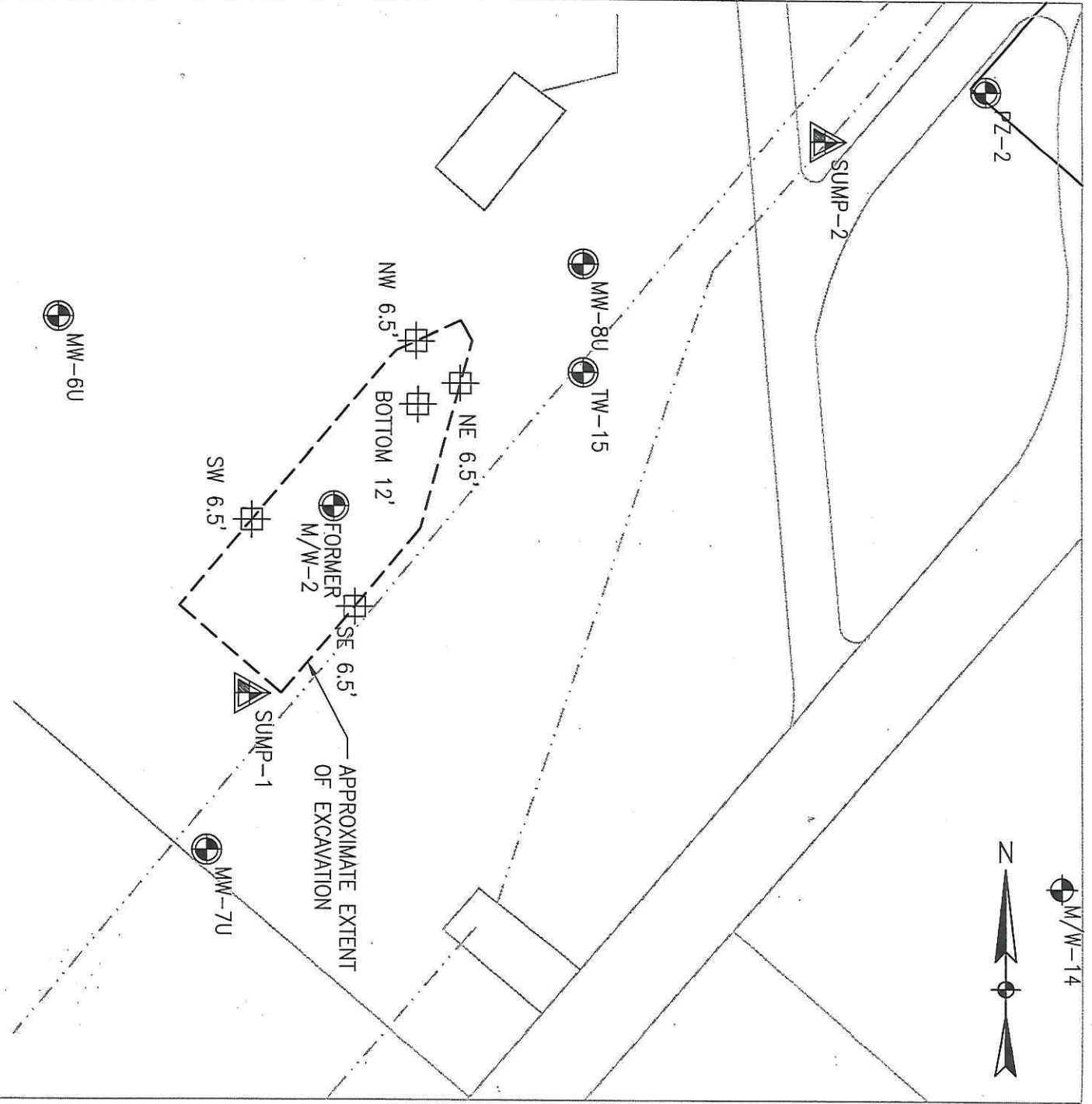
DSGN	JMR
DR	EHM
CHK	
APP'D	

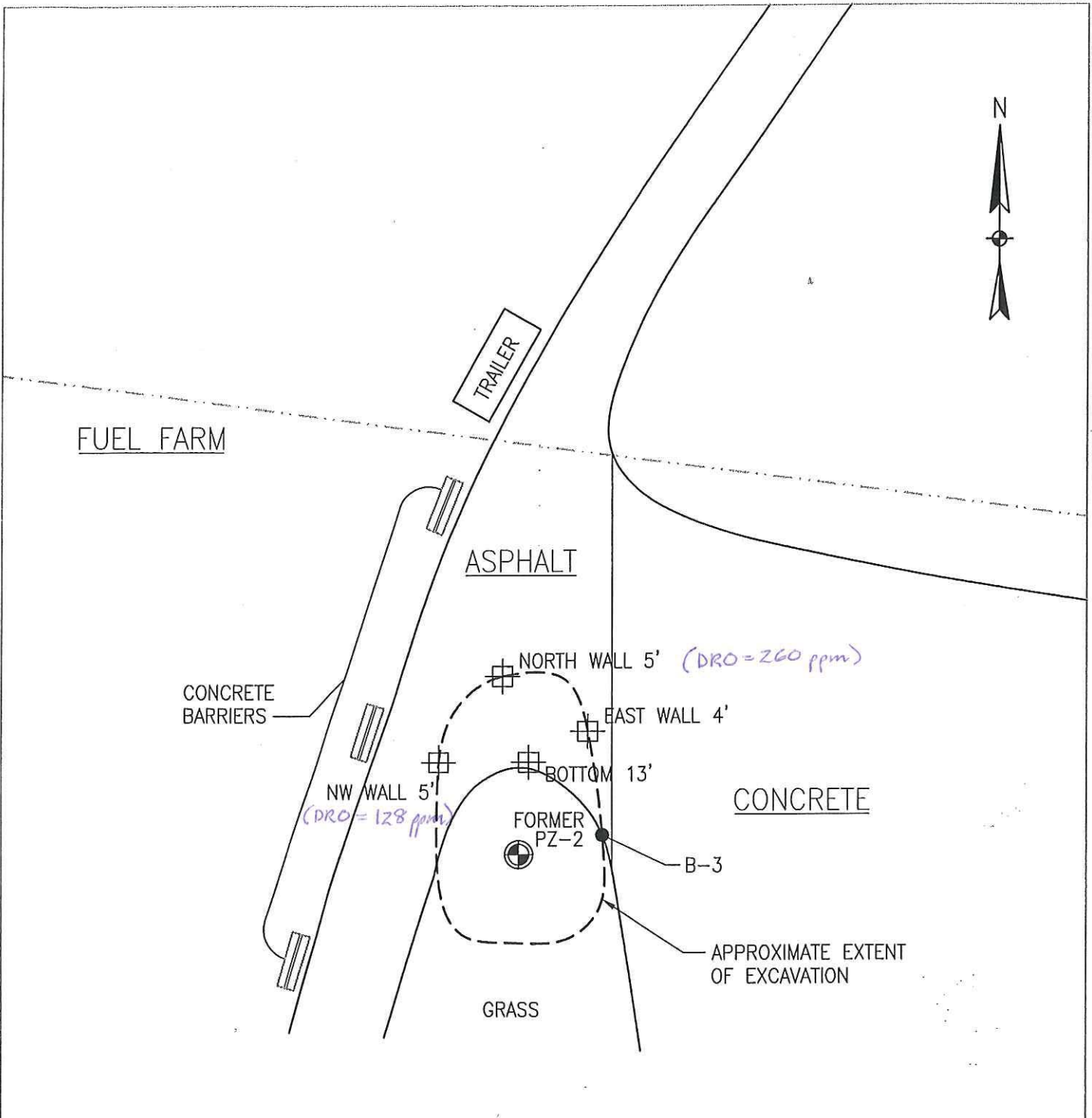
GENERAL MITCHELL  
INTERNATIONAL AIRPORT  
MILWAUKEE, WISCONSIN

FIGURE 2  
HYDRANT FUEL FARM  
AREA 1

SHEET NO.	FIGURE 2
DWG NO.	06-W023566
DATE	Sep 2003
PROJ NO.	W023566 B60002

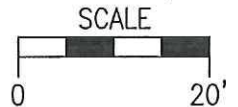
- LEGEND**
- UNDERGROUND FUEL LINE
  - SOIL SAMPLE LOCATIONS (AND DEPTH)
  - ABANDONED MONITORING WELLS
  - ABANDONED SUMP





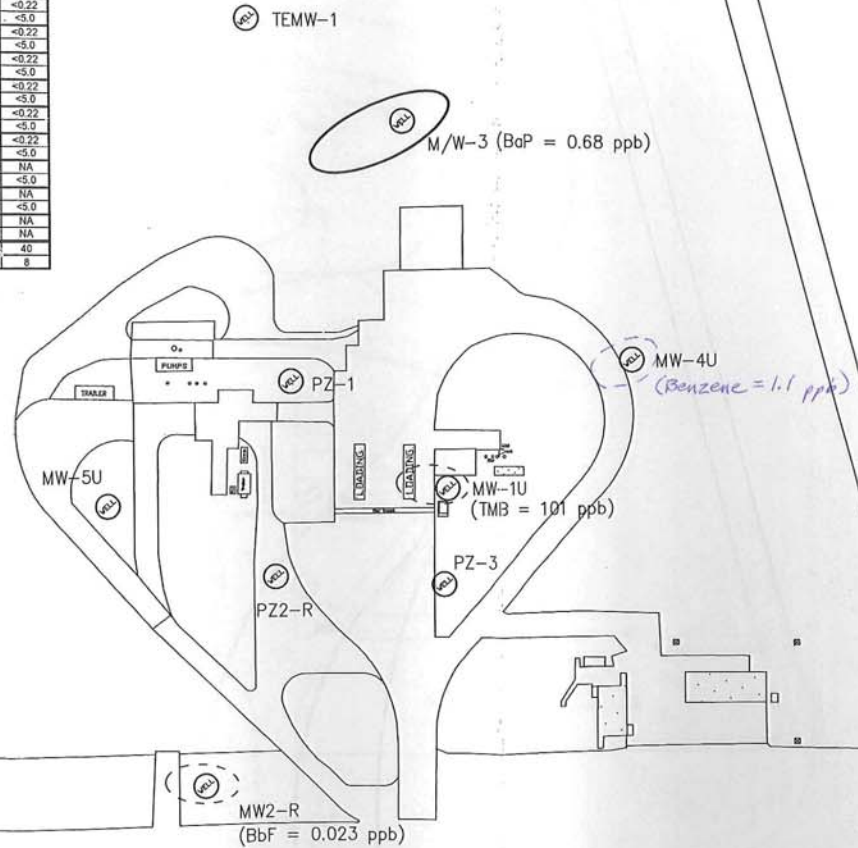
**LEGEND**

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



Sample #	Top of Casing Elevation (ft msl)	Water Level (ft lbs)	Groundwater Elevation (ft msl)	Date Collected	PVOC (ppb)										PAHs							
					Benzene	Ethylbenzene	MXBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylene	Benz (a) pyrene	Benz (b) fluoranthene	Benz (k) fluoranthene	Chrysene	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene				
MW-1U	668.36	8.82	659.54	7/18/2003	<0.89	9.6	<0.60	<0.88	63	30	8.8	0.07	0.04	<0.01	<0.02	<0.02	<0.02	21	9.4	7.9	5.6	
		9.65	658.71	1/21/2004	<1.5	14	<1.2	<1.8	70	37	10.5	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22		
MW-4U	665.91	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	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0		
		4.45	661.46	1/21/2004	<0.89	<1.1	<0.60	<0.88	<1.3	<1.2	<2.95	0.03	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22			
MW-5U	667.94	7.38	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	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0			
MW-3	669.16	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	<0.01	<0.13	<0.18	<0.22				
		11.45	657.71	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22				
MW-13	668.95	10.89	658.06	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				
		11.6	657.35	1/21/2004	<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				
PZ-1	668.96	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	<0.01	<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	<5.0	<5.0	<5.0				
PZ-3	667.94	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	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0				
MW-3	669.16	9.2	659.96	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				
		10	659.16	1/21/2004	<0.44	<0.57	<0.30	<0.44	<0.63	<0.82	<1.48	<0.01	<0.01	<0.01	<0.01	<0.13	<0.18	<0.22				
TEMW-1	667.66	9.22	658.44	7/18/2003	<0.27	<0.25	<0.39	<0.29	<0.30	<0.34	<0.76	NA	NA	NA	NA	NA	NA	NA				
		9.97	657.69	1/21/2004	<0.44	<0.57	7.6	<0.44	<0.63	<0.82	<1.48	<0.02	<0.02	<0.02	<0.02	<5.0	<5.0	<5.0				
PZ2-R	667.27	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				
		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				
MW2-R	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				
		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	1/21/2004	<0.44	<0.57	7.6	<0.44	<0.63	<0.82	<1.48	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	1,000	0.02	0.02	NS	0.02	NS	NS	NS	NS				
NR 141 Preventive Action Limit (PAL)					0.5	140	12	200	96	1,000	0.02	0.02	NS	0.02	NS	NS	NS	NS				

- ⊙ MW2-R = GROUNDWATER MONITORING WELL
- ( ) = CONCENTRATION EXCEEDING THE NR 140 PAL
- = CONCENTRATION EXCEEDING THE NR 140 ES



LEGEND:  
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**

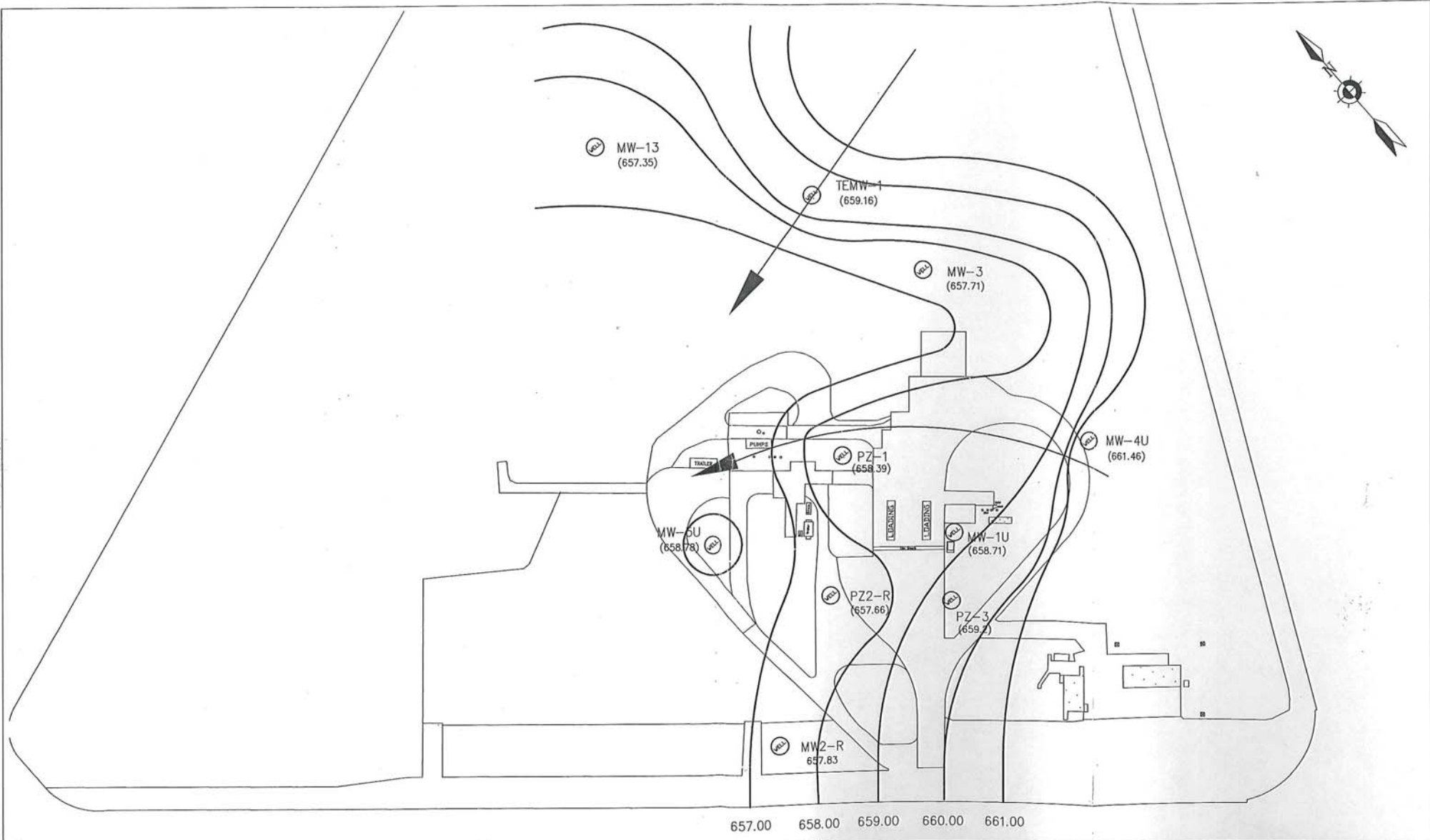
**HYDRANT FUEL FARM (HFF)  
GENERAL MITCHELL INTERNATIONAL AIRPORT**

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

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

Scale: 1



**LEGEND:**

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

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

**GROUNDWATER FLOW DIRECTION MAP**

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

**FIGURE**  
**3**

DRAWN BY: TWP	CHECKED BY: DRM	APPROVED BY: L.J.F.	PROJECT NUMBER: 03798.421	DATE: 03/01/04	SCALE: 1 inch = 200 feet
---------------	-----------------	---------------------	---------------------------	----------------	--------------------------

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

Scale: 1

**TABLE 1**  
**SOIL SAMPLE RESULTS AREA 1 (M/W-2)**  
**GENERAL MITCHELL INTERNATIONAL AIRPORT**  
**MILWAUKEE, WISCONSIN**

Sample ID	SE 6.5'	BOTTOM 12'	SW 6.5'	NE WALL 6.5'	NW WALL 6.5'	NR720/746 Standards *
Date Collected	4/22/2002	4/22/2002	4/22/2002	4/22/2002	4/22/2002	
Depth (feet)	6.5	12	6.5	6.5	6.5	
<b>DRO (mg/kg)</b>	<6.08	<6.23	<6.13	6.83	<6.05	100
<b>PAH (ug/kg)</b>	ND	ND	ND	ND	ND	----
<b>VOC (ug/kg)</b>						
1,2,4 trimethylbenzene	<25	<25	<25	<25	379	83,000
total xylenes	<25	<25	<25	<25	81.1	42,000

NR720 RCL GW PROTECTION

NR746 SSL

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 respective laboratory reporting limit (see Laboratory Documentation)

GW- groundwater

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		
<b>DRO (mg/kg)</b>	<6.17	<b>128</b>	9.44	<b>260</b>	<b>100</b>	NR720 RCL GW Protection
<b>PAH (ug/kg)</b>						
benzo (a) pyrene	<6.17	20.6	<6.05	<6.17	88	NR720 Calculated Direct Contact RCL
2-methylnaphthalene	<123	156	<121	<123	20,000	NR720 Calculated GW Protection RCL
<b>VOC (ug/kg)</b>						
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**



**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)

(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.

**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
M/W-2	667	8.05	658.95	8/20/2001	FREE PRODUCT							FREE PRODUCT						
M/W-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  
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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	<0.02	<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	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  
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PVOC = petroleum volatile organic compound  
PAH = polynuclear aromatic hydrocarbon

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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  
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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