State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

GIS REGISTRY (Cover Sheet)

Form 4400-280 (R 7/12)

Source Property Information

CLOSURE DATE: Nov 1, 2012

BRRTS #: **02-41-556279** (No Dashes)

FID #: 241766800

ACTIVITY NAME: N GLANTZ AND SONS INC

DATCP #:

PROPERTY ADDRESS: 6900 W State St

PECFA#:

MUNICIPALITY: Wauwatosa

PARCEL ID #: 370-0218-04

***WTM COORDINATES:**

X: **683029** Y: **287975**

** 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*

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 3/10)

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

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

BRRTS #: 02-41-556279 *(No Dashes)* PARCEL ID #: 370-0218-04

ACTIVITY NAME: 6900 State Street WTM COORDINATES: X: 683029 Y: 287975

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

- [x] **Closure Letter**
- [x] **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)
- [x] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [ ] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [x] **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.

- [x] **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 #: H.2.1 **Title: SITE LOCATION AND LOCAL TOPOGRAPHY**
- [x] **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 #: H.2.2 **Title: Detailed Site Map**
- [x] **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 #: G.2.3 **Title: Extent of RCL Exceedances in Soil**

BRRTS #: 02-41-556279 ACTIVITY NAME: 6900 State Street

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 #: H.2.4 **Title: Cross Sections A-A'**

Figure #: H.2.5 **Title: Cross Sections B-B'**

☒ **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 #: H.2.6 **Title: Groundwater Sample Locations and Isoconcetration Map**

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

Figure #: H.2.7 **Title: Potentiometric Surface of Shallow Groundwater on January 10, 2011**

Figure #: H.2.8 **Title: Potentiometric Surface of Shallow Groundwater on March 28, 2011**

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 #: H.3.1 **Title: Soil Chemistry Data**

☒ **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 #: H.3.2 **Title: Groundwater Chemistry Data**

☒ **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 #: H.3.3 **Title: SURVEY AND GROUNDWATER ELEVATION MEASUREMENTS**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

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

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

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

BRRTS #: 02-41-556279 ACTIVITY NAME: 6900 State Street

NOTIFICATIONS

Source Property

☒ **Not Applicable**

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

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

Off-Source Property

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

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

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

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

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

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

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

November 1, 2012

State Street Retail, LLC
Jeffrey Metz, Manager
C/O RE Enterprises, LLC
P.O. Box 78 Hartland, WI 53028

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations, N. Gantz and Sons, Inc., 6900 West State Street Property, Wawautosa, Wisconsin, WDNR BRRTS Activity #: 02-41-556279, FID #: 241766800

Dear Mr. Metz:

The Department of Natural Resources (DNR) considers site name closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attached maintenance plan to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. Binyoti F. Amungwafor reviewed the request for closure on November 1, 2012. A conditional closure letter was issued by the DNR on September 27, 2011, and documentation that the conditions in that letter were met was received on September 14, 2012.

The cleanup and closure of this property was based on the property to be used for PNC Bank, National Association ("PNC Bank") and its associated sidewalks, driveway and parking areas. Responses included soil excavation of approximately 27, 000 cubic feet of soils impacted with arsenic and polycyclic aromatic hydrocarbons that exceed residual contaminant levels for the direct contact threat pathway. The impacted soils were trucked as special waste to the Waste Management Landfill in Menomonee Falls. The groundwater impact was limited to MW-6S for arsenic exceeding ch. NR 140 groundwater standards. The conditions of closure and continuing obligations required were based on the property being used for commercial, purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section, Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement and the building must be maintained over contaminated soil and the DNR must approve any changes to this barrier including a change to residential use.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/topic/wells/documents/3300254.pdf or at the web address listed below for the GIS Registry.

All site information is also on file at the Region Regional DNR office, at insert address. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property pavement, sidewalks, driveway and building foundation, as shown on the Figure G. 3.1, Current Site Features unless prior written approval has been obtained from the DNR:

- Removal of the existing barrier;
- Replacement with another barrier;
- Excavating or grading of the land surface;
- Filling on covered or paved areas;
- Plowing for agricultural cultivation;
- Construction or placement of a building or other structure;
- Changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

For all continuing obligations, the property owner, State Street Retail, LLC., P.O Box 78, Hartland Wisconsin 53929 is responsible for the continuing obligation.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which choose one: you OR the current property owner, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plans are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present both on this contaminated property as shown in Figure G.3.3, Extent of ES Exceedance and Potentiometric Surface.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains as indicated on the attached map, Figure G.3.2, Extent of RCL Exceedance. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable 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.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats.)

Impervious barrier required for the groundwater pathway and/or direct contact

The pavement, sidewalks, driveway, building and parking lot or other impervious cover that exists in the location shown on the attached map, Figure G.1.1 shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

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

This property may not be used or developed for a residential, agricultural or industrial use, unless prior written approval has been obtained from the DNR. An investigation and remedial action to meet applicable soil cleanup standards may be required at that time.

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality 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.

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/topic/wastewater/GeneralPermits.html. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

The following DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, was included with this letter, to help explain 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 send written notifications in accordance with the above requirements to The Southeast RR Program Office, 2300 N. Dr. Martin Luther King Jr. Drive, Milwaukee, WI 53212 to the attention of the Southeast RR Program contact, Project Manager or the Environmental Program Assistant.

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.

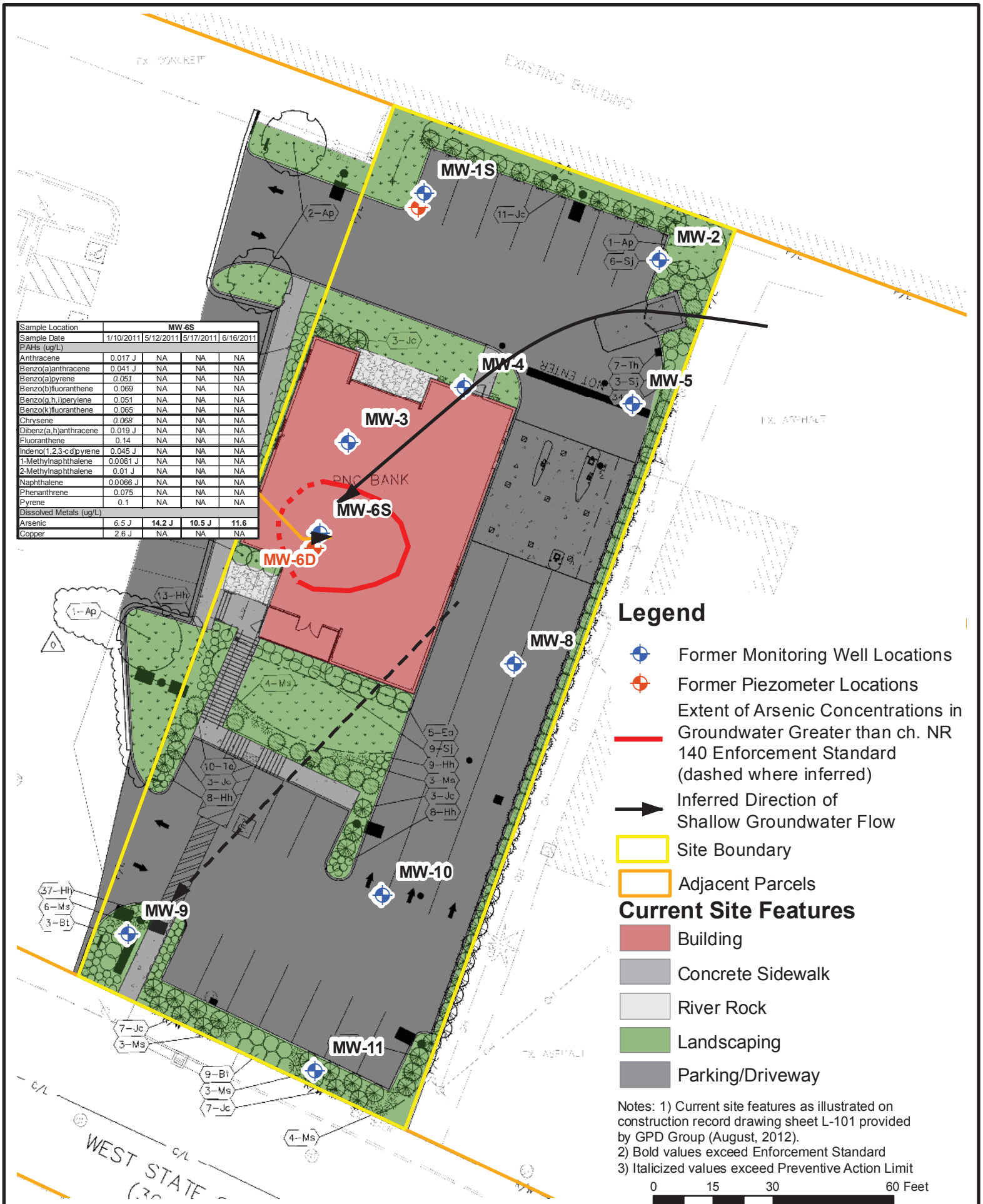
The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Binyoti F. Amungwafor at 414-263-8607.

Sincerely,

Pamela Mylotta, Team Supervisor
Southeast Remediation & Redevelopment Program

Attachments:
- Remaining groundwater contamination map, Figure G. 3.3
- Remaining soil contamination map, Figure G.3.2
- Extent of cap map, Figure G.3.1
- Maintenance plan
- RR 819

cc: Mr. Harris Byers, Symbiont Science, Engineering and Construction, LLC.
Ms. Jennifer Drury, Buzecky, Whyte, Hirschboeck, Dudek, S.C.
Case File



Sample Location	MW-6S			
Sample Date	1/10/2011	5/12/2011	5/17/2011	6/16/2011
PAHs (ug/L)				
Anthracene	0.017 J	NA	NA	NA
Benzo(a)anthracene	0.041 J	NA	NA	NA
Benzo(a)pyrene	*0.051*	NA	NA	NA
Benzo(b)fluoranthene	0.069	NA	NA	NA
Benzo(g,h,i)perylene	0.051	NA	NA	NA
Benzo(k)fluoranthene	0.065	NA	NA	NA
Chrysene	*0.068*	NA	NA	NA
Dibenz(a,h)anthracene	0.019 J	NA	NA	NA
Fluoranthene	0.14	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.045 J	NA	NA	NA
1-Methylnaphthalene	0.0061 J	NA	NA	NA
2-Methylnaphthalene	0.01 J	NA	NA	NA
Naphthalene	0.0066 J	NA	NA	NA
Phenanthrene	0.075	NA	NA	NA
Pyrene	0.1	NA	NA	NA
Dissolved Metals (ug/L)				
Arsenic	*6.5 J*	**14.2 J**	**10.5 J**	**11.6**
Copper	2.6 J	NA	NA	NA

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed Enforcement Standard
3) Italicized values exceed Preventive Action Limit

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

DSGN: HLB | CHK:
DR: HLB | APVD:
PATH: G:\Projects\Wauwatosa, City Of\W103782 - Brownfield Assessment Project\Map Documents\6900 West State St

Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.3
Extent of ES Exceedance and and Potentiometric Surface

SCALE
DWG 02.mxd
DATE August 2012
PROJ NO. W121177

Sample Location	SB-1		
Sample Date	1/5/2011	1/25/2011	1/5/2011
Sample Depth	0.5-1.0	2.0-3.0	10-10.25
PAHs (ug/kg)			
Acenaphthene	104 J	<3.0	NA
Anthracene	324	<5.0	NA
Benzo(a)anthracene	**933**	<3.1	NA
Benzo(a)pyrene	**934**	<3.5	NA
Benzo(b)fluoranthene	**686**	<3.7	NA
Benzo(g,h,i)perylene	804	<2.9	NA
Benzo(k)fluoranthene	787	<4.0	NA
Chrysene	1110	<3.9	NA
Dibenz(a,h)anthracene	**160 J**	<5.9	NA
Fluoranthene	1330	<10.8	NA
Fluorene	84.7 J	<5.4	NA
Indeno(1,2,3-cd)pyrene	**738**	<3.1	NA
2-Methylnaphthalene	40.6 J	<3.3	NA
Naphthalene	50.2 J	<3.8	NA
Phenanthrene	1590	<4.8	NA
Pyrene	2610	<4.0	NA
Metals (mg/kg)			
Arsenic[2]	**7**	NA	**1.5 J**
Barium[3]	NA	NA	7.3
Cadmium[2]	NA	NA	0.077 J
Chromium[2]	NA	NA	5.9
Lead[2]	NA	NA	0.83 J
Mercury[3]	NA	NA	0.0069 J
Copper	15	NA	NA
SVOCs (mg/kg)			
Carbazole	136 J	NA	NA

Sample Location	SB-2		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
Metals (mg/kg)			
Arsenic[2]	NA	NA	**4.7**
Barium[3]	NA	NA	54
Cadmium[2]	NA	NA	0.36 J
Chromium[2]	NA	NA	14.4
Lead[2]	NA	NA	19.1
Silver[3]	NA	NA	0.18 J
Mercury[3]	NA	NA	0.027

Sample Location	SB-5R	
Sample Date	1/25/2011	1/25/2011
Sample Depth	0.5-1.0	2.0-3.0
PAHs (ug/kg)		
Acenaphthene	25.1	54.9
Acenaphthylene	17.8 J	21.3
Anthracene	83.5	135
Benzo(a)anthracene	**248**	**351**
Benzo(a)pyrene	**252**	**357**
Benzo(b)fluoranthene	**184**	**326**
Benzo(g,h,i)perylene	187	283
Benzo(k)fluoranthene	255	321
Chrysene	270	396
Dibenz(a,h)anthracene	**54.3**	**84.8**
Fluoranthene	611	881
Fluorene	24.2	51.8
Indeno(1,2,3-cd)pyrene	**154**	**230**
1-Methylnaphthalene	13.9 J	24.3
2-Methylnaphthalene	15.5 J	25.5
Naphthalene	33	54.2
Phenanthrene	402	626
Pyrene	548	773

Sample Location	SB-4
Sample Date	6/24/2010
Sample Depth	0.5-1.0
VOCs (ug/kg)	
Naphthalene	112

Sample Location	SB-3	
Sample Date	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	6.0-6.5
VOCs (ug/kg)		
Naphthalene	103	<25.0
p-Isopropyltoluene	31.8 J	<25.0

Sample Location	SB-5		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthene	286 J	NA	NA
Anthracene	1500	NA	NA
Benzo(a)anthracene	**2880**	NA	NA
Benzo(a)pyrene	**2830**	NA	NA
Benzo(b)fluoranthene	**2740**	NA	NA
Benzo(g,h,i)perylene	**1930**	NA	NA
Benzo(k)fluoranthene	**2500**	NA	NA
Chrysene	3290	NA	NA
Dibenz(a,h)anthracene	**610 J**	NA	NA
Fluoranthene	7000	NA	NA
Fluorene	274 J	NA	NA
Indeno(1,2,3-cd)pyrene	**1550**	NA	NA
2-Methylnaphthalene	131 J	NA	NA
Phenanthrene	**4260**	NA	NA
Pyrene	5790	NA	NA
Metals (mg/kg)			
Arsenic[2]	**3.3**	NA	**7.2**
Barium[3]	28.9	NA	86.8
Cadmium[2]	0.3 J	NA	0.44
Chromium[2]	8.2	NA	20.9 J
Lead[2]	28.8	NA	25.9
Selenium[3]	<0.16	NA	0.18
Silver[3]	0.12 J	NA	0.33 J
Mercury[3]	0.014	NA	0.047

Sample Location	SB-6				
Sample Date	6/24/2010	1/5/2011	1/25/2011	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0	5.5-6.0	6.0-6.5
PAHs (ug/kg)					
Acenaphthene	5.2 J	<94.7	<3.5	NA	NA
Acenaphthylene	28.6	<20.3	<3.9	NA	NA
Anthracene	35.7	108 J	<5.7	NA	NA
Benzo(a)anthracene	59.9	**389**	<3.5	NA	NA
Benzo(a)pyrene	**68.7**	**417**	<4.0	NA	NA
Benzo(b)fluoranthene	82.1	**355**	<4.3	NA	NA
Benzo(g,h,i)perylene	69.1	443	<3.3	NA	NA
Benzo(k)fluoranthene	63.7	303	<4.6	NA	NA
Chrysene	92.6	509	<4.5	NA	NA
Dibenz(a,h)anthracene	**17.4 J**	**89.1 J**	<6.7	NA	NA
Fluoranthene	126	562	<12.3	NA	NA
Fluorene	6.8 J	41.2 J	<6.1	NA	NA
Indeno(1,2,3-cd)pyrene	44.6	**484**	<3.5	NA	NA
1-Methylnaphthalene	104	NA	<3.8	NA	NA
2-Methylnaphthalene	143	33.1 J	<3.8	NA	NA
Naphthalene	148	44.6 J	<4.3	NA	NA
Phenanthrene	132	729	<5.4	NA	NA
Pyrene	119	978	<4.5	NA	NA
Metals (mg/kg)					
Arsenic[2]	**4.6**	**5.9**	NA	NA	NA
Barium[3]	133	NA	NA	NA	NA
Cadmium[2]	0.41 J	NA	NA	NA	NA
Chromium[2]	15	NA	NA	NA	NA
Lead[2]	**123**	NA	8	NA	NA
Selenium[3]	2.1 J	NA	NA	NA	NA
Silver[3]	0.25 J	NA	NA	NA	NA
Mercury[3]	0.054	NA	NA	NA	NA
Copper	NA	27.6	NA	NA	NA
TCLP Metals (mg/L)					
Lead	NA	0.019 J	NA	NA	NA
Mercury	NA	0.0012	NA	NA	NA
SVOCs (mg/kg)					
3,3-Dichlorobenzidine	NA	23.5 J	NA	NA	NA
Carbazole	NA	7.6 J	NA	NA	NA

Sample Location	SB-7	
Sample Date	6/24/2010	6/24/2010
Sample Depth	2.0-3.0	5.0-6.0
PAHs (ug/kg)		
Benzo(a)anthracene	6.5 J	NA
Benzo(a)pyrene	7.5 J	NA
Benzo(b)fluoranthene	7.9 J	NA
Benzo(g,h,i)perylene	6.4 J	NA
Benzo(k)fluoranthene	7.7 J	NA
Chrysene	9 J	NA
Fluoranthene	14 J	NA
Indeno(1,2,3-cd)pyrene	4.9 J	NA
Phenanthrene	8.7 J	NA
Pyrene	12 J	NA
Metals (mg/kg)		
Arsenic[2]	**3.8**	**4.1**
Barium[3]	44.3	55.7
Cadmium[2]	0.33 J	0.38 J
Chromium[2]	9.7	6.1
Lead[2]	21.8	3.6
Selenium[3]	0.17	<0.15
Silver[3]	0.17 J	0.29 J
Mercury[3]	0.22	0.0048 J

Sample Location	SB-9		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Anthracene	7.6 J	209	<4.8
Benzo(a)anthracene	28.8	**675**	<2.9
Benzo(a)pyrene	**32.2**	**634**	<3.4
Benzo(b)fluoranthene	40.6	**507**	<3.6
Benzo(g,h,i)perylene	28.5	607	<2.7
Benzo(k)fluoranthene	35.4	552	<3.8
Chrysene	40.6	762	<3.7
Dibenz(a,h)anthracene	8.5 J	**139 J**	<5.6
Fluoranthene	85.3	1080	<10.3
Fluorene	<4.7	58.4 J	<5.1
Indeno(1,2,3-cd)pyrene	23.2	**602**	<2.9
2-Methylnaphthalene	<2.9	33.2 J	<3.1
Naphthalene	<3.3	31.9 J	<3.6
Phenanthrene	46.6	1160	<4.5
Pyrene	64.2	1620	<3.8
Metals (mg/kg)			
Arsenic[2]	**4**	**3.4**	NA
Barium[3]	46.2	NA	NA
Cadmium[2]	0.46 J	NA	NA
Chromium[2]	11.1	NA	NA
Lead[2]	16.9	NA	NA
Silver[3]	0.1 J	NA	NA
Mercury[3]	0.078	NA	NA
Copper	NA	11.6	NA
SVOCs (mg/kg)			
Carbazole	NA	76.8 J	NA

Sample Location	SB-11
Sample Date	6/24/2010
Sample Depth	2.0-3.0
Metals (mg/kg)	
Arsenic[2]	**4.8**
Copper	18

Sample Location	SB-8		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthylene	<21.0	21 J	<3.5
Anthracene	<97.6	158 J	<5.1
Benzo(a)anthracene	**273**	**361**	<3.1
Benzo(a)pyrene	**303**	**378**	<3.6
Benzo(b)fluoranthene	**243**	**249**	<3.8
Benzo(g,h,i)perylene	185 J	240	<2.9
Benzo(k)fluoranthene	242	354	<4
Chrysene	382	438	<3.9
Dibenz(a,h)anthracene	**60.6 J**	**60.4 J**	<5.9
Fluoranthene	595	985	<10.9
Fluorene	<9.8	70.8 J	<5.4
Indeno(1,2,3-cd)pyrene	**206**	**226**	<3.1
1-Methylnaphthalene	NA	NA	<3.3
2-Methylnaphthalene	<21.5	32.4 J	<3.3
Naphthalene	27.7 J	44.6 J	<3.8
Phenanthrene	319	822	<4.8
Pyrene	426	737	<4
Metals (mg/kg)			
Arsenic[2]	**5.6**	**4.7**	**5**
Barium[3]	NA	NA	43.6
Cadmium[2]	NA	NA	0.3 J
Chromium[2]	NA	NA	15.2
Lead[2]	NA	NA	6.7
Silver[3]	NA	NA	0.2 J
Mercury[3]	NA	NA	0.0092 J
Copper	19.2	18.1	NA
SVOCs (mg/kg)			
Carbazole	34.8 J	76.9 J	NA

Legend

- Soil Boring Locations
- Extent of PAHs greater than one or more PAH RCL(s) NR 720 (Dashed where inferred)
- Extent of arsenic greater than direct contact RCL NR 720 (Dashed where inferred)
- Site Boundary
- Adjacent Parcels

Current Site Features

- Building
- Concrete Sidewalk
- River Rock
- Landscaping
- Parking/Driveway

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed RCL

0 15 30 60 Feet

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

DSGN: HLB | CHK:
DR: HLB | APVD:
PATH: G:\Projects\Wauwatosa, City Of\W103782 - Brownfield Assessment Project\Map Documents\6900 West State St

Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.2
Extent of RCL
Exceedances in Soil

SCALE
DWG 03.mxd
DATE August 2012
PROJ NO. W121177

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

DSGN: HLB	CHK:		
DR: HLB	APVD:		
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Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.1
Current Site Features

SCALE	
DWG	01.mxd
DATE	August 2012
PROJ NO.	W121177

ATTACHMENT G.3
GENERAL INFORMATION
CAP MAINTENANCE PLAN

FACILITY:	6900 West State Street Wauwatosa, Wisconsin
WDNR BRRTS NO.: **WDNR FID NO.:**	02-41-556279 (ERP Program) 241766800
SITE LOCATION:	SW ½ of Section 22, Township 7 North, Range 21 East, Milwaukee County, Wisconsin
SITE DESCRIPTION:	That part of Lots 6 and 7, in block 1, of Assessor's Plat No. 13, being a part of the South 1/2 of Section 22, Town 7 North, Range 21 East, in the City of Wauwatosa, County of Milwaukee, State of Wisconsin, Bounded and described as follows: Commencing at the Northwest corner of North 68th street and West State Street; thence North 63°20'00" West on and along the North line of West State Street, 261.03 feet to the point of beginning of the lands to be described; thence continuing North 63°20'00" West 90.55 feet to a point; thence North 21°33'00" East 231.21 feet to a point; thence South 68°27'00" East 90.72 feet to a point; thence south 21°40'38" West 239.29 feet to the point of beginning.
LATITUDE: **LONGITUDE:**	43° 2' 49.2' 87° 59' 54.6"
PROPERTY OWNER:	State Street Retail, LLC c/o Jeffrey Metz, Manager P.O. Box 78 Hartland, Wisconsin 53029
LONG-TERM TENANT:	PNC Bank, National Association ("PNC Bank") 6900 West State Street Wauwatosa, Wisconsin 53213
CONSULTANT:	Mr. Harris Byers Symbiont Science, Engineering and Construction, Inc. 6737 West Washington Street, Suite 3440 West Allis, Wisconsin 53214

INTRODUCTION

This document is the Maintenance Plan for a cap at 6900 West State Street, Wauwatosa, Wisconsin in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the anticipated cap occupying the area over the contaminated groundwater plume and soil on-site. More site-specific information about this property may be found in:

The case file in the DNR Southeast regional office located in Milwaukee, Wisconsin.

BRRTS on the Web (DNR's internet based data base of contaminated sites): http://**dnr.wi.gov/botw/**SetUpBasicSearchForm.do;

GIS Registry PDF file for further information on the nature and extent of contamination: http://dnrmaps.wisconsin.gov/imf/imf.jsp?site=brrts2; and

The DNR project manager for the Site, Binyoti Amungwafor.

DESCRIPTION OF CONTAMINATION

Impacts to soil and/or groundwater from PAH constituents and/or arsenic are present at 6900 West State Street, Wauwatosa, Wisconsin, hereafter referred to as the "Site". Soil impacted with arsenic above the direct contact residual contaminant level is present throughout the Site and impacts extend from the surface to the depth of bedrock. Soil impacted with polycyclic aromatic hydrocarbons above direct contract residual contaminant levels is located primarily on the northern and central portions of the Site and impacts extend from the surface to the depth of bedrock. Shallow groundwater was generally encountered between three and six feet below ground surface and impacts greater than the ch. NR 140 WAC Enforcement Standard appear to be isolated to MW-6S. The extents of the soil and groundwater impacts in relation to current Site features are illustrated on the attached Figures G.3.2 and G.3.3, respectively.

DESCRIPTION OF THE CAP TO BE MAINTAINED

Commercial redevelopment has occurred at the Site. As illustrated on Figure G.3.1, the cap consists of the PNC Branch Bank building; associated sidewalks, driveway, and parking areas; and landscaped areas underlain by at least 2-feet of clean structural fill.

The cap over the contaminated soil serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The building/parking area also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code.

Based on the current and future use of the property, the barrier should function as intended unless disturbed.

ANNUAL INSPECTION

The cap overlying the contaminated groundwater plume and soil and as depicted in Figure G.3.1 will be inspected once a year, normally in the spring after all snow and ice is gone (estimated April 24), for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying soils. The inspections will be performed by the property owner or its designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of these annual inspections (including photodocumentation) and any repairs will be maintained by the property owner and by PNC Bank (the long-term tenant) in the Cap Inspection Log, which is included as Exhibit A of this Plan. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Pursuant to the terms of its lease, PNC Bank will perform any necessary repairs identified in the inspection log or that it discovers in accordance with WDNR requirements. Once repairs are completed, they will be documented in the inspection log. The inspection log will remain onsite and be made available to the Wisconsin Department of Natural Resources (WDNR) upon request. Additional copies of the inspection log will be kept at the addresses of the property owner and tenant.

MAINTENANCE ACTIVITIES

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, maintenance workers will be informed of the potential for direct contact exposure and the need for appropriate personal protection equipment (“PPE”) as may be required by applicable laws. Any soil that is excavated from the site will be handled in accordance with applicable local, state and federal law.

In the event the cap overlying the contaminated groundwater plume and/or soil is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

State Street Retail, LLC will maintain a copy of this Maintenance Plan and make it available to all interested parties (i.e. PNC Bank, employees, contractors, future property owners, etc.) for viewing upon request.

PROHIBITION OF ACTIVITIES AND NOTIFICATION OF DNR PRIOR TO ACTIONS AFFECTING A CAP

Once the cap is installed, the following activities are prohibited on any portion of the property where pavement, a building foundation or soil cover is required as shown on the attached Figure G.3.1, unless prior written approval has been obtained from the WDNR: 1) removal of the existing barrier; 2) replacement of the cap with a different type of barrier; 3) excavating or grading of the land surface that will affect the cap or impacted soils; 4) filling on capped or

paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a new building or structure on the property other than what is shown on Figure G.3.1.

AMENDMENT OR WITHDRAWAL OF MAINTENANCE PLAN

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

CONTACT INFORMATION

AUGUST 31, 2012

PROPERTY OWNER:
State Street Retail, LLC
P.O. Box 78
Hartland, Wisconsin 53029
414-588-7292
Signature: _____

LONG-TERM TENANT OF PROPERTY:
PNC Bank, National Association
c/o PNC Realty Services
Two PNC Plaza – 19th Floor
620 Liberty Avenue
Pittsburgh, PA 15222
Signature: _____

CONSULTANT:
Mr. Harris Byers
Symbiont Science, Engineering and Construction, Inc.
6737 West Washington Street, Suite 3440
West Allis, Wisconsin 53214
414-291-8840

WDNR:
Binyoti Amungwafor
DNR Southeast Region Headquarters
2300 North Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212
414-263-8607

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

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Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.1
Current Site Features

SCALE	
DWG	01.mxd
DATE	August 2012
PROJ NO.	W121177

Sample Location	SB-1		
Sample Date	1/5/2011	1/25/2011	1/5/2011
Sample Depth	0.5-1.0	2.0-3.0	10-10.25
PAHs (ug/kg)			
Acenaphthene	104 J	<3.0	NA
Anthracene	324	<5.0	NA
Benzo(a)anthracene	**933**	<3.1	NA
Benzo(a)pyrene	**934**	<3.5	NA
Benzo(b)fluoranthene	**686**	<3.7	NA
Benzo(g,h,i)perylene	804	<2.9	NA
Benzo(k)fluoranthene	787	<4.0	NA
Chrysene	1110	<3.9	NA
Dibenz(a,h)anthracene	**160 J**	<5.9	NA
Fluoranthene	1330	<10.8	NA
Fluorene	84.7 J	<5.4	NA
Indeno(1,2,3-cd)pyrene	**738**	<3.1	NA
2-Methylnaphthalene	40.6 J	<3.3	NA
Naphthalene	50.2 J	<3.8	NA
Phenanthrene	1590	<4.8	NA
Pyrene	2610	<4.0	NA
Metals (mg/kg)			
Arsenic[2]	**7**	NA	**1.5 J**
Barium[3]	NA	NA	7.3
Cadmium[2]	NA	NA	0.077 J
Chromium[2]	NA	NA	5.9
Lead[2]	NA	NA	0.83 J
Mercury[3]	NA	NA	0.0069 J
Copper	15	NA	NA
SVOCs (mg/kg)			
Carbazole	136 J	NA	NA

Sample Location	SB-2		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
Metals (mg/kg)			
Arsenic[2]	NA	NA	**4.7**
Barium[3]	NA	NA	54
Cadmium[2]	NA	NA	0.36 J
Chromium[2]	NA	NA	14.4
Lead[2]	NA	NA	19.1
Silver[3]	NA	NA	0.18 J
Mercury[3]	NA	NA	0.027

Sample Location	SB-5R	
Sample Date	1/25/2011	1/25/2011
Sample Depth	0.5-1.0	2.0-3.0
PAHs (ug/kg)		
Acenaphthene	25.1	54.9
Acenaphthylene	17.8 J	21.3
Anthracene	83.5	135
Benzo(a)anthracene	**248**	**351**
Benzo(a)pyrene	**252**	**357**
Benzo(b)fluoranthene	**184**	**326**
Benzo(g,h,i)perylene	187	283
Benzo(k)fluoranthene	255	321
Chrysene	270	396
Dibenz(a,h)anthracene	**54.3**	**84.8**
Fluoranthene	611	881
Fluorene	24.2	51.8
Indeno(1,2,3-cd)pyrene	**154**	**230**
1-Methylnaphthalene	13.9 J	24.3
2-Methylnaphthalene	15.5 J	25.5
Naphthalene	33	54.2
Phenanthrene	402	626
Pyrene	548	773

Sample Location	SB-4
Sample Date	6/24/2010
Sample Depth	0.5-1.0
VOCs (ug/kg)	
Naphthalene	112

Sample Location	SB-3	
Sample Date	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	6.0-6.5
VOCs (ug/kg)		
Naphthalene	103	<25.0
p-Isopropyltoluene	31.8 J	<25.0

Sample Location	SB-5		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthene	286 J	NA	NA
Anthracene	1500	NA	NA
Benzo(a)anthracene	**2880**	NA	NA
Benzo(a)pyrene	**2830**	NA	NA
Benzo(b)fluoranthene	**2740**	NA	NA
Benzo(g,h,i)perylene	**1930**	NA	NA
Benzo(k)fluoranthene	**2500**	NA	NA
Chrysene	3290	NA	NA
Dibenz(a,h)anthracene	**610 J**	NA	NA
Fluoranthene	7000	NA	NA
Fluorene	274 J	NA	NA
Indeno(1,2,3-cd)pyrene	**1550**	NA	NA
2-Methylnaphthalene	131 J	NA	NA
Phenanthrene	**4260**	NA	NA
Pyrene	5790	NA	NA
Metals (mg/kg)			
Arsenic[2]	**3.3**	NA	**7.2**
Barium[3]	28.9	NA	86.8
Cadmium[2]	0.3 J	NA	0.44
Chromium[2]	8.2	NA	20.9 J
Lead[2]	28.8	NA	25.9
Selenium[3]	<0.16	NA	0.18
Silver[3]	0.12 J	NA	0.33 J
Mercury[3]	0.014	NA	0.047

Sample Location	SB-6				
Sample Date	6/24/2010	1/5/2011	1/25/2011	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0	5.5-6.0	6.0-6.5
PAHs (ug/kg)					
Acenaphthene	5.2 J	<94.7	<3.5	NA	NA
Acenaphthylene	28.6	<20.3	<3.9	NA	NA
Anthracene	35.7	108 J	<5.7	NA	NA
Benzo(a)anthracene	59.9	**389**	<3.5	NA	NA
Benzo(a)pyrene	**68.7**	**417**	<4.0	NA	NA
Benzo(b)fluoranthene	82.1	**355**	<4.3	NA	NA
Benzo(g,h,i)perylene	69.1	443	<3.3	NA	NA
Benzo(k)fluoranthene	63.7	303	<4.6	NA	NA
Chrysene	92.6	509	<4.5	NA	NA
Dibenz(a,h)anthracene	**17.4 J**	**89.1 J**	<6.7	NA	NA
Fluoranthene	126	562	<12.3	NA	NA
Fluorene	6.8 J	41.2 J	<6.1	NA	NA
Indeno(1,2,3-cd)pyrene	44.6	**484**	<3.5	NA	NA
1-Methylnaphthalene	104	NA	<3.8	NA	NA
2-Methylnaphthalene	143	33.1 J	<3.8	NA	NA
Naphthalene	148	44.6 J	<4.3	NA	NA
Phenanthrene	132	729	<5.4	NA	NA
Pyrene	119	978	<4.5	NA	NA
Metals (mg/kg)					
Arsenic[2]	**4.6**	**5.9**	NA	NA	NA
Barium[3]	133	NA	NA	NA	NA
Cadmium[2]	0.41 J	NA	NA	NA	NA
Chromium[2]	15	NA	NA	NA	NA
Lead[2]	**123**	NA	8	NA	NA
Selenium[3]	2.1 J	NA	NA	NA	NA
Silver[3]	0.25 J	NA	NA	NA	NA
Mercury[3]	0.054	NA	NA	NA	NA
Copper	NA	27.6	NA	NA	NA
TCLP Metals (mg/L)					
Lead	NA	0.019 J	NA	NA	NA
Mercury	NA	0.0012	NA	NA	NA
SVOCs (mg/kg)					
3,3-Dichlorobenzidine	NA	23.5 J	NA	NA	NA
Carbazole	NA	7.6 J	NA	NA	NA

Sample Location	SB-7	
Sample Date	6/24/2010	6/24/2010
Sample Depth	2.0-3.0	5.0-6.0
PAHs (ug/kg)		
Benzo(a)anthracene	6.5 J	NA
Benzo(a)pyrene	7.5 J	NA
Benzo(b)fluoranthene	7.9 J	NA
Benzo(g,h,i)perylene	6.4 J	NA
Benzo(k)fluoranthene	7.7 J	NA
Chrysene	9 J	NA
Fluoranthene	14 J	NA
Indeno(1,2,3-cd)pyrene	4.9 J	NA
Phenanthrene	8.7 J	NA
Pyrene	12 J	NA
Metals (mg/kg)		
Arsenic[2]	**3.8**	**4.1**
Barium[3]	44.3	55.7
Cadmium[2]	0.33 J	0.38 J
Chromium[2]	9.7	6.1
Lead[2]	21.8	3.6
Selenium[3]	0.17	<0.15
Silver[3]	0.17 J	0.29 J
Mercury[3]	0.22	0.0048 J

Sample Location	SB-9		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Anthracene	7.6 J	209	<4.8
Benzo(a)anthracene	28.8	**675**	<2.9
Benzo(a)pyrene	**32.2**	**634**	<3.4
Benzo(b)fluoranthene	40.6	**507**	<3.6
Benzo(g,h,i)perylene	28.5	607	<2.7
Benzo(k)fluoranthene	35.4	552	<3.8
Chrysene	40.6	762	<3.7
Dibenz(a,h)anthracene	8.5 J	**139 J**	<5.6
Fluoranthene	85.3	1080	<10.3
Fluorene	<4.7	58.4 J	<5.1
Indeno(1,2,3-cd)pyrene	23.2	**602**	<2.9
2-Methylnaphthalene	<2.9	33.2 J	<3.1
Naphthalene	<3.3	31.9 J	<3.6
Phenanthrene	46.6	1160	<4.5
Pyrene	64.2	1620	<3.8
Metals (mg/kg)			
Arsenic[2]	**4**	**3.4**	NA
Barium[3]	46.2	NA	NA
Cadmium[2]	0.46 J	NA	NA
Chromium[2]	11.1	NA	NA
Lead[2]	16.9	NA	NA
Silver[3]	0.1 J	NA	NA
Mercury[3]	0.078	NA	NA
Copper	NA	11.6	NA
SVOCs (mg/kg)			
Carbazole	NA	76.8 J	NA

Sample Location	SB-11
Sample Date	6/24/2010
Sample Depth	2.0-3.0
Metals (mg/kg)	
Arsenic[2]	**4.8**
Copper	18

Sample Location	SB-8		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthylene	<21.0	21 J	<3.5
Anthracene	<97.6	158 J	<5.1
Benzo(a)anthracene	**273**	**361**	<3.1
Benzo(a)pyrene	**303**	**378**	<3.6
Benzo(b)fluoranthene	**243**	**249**	<3.8
Benzo(g,h,i)perylene	185 J	240	<2.9
Benzo(k)fluoranthene	242	354	<4
Chrysene	382	438	<3.9
Dibenz(a,h)anthracene	**60.6 J**	**60.4 J**	<5.9
Fluoranthene	595	985	<10.9
Fluorene	<9.8	70.8 J	<5.4
Indeno(1,2,3-cd)pyrene	**206**	**226**	<3.1
1-Methylnaphthalene	NA	NA	<3.3
2-Methylnaphthalene	<21.5	32.4 J	<3.3
Naphthalene	27.7 J	44.6 J	<3.8
Phenanthrene	319	822	<4.8
Pyrene	426	737	<4
Metals (mg/kg)			
Arsenic[2]	**5.6**	**4.7**	**5**
Barium[3]	NA	NA	43.6
Cadmium[2]	NA	NA	0.3 J
Chromium[2]	NA	NA	15.2
Lead[2]	NA	NA	6.7
Silver[3]	NA	NA	0.2 J
Mercury[3]	NA	NA	0.0092 J
Copper	19.2	18.1	NA
SVOCs (mg/kg)			
Carbazole	34.8 J	76.9 J	NA

Legend

- Soil Boring Locations
- Extent of PAHs greater than one or more PAH RCL(s) NR 720 (Dashed where inferred)
- Extent of arsenic greater than direct contact RCL NR 720 (Dashed where inferred)
- Site Boundary
- Adjacent Parcels

Current Site Features

- Building
- Concrete Sidewalk
- River Rock
- Landscaping
- Parking/Driveway

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed RCL

0 15 30 60 Feet

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

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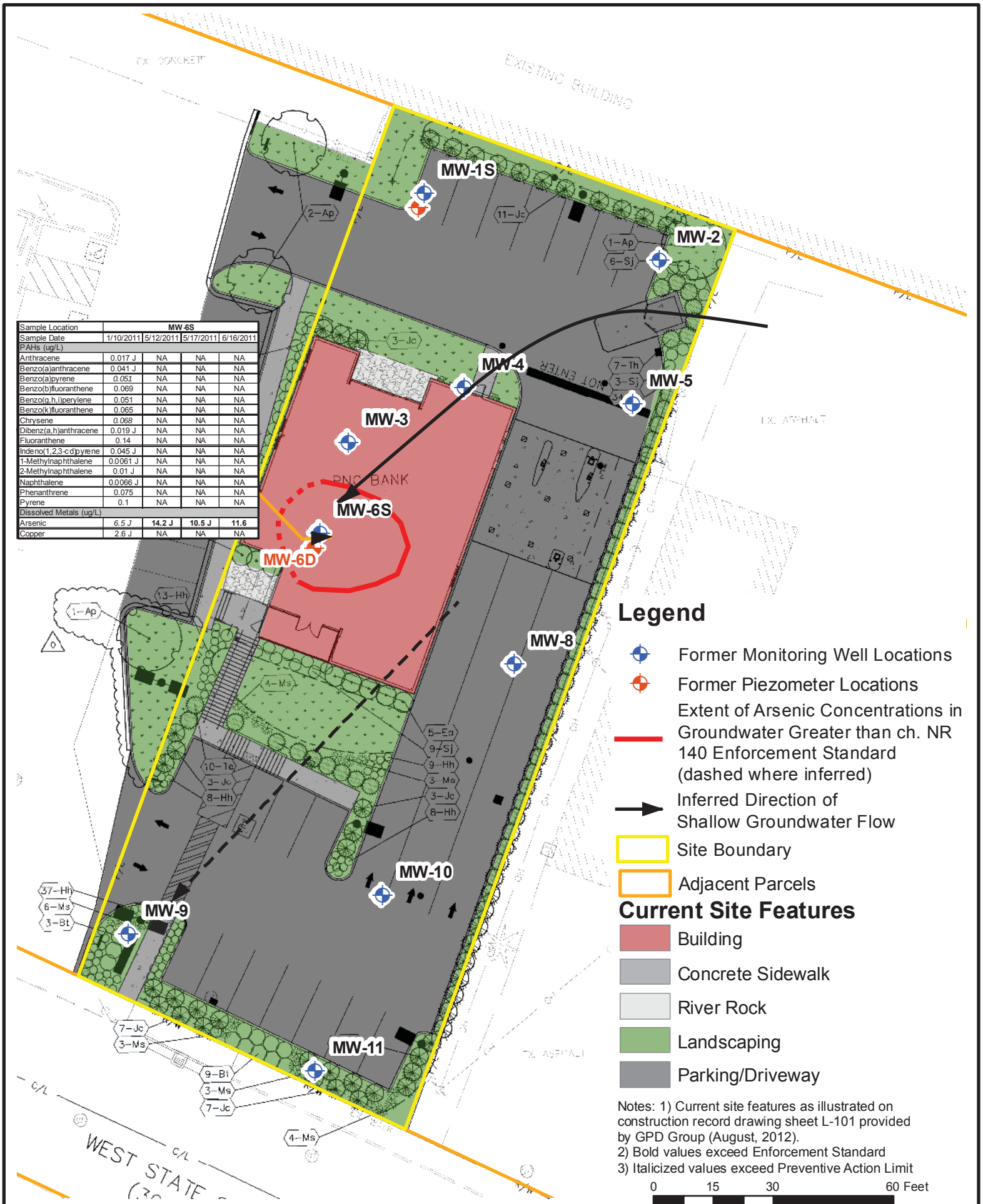
DR: HLB | APVD:
PATH: G:\Projects\Wauwatosa, City Of\W103782 - Brownfield Assessment Project\Map Documents\6900 West State St

Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.2
Extent of RCL
Exceedances in Soil

SCALE
DWG 03.mxd
DATE August 2012
PROJ NO. W121177



Sample Location	MW-6S			
Sample Date	1/10/2011	5/12/2011	5/17/2011	6/16/2011
PAHs (ug/L)				
Anthracene	0.017 J	NA	NA	NA
Benzo(a)anthracene	0.041 J	NA	NA	NA
Benzo(a)pyrene	*0.051*	NA	NA	NA
Benzo(b)fluoranthene	0.069	NA	NA	NA
Benzo(g,h,i)perylene	0.051	NA	NA	NA
Benzo(k)fluoranthene	0.065	NA	NA	NA
Chrysene	*0.068*	NA	NA	NA
Dibenz(a,h)anthracene	0.019 J	NA	NA	NA
Fluoranthene	0.14	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.045 J	NA	NA	NA
1-Methylnaphthalene	0.0061 J	NA	NA	NA
2-Methylnaphthalene	0.01 J	NA	NA	NA
Naphthalene	0.0066 J	NA	NA	NA
Phenanthrene	0.075	NA	NA	NA
Pyrene	0.1	NA	NA	NA
Dissolved Metals (ug/L)				
Arsenic	*6.5 J*	**14.2 J**	**10.5 J**	**11.6**
Copper	2.6 J	NA	NA	NA

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed Enforcement Standard
3) Italicized values exceed Preventive Action Limit

SYMBIONT
6737 West Washington Street
Suite 3440
West Allis, Wisconsin 53214
414.291.8840
FAX 414.291.8841

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Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure G.3.3
Extent of ES Exceedance and and Potentiometric Surface

SCALE
DWG 02.mxd
DATE August 2012
PROJ NO. W121177

Exhibit A

Barrier INSPECTION and MAINTENANCE LOG

Inspection Date	Inspector	Condition of Cap	Recommendations	Has recommended maintenance from previous inspection been implemented?

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

WISCONSIN
DEPT. OF NATURAL RESOURCES

September 27, 2011

State Street Retail, LLC
Jeffrey Metz , Manager
C/O RE Enterprises, LLC
P.O. Box 78
Hartland, WI 53029

Subject: Conditional Closure Decision, With Requirements to Achieve Final Closure, N. Gantz and Sons, Inc., 6900 West State Property, Wawautosa, Wisconsin, BRRTs # 02-41-556279, FID # 241766800

Dear Mr. Metz:

On September 27, 2011, the Department on Natural Resources reviewed 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 PAHs, Arsenic and Lead contamination in soil and groundwater on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case meets the requirements of ch. NR 726, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT
The monitoring wells on-site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Binyoti Amungwafor on Form 3300-005, found at http://dnr.wi.gov/org/water/dwg/gw/ or provided by the Department of Natural Resources.

When the above conditions have been satisfied, please submit the appropriate documentation including the well abandonment forms, to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the cap that serves as a barrier to prevent direct human contact threat with residual soil contamination and maintaining a building /parking areas that act as a partial infiltration barrier to minimize future soil-groundwater contamination and to conduct annual inspections of the cap. Documentation of the annual inspection log will be required to be kept on site and copies submitted to the Department

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 414-263-8607.

Sincerely,

Binyoti F. Amungwafor
Hydrogeologist
Remediation & Redevelopment Program

CC: Mr. Harris Byers, SYMBIONT
Ms. Jennifer Drury. Buzecky, Whyte, Hirschboeck Dudek S.C./Case File

2

10038934

DOC.# 10038934

RECORDED 10/04/2011 11:45AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 30.00
FEE EXEMPT #:
TRANSFER FEE: 2364.00

Document Number

State Bar of Wisconsin Form 7-2003

TRUSTEE'S DEED

Document Name

THIS DEED, made between
ROBERT H. GOLDIE

as Trustee of
THE KITTY GLANTZ REAL ESTATE TRUST II U/A 1/2/95

("Grantor," whether one or more), and
STATE STREET RETAIL, LLC, a Wisconsin limited liability company

("Grantee," whether one or more)

Grantor conveys to Grantee, without warranty, the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in MILWAUKEE County, State of Wisconsin ("Property")(If more space is needed, please attach addendum):

That part of Lots 6 and 7, in Block 1, of Assessor's Plat No. 13, being a part of the South 1/2 of Section 22, Town 7 North, Range 21 East, in the City of Wauwatosa, County of Milwaukee, State of Wisconsin, bounded and described as follows:
Commencing at the Northwest corner of North 68th Street

continued

Recording Area

Name and Return Address
WHYTE HIRSCHBOECK DUDEK S.C.
BRAD DALLET
555 EAST WELLS STREET STE 1900
MILWAUKEE, WI 53202

370-0218-04
Parcel Identification Number (PIN)

This is not homestead property
(is)(is not)

Dated Sept 23, 2011.

(SEAL)
* ROBERT H. GOLDIE, TRUSTEE

(SEAL)
*

(SEAL)
*

(SEAL)
*

AUTHENTICATION

Signature(s) _____

authenticated on _____

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. S706.06)

THIS INSTRUMENT DRAFTED BY:
JEFFREY P PATTERSON

ACKNOWLEDGMENT

STATE OF ~~WISCONSIN~~ NEW YORK
NEW YORK COUNTY } ss.

Personally came before me on September 23, 2011
the above named ROBERT H. GOLDIE

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Marilyn Juda
* Marilyn Juda
Notary Public, State of ~~Wisconsin~~ New York
My commission (is permanent)(expires: 6/30/14)

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

TRUSTEE'S DEED
*Type name below signatures

2003 STATE BAR OF WISCONSIN

FORM NO. 7-2003
etrd7n 9/05

MARILYN JUDA
Notary Public, State of New York
No. 01JU4759632
Qualified in Queens County
Commission Expires June 30, 2014

Order No: 1264983

and West State Street; thence North 63° 20'00" West on and along the North line of West State Street, 261.03 feet to the point of beginning of the lands to be described; thence continuing North 63° 20' 00" West 90.55 feet to a point; thence North 21° 33' 00" East 231.21 feet to a point; thence South 68° 27' 00" East 90.72 feet to a point; thence South 21° 40' 38" West 239.29 feet to the point of beginning.

Tax Key No: 370-0218-04

Address: 6900 W. State Street

August 31, 2012

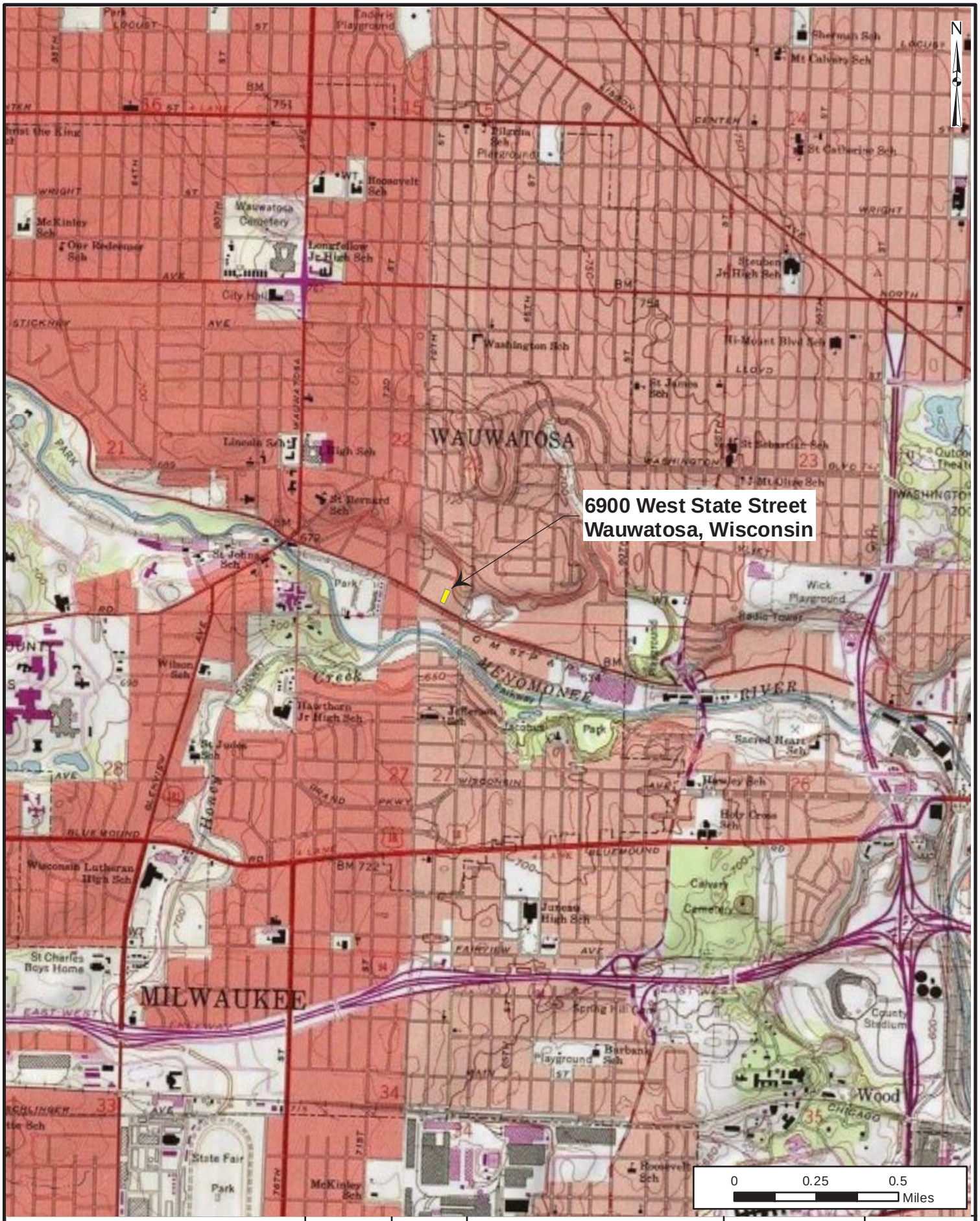
RE: Item H.1.3 - Signed Statement
Case Summary and Closeout Form NR 4400-245
6900 West State Street; Wauwatosa, Wisconsin
BRRTS No. 02-41-556279

To the best of my knowledge, I believe that the legal descriptions for all of the properties within or partially within the contaminated site's boundaries that have soil contamination exceeding generic or site-specific residual contaminant levels as determined under ss. NR 720 at the time that case closure is requested, other than public street or highway rights-of-way or railroad rights-of-way, have been submitted to the agency with administrative authority for the site, either as an attachment to the site investigation report or as part of a soil GIS registry attachment to the case close out report.

In addition, to the best of my knowledge, I believe that legal descriptions for all of the properties within or partially within the contaminated site's boundaries that have groundwater contamination exceeding ch. NR 140 enforcement standards, at the time that case closure is requested, other than public street or highway rights-of-way or railroad rights-of- way, have been submitted to the agency with administrative authority for the site, either as an attachment to the site investigation report or as part of the groundwater GIS registry attachment to the case close out report.

Signed,

Jeffery A. Metz
Manager
State Street Retail, LLC



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6737 West Washington Street
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West Allis, Wisconsin 53214
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DR: HLB	APVD:
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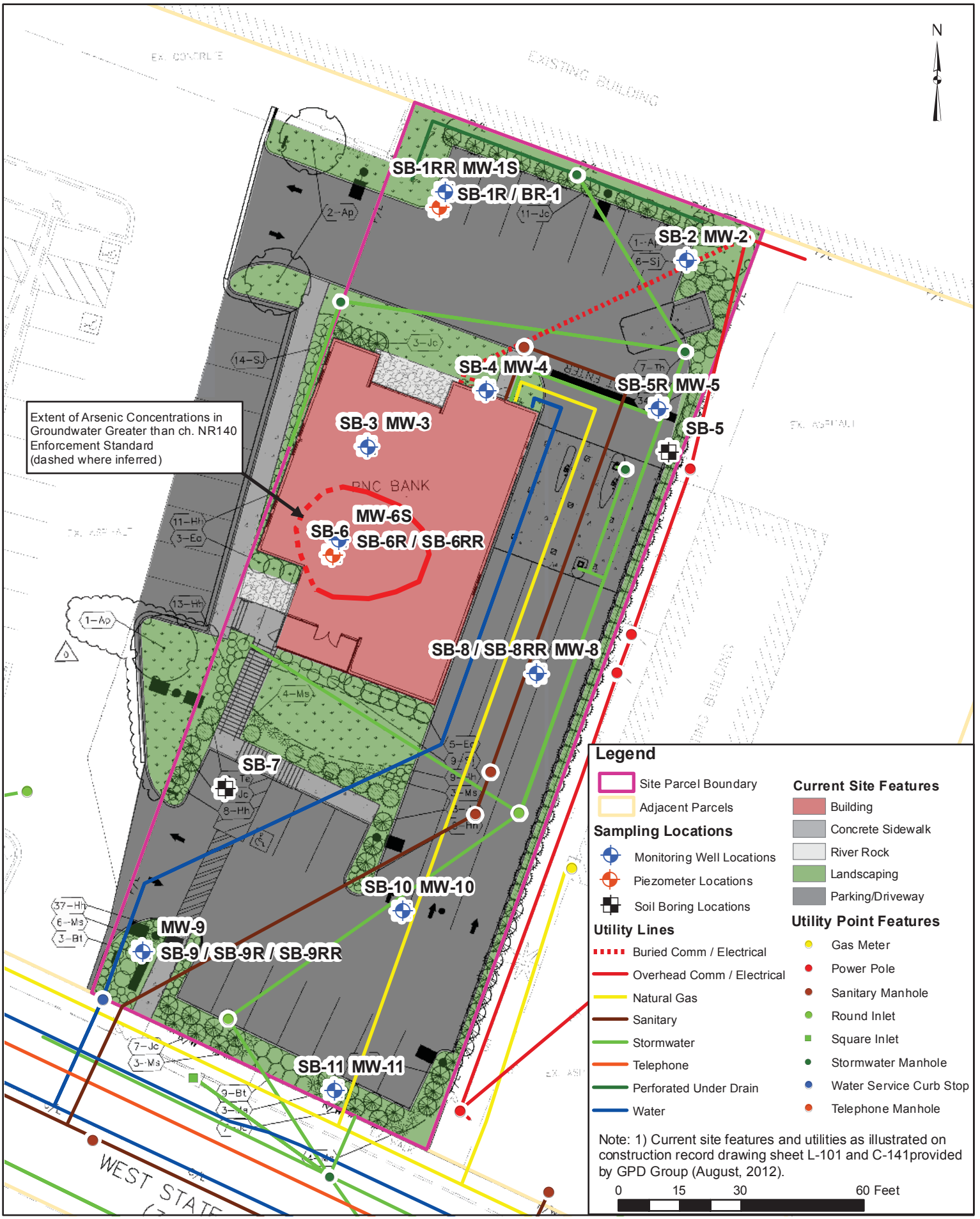
Case Closure
6900 West State Street
Wauwatosa, Wisconsin

FIGURE H.2.1
SITE LOCATION AND LOCAL TOPOGRAPHY

SCALE	
DWG	Figure 1
DATE	FEB 2011
PROP NO.	W103782



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6737 West Washington Street
Suite 3440
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414.291.8840
FAX 414.291.8841

DSGN: HLB	CHK:		SCALE
DR: HLB	APVD:		DWG 06.mxd
PATH: G:\Projects\Wauwatosa, City Of\W103782 - Brownfield Assessment Project\Map Documents\6900 West State St			DATE August 2012
			PROJ NO. W121177

Case Closure
6900 West State Street
Wauwatosa, Wisconsin

Figure H.2.2
Detailed Site Map

Sample Location	SB-1		
Sample Date	1/5/2011	1/25/2011	1/5/2011
Sample Depth	0.5-1.0	2.0-3.0	10-10.25
PAHs (ug/kg)			
Acenaphthene	104 J	<3.0	NA
Anthracene	324	<5.0	NA
Benzo(a)anthracene	**933**	<3.1	NA
Benzo(a)pyrene	**934**	<3.5	NA
Benzo(b)fluoranthene	**686**	<3.7	NA
Benzo(g,h,i)perylene	804	<2.9	NA
Benzo(k)fluoranthene	787	<4.0	NA
Chrysene	1110	<3.9	NA
Dibenz(a,h)anthracene	**160 J**	<5.9	NA
Fluoranthene	1330	<10.8	NA
Fluorene	84.7 J	<5.4	NA
Indeno(1,2,3-cd)pyrene	**738**	<3.1	NA
2-Methylnaphthalene	40.6 J	<3.3	NA
Naphthalene	50.2 J	<3.8	NA
Phenanthrene	1590	<4.8	NA
Pyrene	2610	<4.0	NA
Metals (mg/kg)			
Arsenic[2]	**7**	NA	**1.5 J**
Barium[3]	NA	NA	7.3
Cadmium[2]	NA	NA	0.077 J
Chromium[2]	NA	NA	5.9
Lead[2]	NA	NA	0.83 J
Mercury[3]	NA	NA	0.0069 J
Copper	15	NA	NA
SVOCs (mg/kg)			
Carbazole	136 J	NA	NA

Sample Location	SB-2		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
Metals (mg/kg)			
Arsenic[2]	NA	NA	**4.7**
Barium[3]	NA	NA	54
Cadmium[2]	NA	NA	0.36 J
Chromium[2]	NA	NA	14.4
Lead[2]	NA	NA	19.1
Silver[3]	NA	NA	0.18 J
Mercury[3]	NA	NA	0.027

Sample Location	SB-5R	
Sample Date	1/25/2011	1/25/2011
Sample Depth	0.5-1.0	2.0-3.0
PAHs (ug/kg)		
Acenaphthene	25.1	54.9
Acenaphthylene	17.8 J	21.3
Anthracene	83.5	135
Benzo(a)anthracene	**248**	**351**
Benzo(a)pyrene	**252**	**357**
Benzo(b)fluoranthene	**184**	**326**
Benzo(g,h,i)perylene	187	283
Benzo(k)fluoranthene	255	321
Chrysene	270	396
Dibenz(a,h)anthracene	**54.3**	**84.8**
Fluoranthene	611	881
Fluorene	24.2	51.8
Indeno(1,2,3-cd)pyrene	**154**	**230**
1-Methylnaphthalene	13.9 J	24.3
2-Methylnaphthalene	15.5 J	25.5
Naphthalene	33	54.2
Phenanthrene	402	626
Pyrene	548	773

Sample Location	SB-4
Sample Date	6/24/2010
Sample Depth	0.5-1.0
VOCs (ug/kg)	
Naphthalene	112

Sample Location	SB-3	
Sample Date	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	6.0-6.5
VOCs (ug/kg)		
Naphthalene	103	<25.0
p-Isopropyltoluene	31.8 J	<25.0

Sample Location	SB-5		
Sample Date	6/24/2010	6/24/2010	6/24/2010
Sample Depth	0-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthene	286 J	NA	NA
Anthracene	1500	NA	NA
Benzo(a)anthracene	**2880**	NA	NA
Benzo(a)pyrene	**2830**	NA	NA
Benzo(b)fluoranthene	**2740**	NA	NA
Benzo(g,h,i)perylene	**1930**	NA	NA
Benzo(k)fluoranthene	**2500**	NA	NA
Chrysene	3290	NA	NA
Dibenz(a,h)anthracene	**610 J**	NA	NA
Fluoranthene	7000	NA	NA
Fluorene	274 J	NA	NA
Indeno(1,2,3-cd)pyrene	**1550**	NA	NA
2-Methylnaphthalene	131 J	NA	NA
Phenanthrene	**4260**	NA	NA
Pyrene	5790	NA	NA
Metals (mg/kg)			
Arsenic[2]	**3.3**	NA	**7.2**
Barium[3]	28.9	NA	86.8
Cadmium[2]	0.3 J	NA	0.44
Chromium[2]	8.2	NA	20.9 J
Lead[2]	28.8	NA	25.9
Selenium[3]	<0.16	NA	0.18
Silver[3]	0.12 J	NA	0.33 J
Mercury[3]	0.014	NA	0.047

Sample Location	SB-6				
Sample Date	6/24/2010	1/5/2011	1/25/2011	6/24/2010	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0	5.5-6.0	6.0-6.5
PAHs (ug/kg)					
Acenaphthene	5.2 J	<94.7	<3.5	NA	NA
Acenaphthylene	28.6	<20.3	<3.9	NA	NA
Anthracene	35.7	108 J	<5.7	NA	NA
Benzo(a)anthracene	59.9	**389**	<3.5	NA	NA
Benzo(a)pyrene	**68.7**	**417**	<4.0	NA	NA
Benzo(b)fluoranthene	82.1	**355**	<4.3	NA	NA
Benzo(g,h,i)perylene	69.1	443	<3.3	NA	NA
Benzo(k)fluoranthene	63.7	303	<4.6	NA	NA
Chrysene	92.6	509	<4.5	NA	NA
Dibenz(a,h)anthracene	**17.4 J**	**89.1 J**	<6.7	NA	NA
Fluoranthene	126	562	<12.3	NA	NA
Fluorene	6.8 J	41.2 J	<6.1	NA	NA
Indeno(1,2,3-cd)pyrene	44.6	**484**	<3.5	NA	NA
1-Methylnaphthalene	104	NA	<3.8	NA	NA
2-Methylnaphthalene	143	33.1 J	<3.8	NA	NA
Naphthalene	148	44.6 J	<4.3	NA	NA
Phenanthrene	132	729	<5.4	NA	NA
Pyrene	119	978	<4.5	NA	NA
Metals (mg/kg)					
Arsenic[2]	**4.6**	**5.9**	NA	NA	NA
Barium[3]	133	NA	NA	NA	NA
Cadmium[2]	0.41 J	NA	NA	NA	NA
Chromium[2]	15	NA	NA	NA	NA
Lead[2]	**123**	NA	8	NA	NA
Selenium[3]	2.1 J	NA	NA	NA	NA
Silver[3]	0.25 J	NA	NA	NA	NA
Mercury[3]	0.054	NA	NA	NA	NA
Copper	NA	27.6	NA	NA	NA
TCLP Metals (mg/L)					
Lead	NA	0.019 J	NA	NA	NA
Mercury	NA	0.0012	NA	NA	NA
SVOCs (mg/kg)					
3,3-Dichlorobenzidine	NA	23.5 J	NA	NA	NA
Carbazole	NA	7.6 J	NA	NA	NA

Sample Location	SB-7	
Sample Date	6/24/2010	6/24/2010
Sample Depth	2.0-3.0	5.0-6.0
PAHs (ug/kg)		
Benzo(a)anthracene	6.5 J	NA
Benzo(a)pyrene	7.5 J	NA
Benzo(b)fluoranthene	7.9 J	NA
Benzo(g,h,i)perylene	6.4 J	NA
Benzo(k)fluoranthene	7.7 J	NA
Chrysene	9 J	NA
Fluoranthene	14 J	NA
Indeno(1,2,3-cd)pyrene	4.9 J	NA
Phenanthrene	8.7 J	NA
Pyrene	12 J	NA
Metals (mg/kg)		
Arsenic[2]	**3.8**	**4.1**
Barium[3]	44.3	55.7
Cadmium[2]	0.33 J	0.38 J
Chromium[2]	9.7	6.1
Lead[2]	21.8	3.6
Selenium[3]	0.17	<0.15
Silver[3]	0.17 J	0.29 J
Mercury[3]	0.22	0.0048 J

Sample Location	SB-9		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Anthracene	7.6 J	209	<4.8
Benzo(a)anthracene	28.8	**675**	<2.9
Benzo(a)pyrene	**32.2**	**634**	<3.4
Benzo(b)fluoranthene	40.6	**507**	<3.6
Benzo(g,h,i)perylene	28.5	607	<2.7
Benzo(k)fluoranthene	35.4	552	<3.8
Chrysene	40.6	762	<3.7
Dibenz(a,h)anthracene	8.5 J	**139 J**	<5.6
Fluoranthene	85.3	1080	<10.3
Fluorene	<4.7	58.4 J	<5.1
Indeno(1,2,3-cd)pyrene	23.2	**602**	<2.9
2-Methylnaphthalene	<2.9	33.2 J	<3.1
Naphthalene	<3.3	31.9 J	<3.6
Phenanthrene	46.6	1160	<4.5
Pyrene	64.2	1620	<3.8
Metals (mg/kg)			
Arsenic[2]	**4**	**3.4**	NA
Barium[3]	46.2	NA	NA
Cadmium[2]	0.46 J	NA	NA
Chromium[2]	11.1	NA	NA
Lead[2]	16.9	NA	NA
Silver[3]	0.1 J	NA	NA
Mercury[3]	0.078	NA	NA
Copper	NA	11.6	NA
SVOCs (mg/kg)			
Carbazole	NA	76.8 J	NA

Sample Location	SB-11
Sample Date	6/24/2010
Sample Depth	2.0-3.0
Metals (mg/kg)	
Arsenic[2]	**4.8**
Copper	18

Sample Location	SB-8		
Sample Date	1/7/2011	1/7/2011	6/24/2010
Sample Depth	0.5-1.0	0.5-1.0	2.0-3.0
PAHs (ug/kg)			
Acenaphthylene	<21.0	21 J	<3.5
Anthracene	<97.6	158 J	<5.1
Benzo(a)anthracene	**273**	**361**	<3.1
Benzo(a)pyrene	**303**	**378**	<3.6
Benzo(b)fluoranthene	**243**	**249**	<3.8
Benzo(g,h,i)perylene	185 J	240	<2.9
Benzo(k)fluoranthene	242	354	<4
Chrysene	382	438	<3.9
Dibenz(a,h)anthracene	**60.6 J**	**60.4 J**	<5.9
Fluoranthene	595	985	<10.9
Fluorene	<9.8	70.8 J	<5.4
Indeno(1,2,3-cd)pyrene	**206**	**226**	<3.1
1-Methylnaphthalene	NA	NA	<3.3
2-Methylnaphthalene	<21.5	32.4 J	<3.3
Naphthalene	27.7 J	44.6 J	<3.8
Phenanthrene	319	822	<4.8
Pyrene	426	737	<4
Metals (mg/kg)			
Arsenic[2]	**5.6**	**4.7**	**5**
Barium[3]	NA	NA	43.6
Cadmium[2]	NA	NA	0.3 J
Chromium[2]	NA	NA	15.2
Lead[2]	NA	NA	6.7
Silver[3]	NA	NA	0.2 J
Mercury[3]	NA	NA	0.0092 J
Copper	19.2	18.1	NA
SVOCs (mg/kg)			
Carbazole	34.8 J	76.9 J	NA

Legend

- Soil Boring Locations
- Extent of PAHs greater than one or more PAH RCL(s) NR 720 (Dashed where inferred)
- Extent of arsenic greater than direct contact RCL NR 720 (Dashed where inferred)
- Site Boundary
- Adjacent Parcels

Current Site Features

- Building
- Concrete Sidewalk
- River Rock
- Landscaping
- Parking/Driveway

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed RCL

0 15 30 60 Feet

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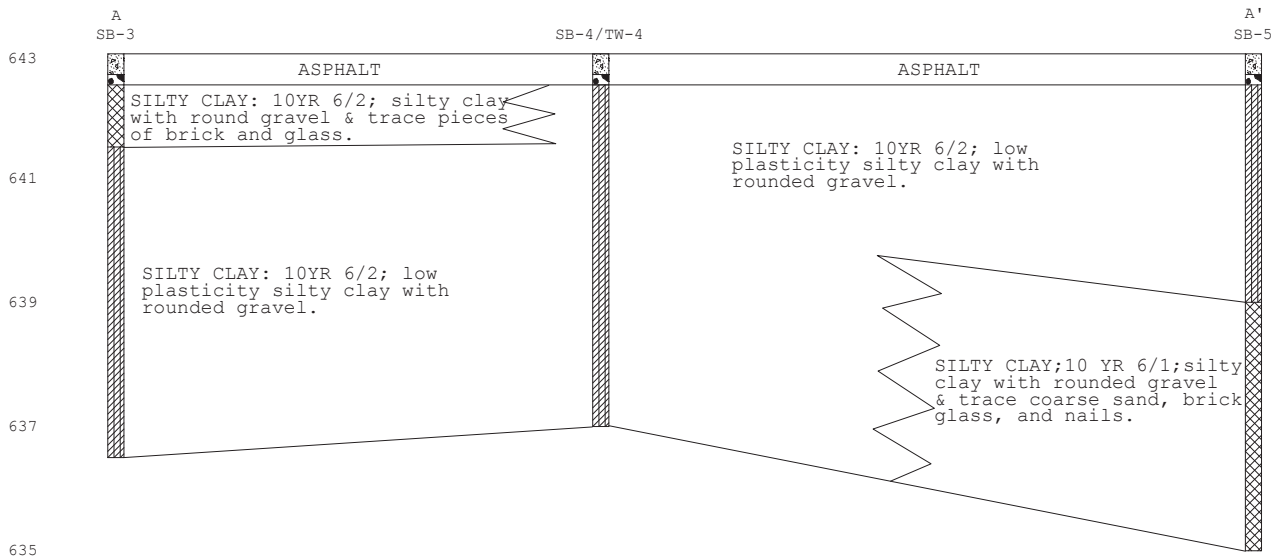
Figure G.3.2
Extent of RCL
Exceedances in Soil

SCALE
DWG 03.mxd
DATE August 2012
PROJ NO. W121177



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVEL AND GRAVELLY SOILS (MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE)	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS (MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE)	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

LEGEND

Vertical Scale 1 inch = 2 feet
Horizontal Scale 1 inch = 6 feet

Soil throughout the Site exceeds one or more NR 720 residual contaminate levels for poly-aromatic hydrocarbons or arsenic
Groundwater shown on Figure H.2.4 does not exceed NR 141 enforcement standards.

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HAZARDOUS MATERIALS MANAGEMENT
INFRASTRUCTURE SERVICES

VERIFY SCALE
BAR IS 1/2 INCH ON ORIGINAL DRAWING.
0 1/2"
IF NOT 1/2 INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DSGN	DTS
DR	
CHK	SGH
APVD	

NO.	DATE	REVISION	BY	APVD

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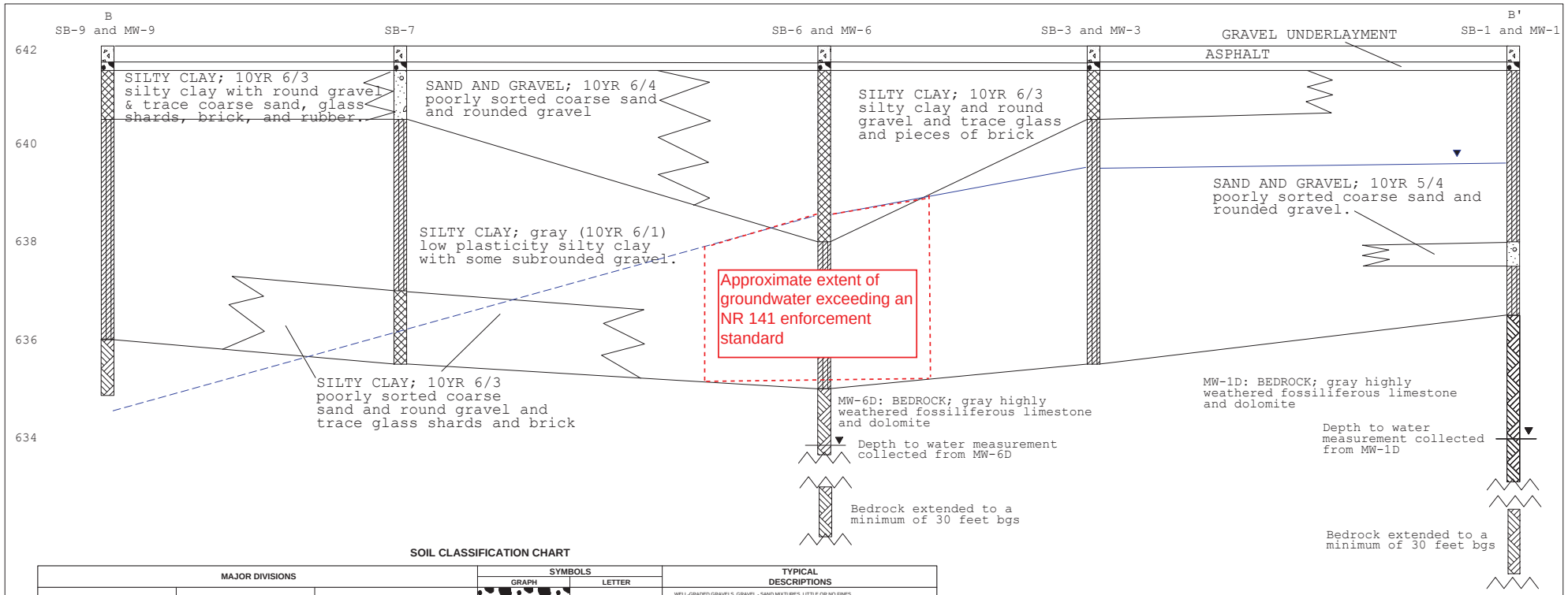
FIGURE H.2.4
GEOLOGIC CROSS SECTION
A-A'

SHEET NO.	
DWG. NO.	
DATE	FEB 2011
PROJ NO.	W103782



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVEL AND GRAVELLY SOILS (MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE)	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS (MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE)	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

LEGEND

Vertical Scale 1 inch = 2 feet
Horizontal Scale 1 inch = 10 feet

Soil throughout the site exceeds one or more NR 720 residual contaminate levels for poly aromatic hydrocarbons and/or arsenic

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CONSTRUCTION MANAGEMENT
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VERIFY SCALE
BAR IS 1/2 INCH ON ORIGINAL DRAWING.
0 1/2"
IF NOT 1/2 INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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CHK
APVD

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FIGURE H.2.5
GEOLOGIC CROSS SECTION
B-B'

SHEET NO.
DWG NO.
DATE MAY 2010
PROJ NO. W103770

Sample Location	MW-1D	
Sample Date	1/7/2011	5/12/2011
PAHs (ug/L)		
Methylene Chloride	*1*	NA
VOCs (ug/L)		
Acenaphthene	0.01 J	NA
Anthracene	0.01 J	NA
Benzo(a)anthracene	0.022 J	NA
Benzo(a)pyrene	*0.03 J*	NA
Benzo(b)fluoranthene	0.036 J	NA
Benzo(g,h,i)perylene	0.026 J	NA
Benzo(k)fluoranthene	0.037 J	NA
Chrysene	*0.041 J*	NA
Dibenz(a,h)anthracene	0.0056 J	NA
Fluoranthene	0.097	NA
Fluorene	0.0057 J	NA
Indeno(1,2,3-cd)pyrene	0.022 J	NA
1-Methylnaphthalene	0.035 J	NA
2-Methylnaphthalene	0.033 J	NA
Naphthalene	0.21	NA
Phenanthrene	0.067	NA
Pyrene	0.073	NA
Dissolved Metals (ug/L)		
Arsenic	*4.6 J*	*2.6 J*
Barium	79.5	NA
Selenium	4.3 J	NA
Copper	1.2 J	NA
SVOCs (ug/L)		
bis(2-Chloroethyl) ether	0.79	NA

Sample Location	MW-1S	
Sample Date	1/7/2011	5/12/2011
Dissolved Metals (ug/L)		
Arsenic	*8.1 J*	*4.5 J*
Copper	1.2 J	NA
SVOCs (ug/L)		
bis(2-Chloroethyl) ether	0.76 J	NA

Sample Location	MW-2	
Sample Date	1/10/2011	5/12/2011
Dissolved Metals (ug/L)		
Arsenic	*7.9 J*	*3.2 J*
Copper	2.9 J	NA

Sample Location	MW-4		
Sample Date	1/10/2011	1/25/2011	5/12/2011
PAHs (ug/L)			
Acenaphthene	NA	0.023 J	NA
Anthracene	NA	0.02 J	NA
Benzo(a)anthracene	NA	0.021 J	NA
Benzo(a)pyrene	NA	*0.03 J*	NA
Benzo(b)fluoranthene	NA	0.041 J	NA
Benzo(g,h,i)perylene	NA	0.027 J	NA
Benzo(k)fluoranthene	NA	0.036 J	NA
Chrysene	NA	*0.05 J*	NA
Dibenz(a,h)anthracene	NA	0.0057 J	NA
Fluoranthene	NA	0.16	NA
Fluorene	NA	0.01 J	NA
Indeno(1,2,3-cd)pyrene	NA	0.02 J	NA
1-Methylnaphthalene	NA	0.0058 J	NA
Naphthalene	NA	0.012 J	NA
Phenanthrene	NA	0.074	NA
Pyrene	NA	0.11	NA
Dissolved Metals (ug/L)			
Arsenic	*5.3 J*	NA	*4.5 J*
Copper	2.1 J	NA	NA

Sample Location	MW-6S			
Sample Date	1/10/2011	5/12/2011	5/17/2011	6/16/2011
PAHs (ug/L)				
Anthracene	0.017 J	NA	NA	NA
Benzo(a)anthracene	0.041 J	NA	NA	NA
Benzo(a)pyrene	*0.051*	NA	NA	NA
Benzo(b)fluoranthene	0.069	NA	NA	NA
Benzo(g,h,i)perylene	0.051	NA	NA	NA
Benzo(k)fluoranthene	0.065	NA	NA	NA
Chrysene	*0.068*	NA	NA	NA
Dibenz(a,h)anthracene	0.019 J	NA	NA	NA
Fluoranthene	0.14	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.045 J	NA	NA	NA
1-Methylnaphthalene	0.0061 J	NA	NA	NA
2-Methylnaphthalene	0.01 J	NA	NA	NA
Naphthalene	0.0066 J	NA	NA	NA
Phenanthrene	0.075	NA	NA	NA
Pyrene	0.1	NA	NA	NA
Dissolved Metals (ug/L)				
Arsenic	*6.5 J*	**14.2 J**	**10.5 J**	**11.6**
Copper	2.6 J	NA	NA	NA

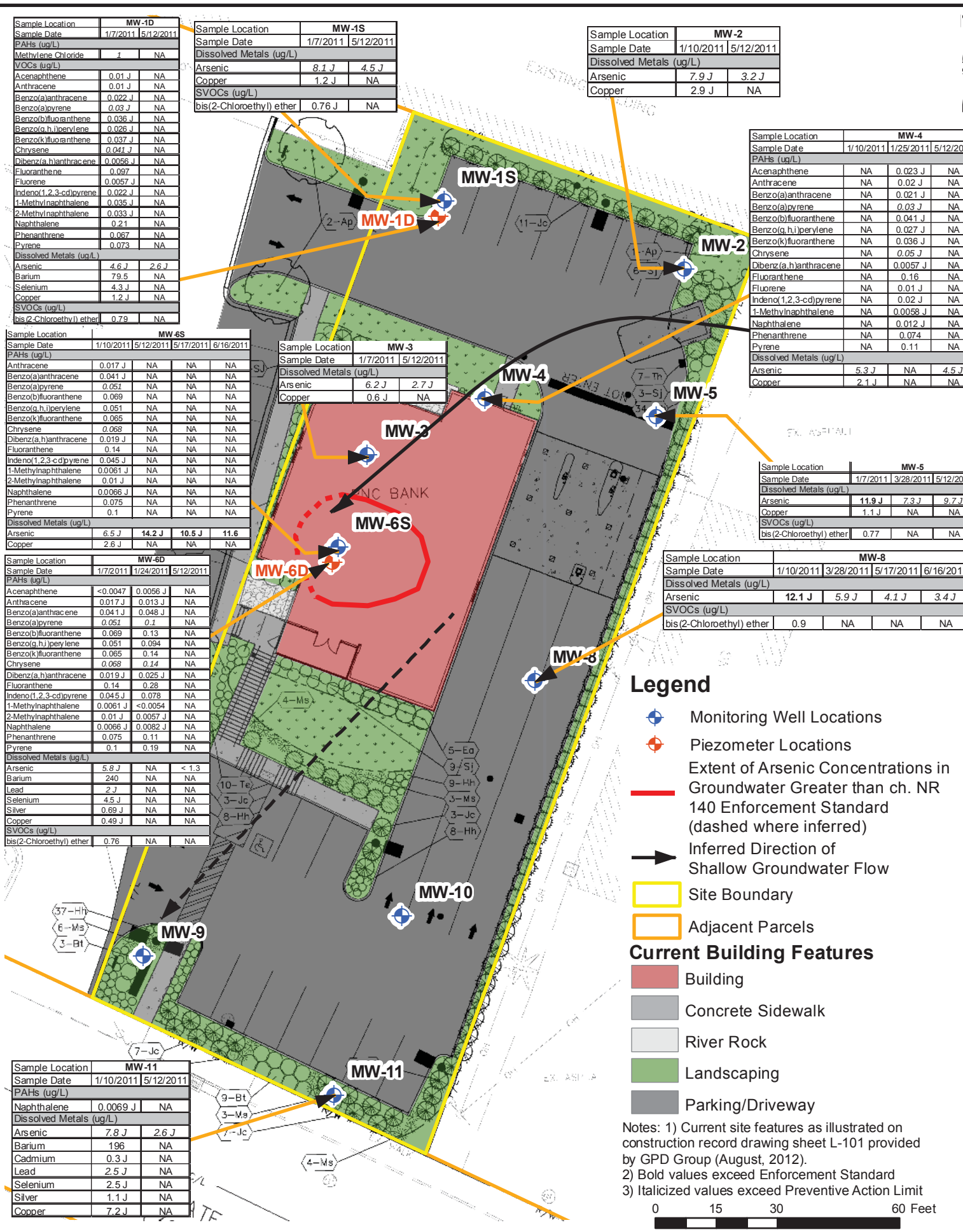
Sample Location	MW-3	
Sample Date	1/7/2011	5/12/2011
Dissolved Metals (ug/L)		
Arsenic	*6.2 J*	*2.7 J*
Copper	0.6 J	NA

Sample Location	MW-5		
Sample Date	1/7/2011	3/28/2011	5/12/2011
Dissolved Metals (ug/L)			
Arsenic	**11.9 J**	*7.3 J*	*9.7 J*
Copper	1.1 J	NA	NA
SVOCs (ug/L)			
bis(2-Chloroethyl) ether	0.77	NA	NA

Sample Location	MW-6D		
Sample Date	1/7/2011	1/24/2011	5/12/2011
PAHs (ug/L)			
Acenaphthene	<0.0047	0.0056 J	NA
Anthracene	0.017 J	0.013 J	NA
Benzo(a)anthracene	0.041 J	0.048 J	NA
Benzo(a)pyrene	*0.051*	*0.1*	NA
Benzo(b)fluoranthene	0.069	0.13	NA
Benzo(g,h,i)perylene	0.051	0.094	NA
Benzo(k)fluoranthene	0.065	0.14	NA
Chrysene	*0.068*	*0.14*	NA
Dibenz(a,h)anthracene	0.019 J	0.025 J	NA
Fluoranthene	0.14	0.28	NA
Indeno(1,2,3-cd)pyrene	0.045 J	0.078	NA
1-Methylnaphthalene	0.0061 J	<0.0054	NA
2-Methylnaphthalene	0.01 J	0.0057 J	NA
Naphthalene	0.0066 J	0.0082 J	NA
Phenanthrene	0.075	0.11	NA
Pyrene	0.1	0.19	NA
Dissolved Metals (ug/L)			
Arsenic	*5.8 J*	NA	< 1.3
Barium	240	NA	NA
Lead	*2 J*	NA	NA
Selenium	4.5 J	NA	NA
Silver	0.69 J	NA	NA
Copper	0.49 J	NA	NA
SVOCs (ug/L)			
bis(2-Chloroethyl) ether	0.76	NA	NA

Sample Location	MW-8			
Sample Date	1/10/2011	3/28/2011	5/17/2011	6/16/2011
Dissolved Metals (ug/L)				
Arsenic	**12.1 J**	*5.9 J*	*4.1 J*	*3.4 J*
SVOCs (ug/L)				
bis(2-Chloroethyl) ether	0.9	NA	NA	NA

Sample Location	MW-11	
Sample Date	1/10/2011	5/12/2011
PAHs (ug/L)		
Naphthalene	0.0069 J	NA
Dissolved Metals (ug/L)		
Arsenic	*7.8 J*	*2.6 J*
Barium	196	NA
Cadmium	0.3 J	NA
Lead	*2.5 J*	NA
Selenium	2.5 J	NA
Silver	1.1 J	NA
Copper	7.2 J	NA



Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed Enforcement Standard
3) Italicized values exceed Preventive Action Limit

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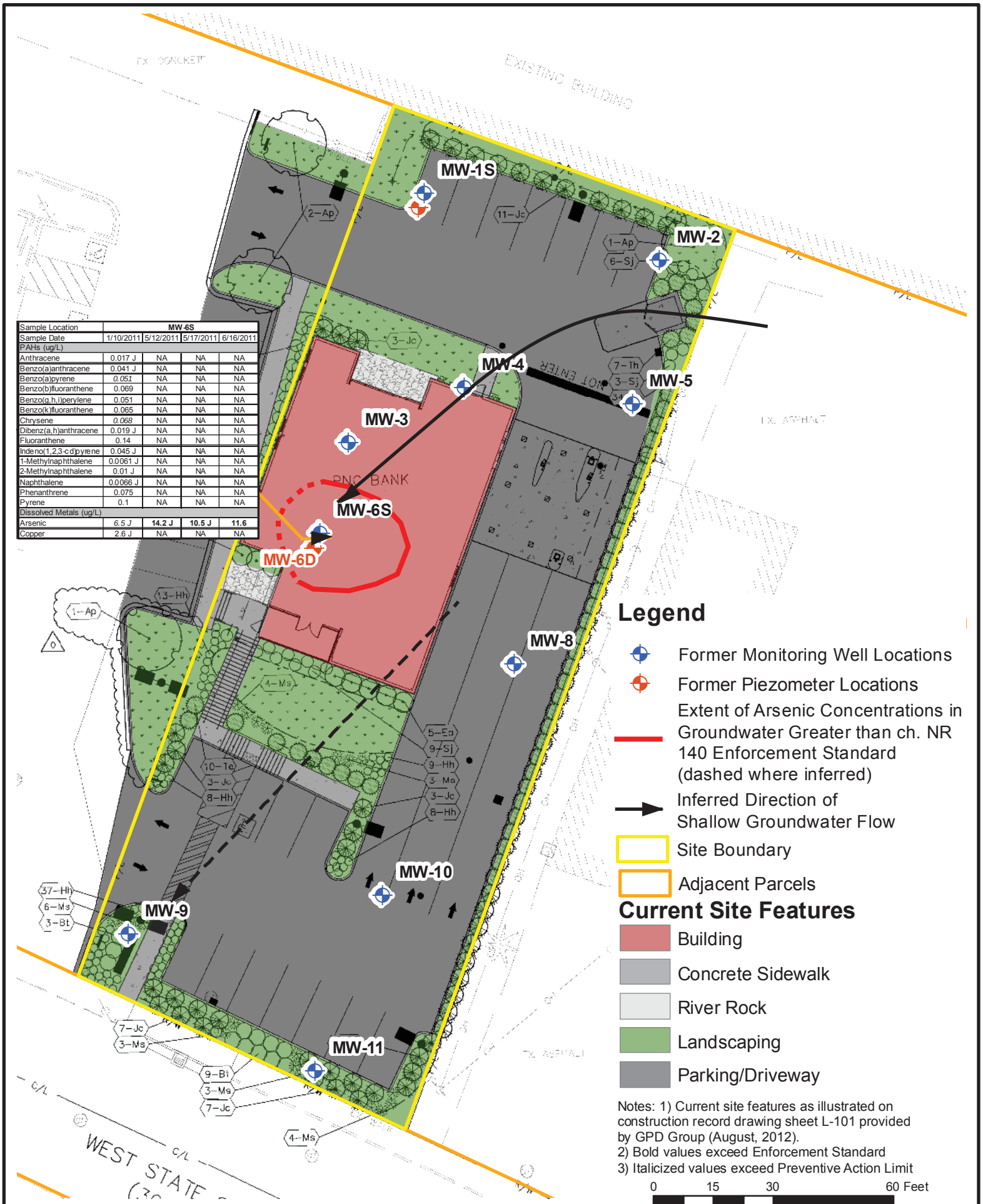
Figure H.2.6
Groundwater Sample Locations and Isoconcetration Map

SCALE	
DWG	04.mxd
DATE	August 2012
PROJ NO.	W121177



Sample Location	MW-6S			
Sample Date	1/10/2011	5/12/2011	5/17/2011	6/16/2011
PAHs (ug/L)				
Anthracene	0.017 J	NA	NA	NA
Benzo(a)anthracene	0.041 J	NA	NA	NA
Benzo(a)pyrene	*0.051*	NA	NA	NA
Benzo(b)fluoranthene	0.069	NA	NA	NA
Benzo(g,h,i)perylene	0.051	NA	NA	NA
Benzo(k)fluoranthene	0.065	NA	NA	NA
Chrysene	*0.068*	NA	NA	NA
Dibenz(a,h)anthracene	0.019 J	NA	NA	NA
Fluoranthene	0.14	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.045 J	NA	NA	NA
1-Methylnaphthalene	0.0061 J	NA	NA	NA
2-Methylnaphthalene	0.01 J	NA	NA	NA
Naphthalene	0.0066 J	NA	NA	NA
Phenanthrene	0.075	NA	NA	NA
Pyrene	0.1	NA	NA	NA
Dissolved Metals (ug/L)				
Arsenic	*6.5 J*	**14.2 J**	**10.5 J**	**11.6**
Copper	2.6 J	NA	NA	NA

Notes: 1) Current site features as illustrated on construction record drawing sheet L-101 provided by GPD Group (August, 2012).
2) Bold values exceed Enforcement Standard
3) Italicized values exceed Preventive Action Limit

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Figure H.2.6.B
Extent of ES Exceedance and and Potentiometric Surface

SCALE
DWG 02.mxd
DATE August 2012
PROJ NO. W121177

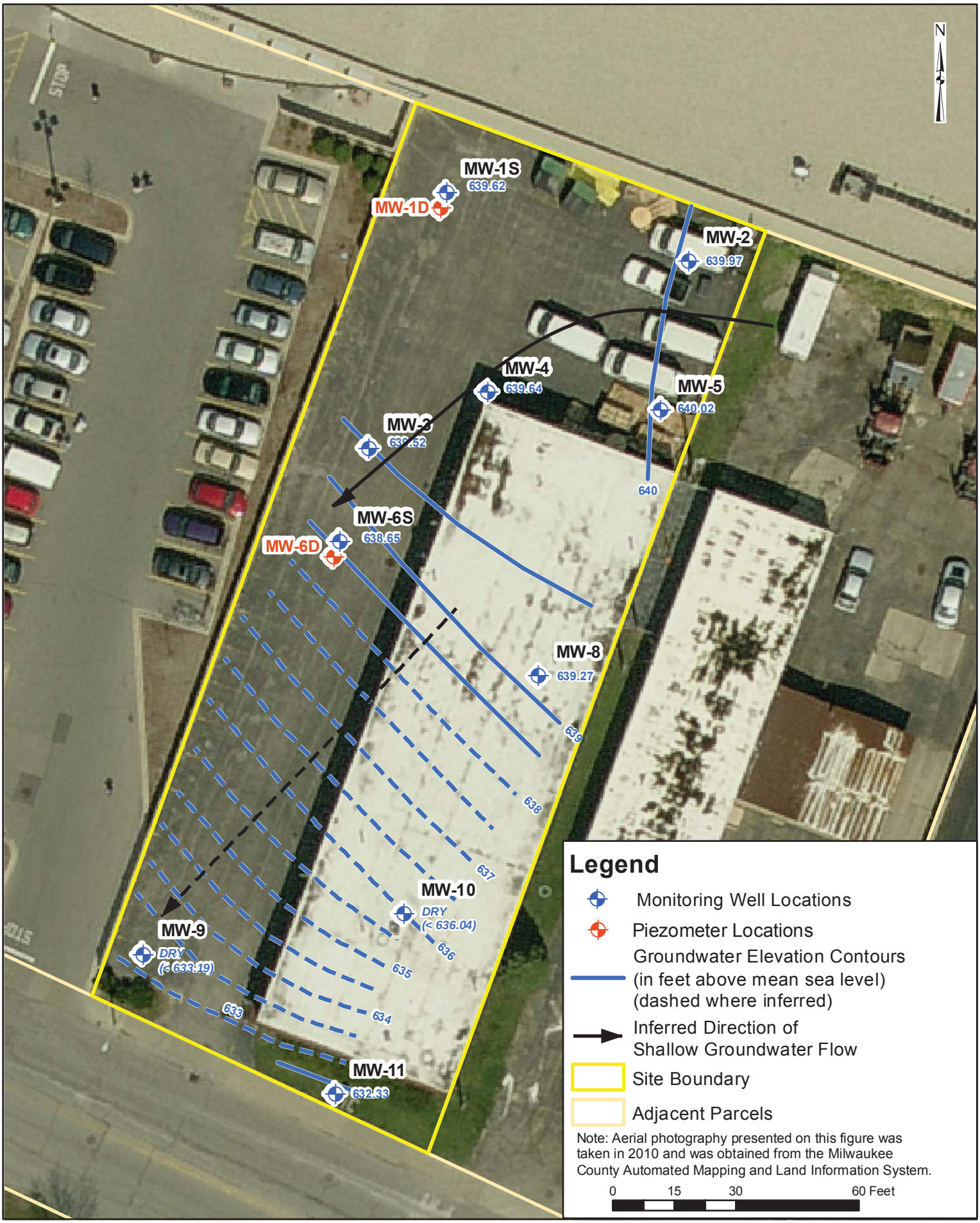

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Figure H.2.7
Monitoring Well Locations and Potentiometric Surface of Shallow Groundwater on January 10, 2011

SCALE	1 inch = 30 feet
DWG	Figure 5
DATE	Feb 2011
PROJ NO.	W103782

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Figure H.2.8
Monitoring Well Locations and Potentiometric Surface of Shallow Groundwater on March 28, 2011

SCALE	1 inch = 30 feet
DWG	Figure 10
DATE	Mar 2011
PROJ NO.	W103782

TABLE H.3.1
SOIL CHEMISTRY DATA
CASE SUMMARY AND CLOSE OUT REPORT
6900 WEST STATE STREET
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH[1]	Direct Contact Non-Industrial RCL PAH[1] Metals[2 and 3] SVOCs[4]	TCLP Standards	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)													
						SB-1			SB-2			SB-3		SB-4	SB-5			SB-5R	
						SB-1R (0.5-1.0)	SB-1RR (2.0-3.0)	BR-1	SB-2(0.5-1.0)	SB-2(0.5-1.0)-FD	SB-2(2.0-3.0)	SB-3(0.5-1.0)	SB-3(6.0-6.5)	SB-4(0.5-1.0)	SB-5(0.0-1.0)	SB-5(0.5-1.0)	SB-5(2.0-3.0)	SB-5R(0.5-1.0)	SB-5R(2.0-3.0)
						4041585005	4041951003	4041585011	4033817001	4033817002	4033817018	4033817006	4033817005	4033817007	4033817011	4033817008	4033817010	4041951005	4041951004
						1/5/2011	1/25/2011	1/5/2011	6/24/2010	6/24/2010	6/24/2010	6/24/2010	6/24/2010	6/24/2010	6/24/2010	6/24/2010	6/24/2010	1/25/2011	1/25/2011
						0.5-1.0	2.0-3.0	10-10.25	0.5-1.0	0.5-1.0	2.0-3.0	0.5-1.0	6.0-6.5	0.5-1.0	0-1.0	0.5-1.0	2.0-3.0	0.5-1.0	2.0-3.0
VOCs	Naphthalene	ug/kg	**400**	**20000**	NE	NA	NA	NA	<25.0	<25.0	NA	103	<25.0	112	NA	104	<25.0	NA	NA
	p-Isopropyltoluene		**NE**	**NE**	NE	NA	NA	NA	<25.0	<25.0	NA	31.8 J	<25.0	<25.0	NA	<25.0	<25.0	NA	NA
PAHs	Acenaphthene	ug/kg	**38000**	**900000**	NE	104 J	<3.0	NA	NA	NA	NA	NA	NA	NA	286 J	NA	NA	25.1	54.9
	Acenaphthylene		**700**	**18000**	NE	<20.2	<3.4	NA	NA	NA	NA	NA	NA	NA	<115	NA	NA	17.8 J	21.3
	Anthracene		**3000000**	**5000000**	NE	324	<5.0	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA	83.5	135
	Benzo(a)anthracene		**17000**	**88**	NE	**933**	<3.1	NA	NA	NA	NA	NA	NA	NA	**2880**	NA	NA	**248**	**351**
	Benzo(a)pyrene		**48000**	**8.8**	NE	**934**	<3.5	NA	NA	NA	NA	NA	NA	NA	**2830**	NA	NA	**252**	**357**
	Benzo(b)fluoranthene		**360000**	**88**	NE	**686**	<3.7	NA	NA	NA	NA	NA	NA	NA	**2740**	NA	NA	**184**	**326**
	Benzo(g,h,i)perylene		**6800000**	**1800**	NE	804	<2.9	NA	NA	NA	NA	NA	NA	NA	**1930**	NA	NA	187	283
	Benzo(k)fluoranthene		**870000**	**880**	NE	787	<4.0	NA	NA	NA	NA	NA	NA	NA	**2500**	NA	NA	255	321
	Chrysene		**37000**	**8800**	NE	1110	<3.9	NA	NA	NA	NA	NA	NA	NA	3290	NA	NA	270	396
	Dibenz(a,h)anthracene		**38000**	**8.8**	NE	**160** J	<5.9	NA	NA	NA	NA	NA	NA	NA	**610** J	NA	NA	**54.3**	**84.8**
	Fluoranthene		**500000**	**600000**	NE	1330	<10.8	NA	NA	NA	NA	NA	NA	NA	7000	NA	NA	611	881
	Fluorene		**100000**	**600000**	NE	84.7 J	<5.4	NA	NA	NA	NA	NA	NA	NA	274 J	NA	NA	24.2	51.8
	Indeno(1,2,3-cd)pyrene		**680000**	**88**	NE	**738**	<3.1	NA	NA	NA	NA	NA	NA	NA	**1550**	NA	NA	**154**	**230**
	1-Methylnaphthalene		**23000**	**1100000**	NE	NA	<3.3	NA	NA	NA	NA	NA	NA	NA	<110	NA	NA	13.9 J	24.3
	2-Methylnaphthalene		**20000**	**600000**	NE	40.6 J	<3.3	NA	NA	NA	NA	NA	NA	NA	131 J	NA	NA	15.5 J	25.5
	Naphthalene		**400**	**20000**	NE	50.2 J	<3.8	NA	NA	NA	NA	NA	NA	NA	<126	NA	NA	33	54.2
	Phenanthrene		**1800**	**18000**	NE	1590	<4.8	NA	NA	NA	NA	NA	NA	NA	**4260**	NA	NA	402	626
	Pyrene		**8700000**	**500000**	NE	2610	<4.0	NA	NA	NA	NA	NA	NA	NA	5790	NA	NA	548	773
Metals	Arsenic[2]	mg/kg	**NE**	**0.039**	NE	**7**	NA	**1.5** J	NA	NA	**4.7**	NA	NA	NA	**3.3**	NA	**7.2**	NA	NA
	Barium[3]		**NE**	**15000**	NE	NA	NA	7.3	NA	NA	54	NA	NA	NA	28.9	NA	86.8	NA	NA
	Cadmium[2]		**NE**	**8**	NE	NA	NA	0.077 J	NA	NA	0.36 J	NA	NA	NA	0.3 J	NA	0.44	NA	NA
	Chromium[2]		**NE**	**16000**	NE	NA	NA	5.9	NA	NA	14.4	NA	NA	NA	8.2	NA	20.9 J	NA	NA
	Lead[2]		**NE**	**50**	NE	NA	NA	0.83 J	NA	NA	19.1	NA	NA	NA	28.8	NA	25.9	NA	NA
	Selenium[3]		**NE**	**390**	NE	NA	NA	<0.14	NA	NA	<0.15	NA	NA	NA	<0.16	NA	0.18	NA	NA
	Silver[3]		**NE**	**390**	NE	NA	NA	<0.038	NA	NA	0.18 J	NA	NA	NA	0.12 J	NA	0.33 J	NA	NA
	Mercury[3]		**NE**	**5.6**	NE	NA	NA	0.0069 J	NA	NA	0.027	NA	NA	NA	0.014	NA	0.047	NA	NA
	Copper		**NE**	**NE**	NE	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals	Arsenic	mg/L	**NE**	**NE**	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium		**NE**	**NE**	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium		**NE**	**NE**	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium		**NE**	**NE**	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead		**NE**	**NE**	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium		**NE**	**NE**	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver		**NE**	**NE**	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury		**NE**	**NE**	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	PCB, Total	ug/kg	**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1016 (Aroclor 1016)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1221 (Aroclor 1221)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1232 (Aroclor 1232)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1242 (Aroclor 1242)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1248 (Aroclor 1248)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1254 (Aroclor 1254)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1260 (Aroclor 1260)		**NE**	**NE**	NE	<26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs	3,3'-Dichlorobenzidine	ug/kg	**NE**	**NE**	NE	<13.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole		**NE**	**3190**	NE	136 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE H.3.1
SOIL CHEMISTRY DATA
CASE SUMMARY AND CLOSE OUT REPORT
6900 WEST STATE STREET
WAUWATOSA, WISCONSIN

NOTES

Note: SB = Soil boring
mg/kg = milligrams per kilogram
NA = Not analyzed or not applicable
NE = not established
PAH = polynuclear aromatic hydrocarbons
RCRA = Resource Conservation and Recovery Act
ug/kg = micrograms per kilogram
VOCs = volatile organic cmpounds
Only VOCs detected in at least one sample are shown on this table.
FD = Field Duplicate Sample
RCL = Residual Closure Level
TCLP = Toxicity Characteristic Leaching Procedure per 40 CFR 261.24

[1] Groundwater Pathway and Direct Contact Pathway for Non-Industrial and Industrial Properties Per Table 1 of WDNR, 1997, Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance, Publication RR-519-97, Available http://dnr.wisconsin.gov/org/aw/rr/archives/pubs/RR519.pdf, Last Accessed 6/28/10.

[2] Residual Contaminant Levels Based on Human Health Risk from Direct Contact Related to Land Use per Ch. NR720, Table 2.

[3] Residential and Industrial Screening Level per USEPA Region 9; Regional Screening Levels; Available http://www.epa.gov/region9/superfund/prg/index.html; Last Updated May 2010; Last Accessed June 28, 2010.

[4] Direct Contact non-industrial contact RCL calculated based on WDNR Publication PUB-RR-682

The concentration of PAHs reported for soil samples collected in early January 2011 are results generated during SVOC analysis.

Bold cells exceed either the Groundwater Protection Pathway or the non-industrial closure levels

TABLE H.3.1
SOIL CHEMISTRY DATA
CASE SUMMARY AND CLOSE OUT REPORT
6900 WEST STATE STREET
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Groundwater Protection Pathway PAH[1]	Direct Contact Non-Industrial RCL PAH[1] Metals[2 and 3] SVOCs[4]	TCLP Standards	Site Location, Sample ID, Lab Sample ID, Sample Date, and Sample Depth (ft bgs)															
						SB-6					SB-7		SB-8			SB-9			SB-11	Trip Blank
						SB-6(0.5-1.0)	SB-6R (0.5-1.0)	SB-6RR(2.0-3.0)	SB-6(5.5-6.0)	SB-6(6.0-6.5)	SB-7(2.0-3.0)	SB-7(5.0-6.0)	SB-8R (0.5-1.0)	SB-8R (0.5-1.0)-FD	SB-8(2.0-3.0)	SB-9(0.5-1.0)	SB-9R (0.5-1.0)	SB-9RR(2.0-3.0)	SB-11 (0.5-1.0)	
						4033817003	4041585006	4041951006	4033817004	4033817009	4033817014	4033817013	4041585007	4041585008	4033817017	4033817012	4041585009	4041951007	4041585010	
						6/24/2010	1/5/2011	1/25/2011	6/24/2010	6/24/2010	6/24/2010	6/24/2010	1/7/2011	1/7/2011	6/24/2010	6/24/2010	1/5/2011	1/25/2011	1/7/2011	
						0.5-1.0	0.5-1.0	2.0-3.0	5.5-6.0	6.0-6.5	2.0-3.0	5.0-6.0	0.5-1.0	0.5-1.0	2.0-3.0	0.5-1.0	0.5-1.0	2.0-3.0	0.5-1.0	6/24/2010
VOCs	Naphthalene	ug/kg	**400**	**20000**	NE	<25.0	NA	NA	<25.0	<25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25.0
	p-Isopropyltoluene		**NE**	**NE**	NE	<25.0	NA	NA	<25.0	<25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25.0
PAHs	Acenaphthene	ug/kg	**38000**	**900000**	NE	5.2 J	<94.7	<3.5	NA	NA	<2.6	NA	<97.6	<94.2	<3.1	<2.6	<94.0	<2.9	<90.9	NA
	Acenaphthylene		**700**	**18000**	NE	28.6	<20.3	<3.9	NA	NA	<3	NA	<21.0	21 J	<3.5	<3	<20.2	<3.3	<19.5	NA
	Anthracene		**3000000**	**5000000**	NE	35.7	108 J	<5.7	NA	NA	<4.3	NA	<97.6	158 J	<5.1	7.6 J	209	<4.8	<90.9	NA
	Benzo(a)anthracene		**17000**	**88**	NE	59.9	**389**	<3.5	NA	NA	6.5 J	NA	**273**	**361**	<3.1	28.8	**675**	<2.9	<20.5	NA
	Benzo(a)pyrene		**48000**	**8.8**	NE	**68.7**	**417**	<4.0	NA	NA	7.5 J	NA	**303**	**378**	<3.6	**32.2**	**634**	<3.4	<22.0	NA
	Benzo(b)fluoranthene		**360000**	**88**	NE	82.1	**355**	<4.3	NA	NA	7.9 J	NA	**243**	**249**	<3.8	40.6	**507**	<3.6	<21.5	NA
	Benzo(g,h,i)perylene		**6800000**	**1800**	NE	69.1	443	<3.3	NA	NA	6.4 J	NA	185 J	240	<2.9	28.5	607	<2.7	<90.9	NA
	Benzo(k)fluoranthene		**870000**	**880**	NE	63.7	303	<4.6	NA	NA	7.7 J	NA	242	354	<4	35.4	552	<3.8	<28.7	NA
	Chrysene		**37000**	**8800**	NE	92.6	509	<4.5	NA	NA	9 J	NA	382	438	<3.9	40.6	762	<3.7	<26.5	NA
	Dibenz(a,h)anthracene		**38000**	**8.8**	NE	**17.4** J	**89.1** J	<6.7	NA	NA	<5.1	NA	**60.6** J	**60.4** J	<5.9	8.5 J	**139** J	<5.6	<33.3	NA
	Fluoranthene		**500000**	**600000**	NE	126	562	<12.3	NA	NA	14 J	NA	595	985	<10.9	85.3	1080	<10.3	<32.2	NA
	Fluorene		**100000**	**600000**	NE	6.8 J	41.2 J	<6.1	NA	NA	<4.6	NA	<9.8	70.8 J	<5.4	<4.7	58.4 J	<5.1	<9.1	NA
	Indeno(1,2,3-cd)pyrene		**680000**	**88**	NE	44.6	**484**	<3.5	NA	NA	4.9 J	NA	**206**	**226**	<3.1	23.2	**602**	<2.9	<24.4	NA
	1-Methylnaphthalene		**23000**	**1100000**	NE	104	NA	<3.8	NA	NA	<2.9	NA	NA	NA	<3.3	<2.9	NA	<3.1	NA	NA
	2-Methylnaphthalene		**20000**	**600000**	NE	143	33.1 J	<3.8	NA	NA	<2.9	NA	<21.5	32.4 J	<3.3	<2.9	33.2 J	<3.1	<20.1	NA
	Naphthalene		**400**	**20000**	NE	148	44.6 J	<4.3	NA	NA	<3.3	NA	27.7 J	44.6 J	<3.8	<3.3	31.9 J	<3.6	<21.3	NA
	Phenanthrene		**1800**	**18000**	NE	132	729	<5.4	NA	NA	8.7 J	NA	319	822	<4.8	46.6	1160	<4.5	<90.9	NA
	Pyrene		**8700000**	**500000**	NE	119	978	<4.5	NA	NA	12 J	NA	426	737	<4	64.2	1620	<3.8	<44.3	NA
Metals	Arsenic[2]	mg/kg	**NE**	**0.039**	NE	**4.6**	**5.9**	NA	NA	NA	**3.8**	**4.1**	**5.6**	**4.7**	**5**	**4**	**3.4**	NA	**4.8**	NA
	Barium[3]		**NE**	**15000**	NE	133	NA	NA	NA	NA	44.3	55.7	NA	NA	43.6	46.2	NA	NA	NA	NA
	Cadmium[2]		**NE**	**8**	NE	0.41 J	NA	NA	NA	NA	0.33 J	0.38 J	NA	NA	0.3 J	0.46 J	NA	NA	NA	NA
	Chromium[2]		**NE**	**16000**	NE	15	NA	NA	NA	NA	9.7	6.1	NA	NA	15.2	11.1	NA	NA	NA	NA
	Lead[2]		**NE**	**50**	NE	**123**	NA	8	NA	NA	21.8	3.6	NA	NA	6.7	16.9	NA	NA	NA	NA
	Selenium[3]		**NE**	**390**	NE	2.1 J	NA	NA	NA	NA	0.17	<0.15	NA	NA	<0.19	<0.18	NA	NA	NA	NA
	Silver[2]		**NE**	**390**	NE	0.25 J	NA	NA	NA	NA	0.17 J	0.29 J	NA	NA	0.2 J	0.1 J	NA	NA	NA	NA
	Mercury[3]		**NE**	**5.6**	NE	0.054	NA	NA	NA	NA	0.22	0.0048 J	NA	NA	0.0092 J	0.078	NA	NA	NA	NA
	Copper		**NE**	**NE**	NE	NA	27.6	NA	NA	NA	NA	NA	19.2	18.1	NA	NA	11.6	NA	18	NA
TCLP Metals	Arsenic	mg/L	**NE**	**NE**	5	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium		**NE**	**NE**	100	NA	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium		**NE**	**NE**	1	NA	<0.012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium		**NE**	**NE**	5	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead		**NE**	**NE**	5	NA	0.019 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium		**NE**	**NE**	1	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver		**NE**	**NE**	5	NA	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury		**NE**	**NE**	0.2	NA	0.0012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs	PCB, Total	ug/kg	**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1016 (Aroclor 1016)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1221 (Aroclor 1221)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1232 (Aroclor 1232)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1242 (Aroclor 1242)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1248 (Aroclor 1248)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1254 (Aroclor 1254)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
	PCB-1260 (Aroclor 1260)		**NE**	**NE**	NE	NA	<26.9	NA	NA	NA	NA	NA	<27.7	<26.7	NA	NA	<26.7	NA	<25.8	NA
SVOCs	3,3'-Dichlorobenzidine	ug/kg	**NE**	**NE**	NE	NA	23.5 J	NA	NA	NA	NA	NA	<14.2	<13.7	NA	NA	<13.6	NA	<13.2	NA
	Carbazole		**NE**	**3190**	NE	NA	76 J	NA	NA	NA	NA	NA	34.8 J	76.9 J	NA	NA	76.8 J	NA	<18.8	NA

TABLE H.3.2
GROUNDWATER CHEMISTRY DATA
CASE SUMMARY AND CLOSE OUT REPORT
6900 WEST STATE STREET
WAUWATOSA, WISCONSIN

Group	Constituent	Units	Enforcement Standard	Preventative Action Limit	Sample ID and Sample Date													
					Temporary one-inch diameter PVC groundwater monitoring wells installed during the Phase II ESA								Permanent ch. NR 141 WAC groundwater monitoring wells and piezometers					
					TW-1		TW-4		TW-6		TW-8		MW-1S		MW-1D		MW-2	
					6/28/2010	7/14/2010	6/25/2010	7/14/2010	6/25/2010	7/14/2010	6/25/2010	7/14/2010	1/7/2011	5/12/2011	1/7/2011	5/12/2011	1/10/2011	5/12/2011
VOCs	Bromodichloromethane	ug/L	**0.6**	*0.06*	<0.56	NA	<0.56	NA	<0.56	NA	<0.56	NA	NA	NA	<0.56	NA	NA	NA
	Chloroform		**6**	*0.6*	<1.3	NA	<1.3	NA	<1.3	NA	<1.3	NA	NA	NA	<1.3	NA	NA	NA
	Dibromochloromethane		**60**	*6*	<0.81	NA	<0.81	NA	<0.81	NA	<0.81	NA	NA	NA	<0.81	NA	NA	NA
	Methylene Chloride		**5**	*0.5*	<0.43	NA	<0.43	NA	<0.43	NA	<0.43	NA	NA	NA	*1*	NA	NA	NA
PAHs	Acenaphthene	ug/L	**NE**	*NE*	NA	0.022 J	0.071 J	0.056 J	0.02 J	NA	<0.0052	< 0.0062	<0.92	NA	0.01 J	NA	NA	NA
	Acenaphthylene		**NE**	*NE*	NA	< 0.0044	0.063 J	0.014 J	0.0057 J	NA	0.013 J	< 0.005	<0.97	NA	<0.0037	NA	NA	NA
	Anthracene		**3000**	*600*	NA	0.038 J	0.29	0.13	0.027 J	NA	0.024 J	< 0.0079	<0.61	NA	0.01 J	NA	NA	NA
	Benzo(a)anthracene		**NE**	*NE*	NA	0.011 J	0.71	0.096	0.031 J	NA	0.073	< 0.005	<0.59	NA	0.022 J	NA	NA	NA
	Benzo(a)pyrene		**0.2**	*0.02*	NA	0.01 J	**0.91**	*0.12*	*0.037* J	NA	*0.077*	< 0.0039	<0.94	NA	*0.03* J	NA	NA	NA
	Benzo(b)fluoranthene		**NE**	*NE*	NA	0.011 J	0.68	0.11	0.028 J	NA	0.054	< 0.0047	<1.4	NA	0.036 J	NA	NA	NA
	Benzo(g,h,i)perylene		**NE**	*NE*	NA	0.011 J	0.64	0.12	0.027 J	NA	0.044 J	< 0.0066	<0.75	NA	0.026 J	NA	NA	NA
	Benzo(k)fluoranthene		**NE**	*NE*	NA	0.012 J	0.95	0.13	0.042 J	NA	0.079	< 0.006	<0.99	NA	0.037 J	NA	NA	NA
	Chrysene		**0.2**	*0.02*	NA	0.016 J	**1.1**	*0.12*	*0.045* J	NA	*0.09*	0.0055 J	<0.76	NA	*0.041* J	NA	NA	NA
	Dibenz(a,h)anthracene		**NE**	*NE*	NA	< 0.0039	0.16 J	0.028 J	0.0064 J	NA	0.011 J	< 0.0044	<1.3	NA	0.0056 J	NA	NA	NA
	Fluoranthene		**400**	*80*	NA	0.08	2.1	0.36	0.1	NA	0.17	0.017 J	<0.89	NA	0.097	NA	NA	NA
	Fluorene		**400**	*80*	NA	0.013 J	0.068 J	0.035 J	0.011 J	NA	<0.0055	< 0.0066	<1.1	NA	0.0057 J	NA	NA	NA
	Indeno(1,2,3-cd)pyrene		**NE**	*NE*	NA	0.0088 J	0.52	0.094	0.021 J	NA	0.038 J	< 0.0064	<0.65	NA	0.022 J	NA	NA	NA
	1-Methylnaphthalene		**NE**	*NE*	NA	0.012 J	<0.025	0.02 J	0.015 J	NA	0.0092 J	0.012 J	NA	NA	0.035 J	NA	NA	NA
	2-Methylnaphthalene		**NE**	*NE*	NA	0.018 J	0.021 J	0.026 J	0.016 J	NA	0.015 J	0.021 J	<1.3	NA	0.033 J	NA	NA	NA
	Naphthalene		**100**	*10*	NA	0.043 J	0.055 J	0.058 J	0.057	NA	0.024 J	0.044 J	<0.68	NA	0.21	NA	NA	NA
	Phenanthrene		**NE**	*NE*	NA	0.1	0.92	0.3	0.09	NA	0.055	0.015 J	<0.61	NA	0.067	NA	NA	NA
	Pyrene		**250**	*50*	NA	0.053 J	1.4	0.25	0.076	NA	0.14	0.013 J	<1.6	NA	0.073	NA	NA	NA
Dissolved Metals	Arsenic	ug/L	**10**	*1*	*5.6* J	*6.7* J	*1.7* J	*9* J	**38.8**	**26.2**	**29.1**	**31.8**	*8.1* J	*4.5* J	*4.6* J	*2.6* J	*7.9* J	*3.2* J
	Barium		**2000**	*400*	90.4	NA	26.2	NA	154	NA	122	NA	NA	NA	79.5	NA	NA	NA
	Cadmium		**5**	*0.5*	<0.26	NA	<0.26	NA	0.28 J	NA	0.28 J	NA	NA	NA	< 0.26	NA	NA	NA
	Chromium		**100**	*10*	1.3 J	NA	0.87 J	NA	0.51 J	NA	0.45 J	NA	NA	NA	< 0.50	NA	NA	NA
	Lead		**15**	*1.5*	<1.4	<1.7	*1.7* J	<1.7	*1.6* J	*1.7* J	1.4 J	<1.7	NA	NA	< 1.7	NA	NA	NA
	Selenium		**50**	*10*	2.8 J	NA	2.5 J	NA	<2.1	NA	3.3 J	NA	NA	NA	4.3 J	NA	NA	NA
	Silver		**50**	*10*	0.58 J	NA	<0.46	NA	<0.46	NA	<0.46	NA	NA	NA	< 0.52	NA	NA	NA
	Mercury		**2**	*0.2*	<0.10	NA	<0.10	NA	<0.10	NA	<0.10	NA	NA	NA	< 0.10	NA	NA	NA
	Copper		**1300**	*130*	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	NA	1.2 J	NA	2.9 J	NA
SVOCs	bis(2-Chloroethyl) ether	ug/L	**NE**	NE	NA	NA	NA	NA	NA	NA	NA	NA	0.76 J	NA	0.79	NA	NA	NA
PCBs	PCB, Total	ug/L	**NE**	*NE*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1016 (Aroclor 1016)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1221 (Aroclor 1221)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1232 (Aroclor 1232)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1242 (Aroclor 1242)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1248 (Aroclor 1248)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1254 (Aroclor 1254)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1260 (Aroclor 1260)		**0.03**	*0.003*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE H.3.2
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Group	Constituent	Units	Enforcement Standard	Preventative Action Limit	Sample ID and Sample Date														
					Permanent ch. NR 141 WAC groundwater monitoring wells and piezometers installed during the Site Investigation														
					MW-3		MW-4			MW-5			MW-6S				MW-6D		
					1/7/2011	5/12/2011	1/10/2011	1/25/2011	5/12/2011	1/7/2011	3/28/2011	5/12/2011	1/10/2011	5/12/2011	5/17/2011	6/16/2011	1/7/2011	1/24/2011	5/12/2011
VOCs	Bromodichloromethane	ug/L	**0.6**	*0.06*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.56	NA	NA
	Chloroform		**6**	*0.6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.3	NA	NA
	Dibromochloromethane		**60**	*6*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.81	NA	NA
	Methylene Chloride		**5**	*0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.43	NA	NA
PAHs	Acenaphthene	ug/L	**NE**	*NE*	NA	NA	NA	0.023 J	NA	<0.94	NA	NA	<0.0047	NA	NA	NA	<0.0047	0.0056 J	NA
	Acenaphthylene		**NE**	*NE*	NA	NA	NA	<0.0039	NA	<0.99	NA	NA	<0.0037	NA	NA	NA	<0.0037	<0.0039	NA
	Anthracene		**3000**	*600*	NA	NA	NA	0.02 J	NA	<0.62	NA	NA	0.017 J	NA	NA	NA	0.017 J	0.013 J	NA
	Benzo(a)anthracene		**NE**	*NE*	NA	NA	NA	0.021 J	NA	<0.61	NA	NA	0.041 J	NA	NA	NA	0.041 J	0.048 J	NA
	Benzo(a)pyrene		**0.2**	*0.02*	NA	NA	NA	*0.03* J	NA	<0.96	NA	NA	*0.051*	NA	NA	NA	*0.051*	*0.1*	NA
	Benzo(b)fluoranthene		**NE**	*NE*	NA	NA	NA	0.041 J	NA	<1.4	NA	NA	0.069	NA	NA	NA	0.069	0.13	NA
	Benzo(g,h,i)perylene		**NE**	*NE*	NA	NA	NA	0.027 J	NA	<0.76	NA	NA	0.051	NA	NA	NA	0.051	0.094	NA
	Benzo(k)fluoranthene		**NE**	*NE*	NA	NA	NA	0.036 J	NA	<1.0	NA	NA	0.065	NA	NA	NA	0.065	0.14	NA
	Chrysene		**0.2**	*0.02*	NA	NA	NA	*0.05* J	NA	<0.77	NA	NA	*0.068*	NA	NA	NA	*0.068*	*0.14*	NA
	Dibenz(a,h)anthracene		**NE**	*NE*	NA	NA	NA	0.0057 J	NA	<1.4	NA	NA	0.019 J	NA	NA	NA	0.019 J	0.025 J	NA
	Fluoranthene		**400**	*80*	NA	NA	NA	0.16	NA	<0.90	NA	NA	0.14	NA	NA	NA	0.14	0.28	NA
	Fluorene		**400**	*80*	NA	NA	NA	0.01 J	NA	<1.1	NA	NA	<0.0050	NA	NA	NA	<0.0050	<0.0052	NA
	Indeno(1,2,3-cd)pyrene		**NE**	*NE*	NA	NA	NA	0.02 J	NA	<0.66	NA	NA	0.045 J	NA	NA	NA	0.045 J	0.078	NA
	1-Methylnaphthalene		**NE**	*NE*	NA	NA	NA	0.0058 J	NA	NA	NA	NA	0.0061 J	NA	NA	NA	0.0061 J	<0.0054	NA
	2-Methylnaphthalene		**NE**	*NE*	NA	NA	NA	<0.0042	NA	<1.3	NA	NA	0.01 J	NA	NA	NA	0.01 J	0.0057 J	NA
	Naphthalene		**100**	*10*	NA	NA	NA	0.012 J	NA	<0.70	NA	NA	0.0066 J	NA	NA	NA	0.0066 J	0.0082 J	NA
	Phenanthrene		**NE**	*NE*	NA	NA	NA	0.074	NA	<0.63	NA	NA	0.075	NA	NA	NA	0.075	0.11	NA
	Pyrene		**250**	*50*	NA	NA	NA	0.11	NA	<1.6	NA	NA	0.1	NA	NA	NA	0.1	0.19	NA
Dissolved Metals	Arsenic	ug/L	**10**	*1*	*6.2* J	*2.7* J	*5.3* J	NA	*4.5* J	**11.9** J	*7.3* J	*9.7* J	*6.5* J	**14.2** J	**10.5** J	**11.6**	*5.8* J	NA	< 1.3
	Barium		**2000**	*400*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	NA	NA
	Cadmium		**5**	*0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	NA	NA
	Chromium		**100**	*10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA
	Lead		**15**	*1.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*2* J	NA	NA
	Selenium		**50**	*10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5 J	NA	NA
	Silver		**50**	*10*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.69 J	NA	NA
	Mercury		**2**	*0.2*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	NA	NA
	Copper		**1300**	*130*	0.6 J	NA	2.1 J	NA	NA	1.1 J	NA	NA	2.6 J	NA	NA	NA	0.49 J	NA	NA
SVOCs	bis(2-Chloroethyl) ether	ug/L	**NE**	NE	NA	NA	NA	NA	NA	0.77	NA	NA	<0.64	NA	NA	NA	0.76	NA	NA
PCBs	PCB, Total	ug/L	**NE**	*NE*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1016 (Aroclor 1016)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1221 (Aroclor 1221)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1232 (Aroclor 1232)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1242 (Aroclor 1242)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1248 (Aroclor 1248)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1254 (Aroclor 1254)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB-1260 (Aroclor 1260)		**0.03**	*0.003*	NA	NA	<0.30	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Group	Constituent	Units	Enforcement Standard	Preventative Action Limit	Sample ID and Sample Date										
					Permanent ch. NR 141 WAC groundwater monitoring wells						QA/QC Samples				
					MW-8				MW-11		Drilling Fluid	MW-8-FD		Trip Blank	
					1/10/2011	3/28/2011	5/12/2011	6/16/2011	1/10/2011	5/12/2011	1/7/2011	1/10/2011	5/12/2011	6/25/2010	1/10/2011
VOCs	Bromodichloromethane	ug/L	**0.6**	*0.06*	NA	NA	NA	NA	<0.56	NA	**1.7**	<0.56	NA	<0.56	<0.56
	Chloroform		**6**	*0.6*	NA	NA	NA	NA	<1.3	NA	**1.4**	<1.3	NA	<1.3	<1.3
	Dibromochloromethane		**60**	*6*	NA	NA	NA	NA	<0.81	NA	**1.4**	<0.81	NA	<0.81	<0.81
	Methylene Chloride		**5**	*0.5*	NA	NA	NA	NA	<0.43	NA	<0.43	*0.82*	NA	<0.43	<0.43
PAHs	Acenaphthene	ug/L	**NE**	*NE*	<1.1	NA	NA	NA	<0.0051	NA	NA	0.025 J	NA	NA	NA
	Acenaphthylene		**NE**	*NE*	<1.1	NA	NA	NA	<0.0040	NA	NA	0.0083 J	NA	NA	NA
	Anthracene		**3000**	*600*	<0.71	NA	NA	NA	<0.0064	NA	NA	0.018 J	NA	NA	NA
	Benzo(a)anthracene		**NE**	*NE*	<0.70	NA	NA	NA	<0.0040	NA	NA	0.0077 J	NA	NA	NA
	Benzo(a)pyrene		**0.2**	*0.02*	<1.1	NA	NA	NA	<0.0032	NA	NA	0.0052 J	NA	NA	NA
	Benzo(b)fluoranthene		**NE**	*NE*	<1.6	NA	NA	NA	<0.0038	NA	NA	0.0061 J	NA	NA	NA
	Benzo(g,h,i)perylene		**NE**	*NE*	<0.88	NA	NA	NA	<0.0054	NA	NA	0.0063 J	NA	NA	NA
	Benzo(k)fluoranthene		**NE**	*NE*	<1.2	NA	NA	NA	<0.0049	NA	NA	0.0074 J	NA	NA	NA
	Chrysene		**0.2**	*0.02*	<0.89	NA	NA	NA	<0.0039	NA	NA	0.0084 J	NA	NA	NA
	Dibenz(a,h)anthracene		**NE**	*NE*	<1.6	NA	NA	NA	<0.0036	NA	NA	0.0052 J	NA	NA	NA
	Fluoranthene		**400**	*80*	<1.0	NA	NA	NA	<0.0049	NA	NA	0.023 J	NA	NA	NA
	Fluorene		**400**	*80*	<1.3	NA	NA	NA	<0.0053	NA	NA	0.02 J	NA	NA	NA
	Indeno(1,2,3-cd)pyrene		**NE**	*NE*	<0.76	NA	NA	NA	<0.0052	NA	NA	0.0064 J	NA	NA	NA
	1-Methylnaphthalene		**NE**	*NE*	NA	NA	NA	NA	<0.0056	NA	NA	0.052	NA	NA	NA
	2-Methylnaphthalene		**NE**	*NE*	<1.5	NA	NA	NA	<0.0043	NA	NA	0.052	NA	NA	NA
	Naphthalene		**100**	*10*	<0.80	NA	NA	NA	0.0069 J	NA	NA	0.11	NA	NA	NA
	Phenanthrene		**NE**	*NE*	<0.72	NA	NA	NA	<0.0090	NA	NA	0.058	NA	NA	NA
	Pyrene		**250**	*50*	<1.8	NA	NA	NA	<0.0053	NA	NA	0.014 J	NA	NA	NA
Dissolved Metals	Arsenic	ug/L	**10**	*1*	**12.1** J	*5.9* J	*4.1* J	*3.4*	*7.8* J	*2.6* J	**1.9** J	**11.7** J	*3.9* J	NA	NA
	Barium		**2000**	*400*	NA	NA	NA	NA	196	NA	**17.4**	110	NA	NA	NA
	Cadmium		**5**	*0.5*	NA	NA	NA	NA	0.3 J	NA	<0.26	<0.26	NA	NA	NA
	Chromium		**100**	*10*	NA	NA	NA	NA	<0.50	NA	<0.50	<0.50	NA	NA	NA
	Lead		**15**	*1.5*	NA	NA	NA	NA	*2.5* J	NA	<1.7	*2.1* J	NA	NA	NA
	Selenium		**50**	*10*	NA	NA	NA	NA	2.5 J	NA	<2.0	6 J	NA	NA	NA
	Silver		**50**	*10*	NA	NA	NA	NA	1.1 J	NA	<0.52	<0.52	NA	NA	NA
	Mercury		**2**	*0.2*	NA	NA	NA	NA	<0.10	NA	<0.10	<0.10	NA	NA	NA
	Copper		**1300**	*130*	<0.42	NA	NA	NA	7.2 J	NA	NA	<0.42	NA	NA	NA
SVOCs	bis(2-Chloroethyl) ether	ug/L	**NE**	NE	0.9	NA	NA	NA	NA	NA	NA	<0.72	NA	NA	NA
PCBs	PCB, Total	ug/L	**NE**	*NE*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1016 (Aroclor 1016)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1221 (Aroclor 1221)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1232 (Aroclor 1232)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1242 (Aroclor 1242)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1248 (Aroclor 1248)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1254 (Aroclor 1254)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA
	PCB-1260 (Aroclor 1260)		**0.03**	*0.003*	<0.30	NA	NA	NA	<0.33	NA	NA	<0.33	NA	NA	NA

TABLE H.3.2
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NOTES:
SB = Soil boring
ug/L = micrograms per liter
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
NA = Not analyzed or not applicable
ND = None detected
NE = not established
PAH = polynuclear aromatic hydrocarbons
RCRA = Resource Conservation and Recovery Act
TW = Temporary Well
ug/kg = micrograms per kilogram
VOCs = volatile organic compounds
Only VOCs detected in at least one sample are shown on this table.

The concentration of PAHs reported at MW-1S, MW-5, and MW-8 are results generated during SVOC analysis; therefore the detection limits may not be less than the PAL or ES due to adjusted reporting limits.

Sample "MW-8-FD" submitted for PAH analysis was mislabeled and represents the primary sample.
Enforcement Standard per Ch. NR 140 Wisc. Admin. Code, Table 1
Preventative Action Limit per Ch. NR 140 Wisc. Admin. Code, Table 1
Cells with *italicized font* exceed the Preventative Action Limit
Cells with **bold font** exceed the Enforcement Standard

TABLE H.3.3
SURVEY AND GROUNDWATER ELEVATION MEASUREMENTS
CASE SUMMARY AND CLOSE OUT REPORT
6900 WEST STATE STREET
WAUWATOSA, WISCONSIN

LOCATION	ELEVATION TOC feet amsl	ELEVATION TOG feet amsl	ELEVATION TOS feet amsl	WATER LEVEL 1/10/2011 (ft below TOC)	WATER TABLE ELEVATION 1/10/2011 feet amsl	WATER LEVEL 1/24/2011 (ft below TOC)	WATER TABLE ELEVATION 1/24/2011 feet amsl	WATER LEVEL 3/28/2011 (ft below TOC)	WATER TABLE ELEVATION 3/28/2011 feet amsl	WATER LEVEL 5/5/2011 (ft below TOC)	WATER TABLE ELEVATION 5/5/2011 feet amsl	WATER LEVEL 5/12/2011 (ft below TOC)	WATER TABLE ELEVATION 5/12/2011 feet amsl	WATER LEVEL 6/16/2011 (ft below TOC)	WATER TABLE ELEVATION 6/16/2011 feet amsl
MW-1S	643.45	643.79	640.38	3.83	639.62	3.96	639.49	1.94	641.51	1.85	641.60	2.14	641.31	2.37	641.08
MW-1D	643.44	643.82	619.89	9.07	634.37	9.12	634.32	8.26	635.18	8.32	635.12	8.48	634.96	8.61	634.83
MW-2	643.27	644.03	641.65	3.30	639.97	Dry	< 639.65	Dry	< 639.65	NM	< 639.65	1.71	641.56	1.73	641.54
MW-3	642.90	643.33	639.40	3.38	639.52	3.67	639.23	1.74	641.16	1.65	641.25	1.87	641.03	2.03	640.87
MW-4	643.04	643.33	639.99	3.40	639.64	3.61	639.43	1.60	641.44	1.55	641.49	1.68	641.36	1.97	641.07
MW-5	643.53	643.83	640.31	3.51	640.02	3.69	639.84	3.65	639.88	1.76	641.77	1.96	641.57	2.11	641.42
MW-6S	642.76	643.05	638.92	4.11	638.65	4.30	638.46	2.95	639.81	3.03	639.73	3.21	639.55	3.21	639.55
MW-6D	642.81	643.05	617.54	8.50	634.31	8.70	634.11	7.71	635.10	7.76	635.05	7.93	634.88	8.04	634.77
MW-8	642.67	643.25	640.90	3.40	639.27	3.62	639.05	2.13	640.54	2.18	640.49	2.34	640.33	2.39	640.28
MW-9	642.08	642.45	638.19	Dry	< 633.19	Dry	< 633.19	8.31	633.77	Dry	< 633.19	Dry	< 633.19	8.55	< 633.19
MW-10	642.96	643.29	641.04	Dry	< 636.04	Dry	< 636.04	Dry	< 636.04	Dry	< 636.04	Dry	< 636.04	Dry	< 636.04
MW-11	641.33	641.85	635.51	9.00	632.33	9.07	632.26	8.39	632.94	8.51	632.82	8.67	632.66	8.72	632.61

Note:
amsl - above mean sea level
TOC - Top of Well Casing
TOG - Top of Ground Surface
BOW - Bottom of Well
TOS - Top of Well Screen
NM - Not Measured
MW - Monitoring Well
MW-1D and MW-6D are 2-inch diameter ch. NR 141 WAC piezometers completed in the underlying bedrock.
Remaining wells are 2-inch diameter ch. NR 141 WAC groundwater monitoring wells.