GIS REGISTRY INFORMATION

SITE NAME:	BAAP Powerhouse #1 Fuel Oil Discharge		
BRRTS #:	~~02-57-549439~~	**FID # (if appropriate):**	03-57-000 714
COMMERCE # (if appropriate):			
CLOSURE DATE:	04-Jun-2007		
STREET ADDRESS:	2 Badger road		
CITY:	Baraboo		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 539138	**Y=** 322128	

CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:			Yes	X	No	
IF YES, STREET ADDRESS 1:						
GPS COORDINATES (meters in WTM91 projection):		**X=**		**Y=**		
IF YES, STREET ADDRESS 2:						
GPS COORDINATES (meters in WTM91 projection):		**X=**		**Y=**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):			Yes	X	No	
IF YES, STREET ADDRESS 1:						
GPS COORDINATES (meters in WTM91 projection):		**X=**		**Y=**		
CONTAMINATION IN RIGHT OF WAY:			Yes	X	No	

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of most recent deed, including legal description, for all affected properties	
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	NA
Copy of any maintenance plan referenced in the deed restriction.	NA

revised 7/2/03

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

June 4, 2007

Ms. Joan Kenney - Installation Director
Badger Army Ammunition Plant
2 Badger Road
Baraboo, WI 53913-5000

Subject: Site Closure Approval for the BAAP – Powerhouse #1 Fuel Oil Discharge Site; Sauk County; BRRTS Number 02-57-549430

Dear Ms. Kenney:

On February 20, 2007, the South Central Region Closure Committee reviewed your request for closure of the case described above. The closure committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On February 23, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

Early last month, the Department received correspondence that included documentation that compliance has been achieved with the one requirement for closure of the site: the abandonment of the monitoring and remediation system wells associated with your site. Based on this correspondence and the information provided, your case appears to meet the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation, or other action is required at this time. Please be aware that this 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 the environment.

This site will be listed on the DNR Remediation and Redevelopment Program's GIS Registry of Closed Remediation Sites for remaining soil and groundwater contamination. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm

If construction or reconstruction of a water supply well is proposed in the area of this closed site that has remaining contamination, Department approval of the well will be necessary in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 must be completed and submitted to the DNR Drinking and Groundwater Program's regional water supply specialist. This form can be obtained on-line at http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at the address listed above or an indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
608-275-3286
harlan.kuehling@wisconsin.gov

cc: Joel Janssen – SpecPro, Inc.
Laura Olah – CSWAB

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

February 23, 2007

Ms. Joan Kenney – Installation Director
Badger Army Ammunition Plant
2 Badger Road
Baraboo, WI 53913-5000

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure of the Powerhouse #1 Fuel Oil Discharge Site, Badger Army Ammunition Plant, Baraboo, WI; Sauk County; WDNR BRRTS Activity No 02-57-001002

Dear Ms. Kenney:

On February 21, 2007, I sent the original version of this letter to you. The fourth paragraph of that letter contained several typographical errors that are revised in the version below.

****

On February 20, 2007, the South Central Region closure committee reviewed the Army's request for closure of the site identified above. This closure committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the closure committee has determined that the petroleum contamination on the site from the former fuel oil discharges appears to have been investigated and remediated to the extent practicable under site conditions.

Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following condition is satisfied. The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code, as must any remaining remediation system wells (for example, bioventing wells and free product/groundwater extraction wells). Documentation of well abandonment must be submitted to me on Form 3300-5B that is available at www.dnr.state.wi.us/org/water/dwg/gw/ or can otherwise be provided by the Department. When the above condition has been satisfied, please submit a letter to me that verifies the completion of this condition and this case will then be closed. Please note in the letter any of the groundwater monitoring wells associated with this site that you prefer to not abandon but to use as part of other BAAP site investigations.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites for groundwater and soil contamination. Information that was submitted with your closure request application will be included on the GIS Registry. You can visit the GIS Registry web page at http://maps.dnr.state.wi.us/brrts

Note that soil contaminated with petroleum-related volatile organic compounds and polycyclic aromatic

hydrocarbons in the vicinity of the former fuel oil tanks remains at this site, as indicated by the soil analytical results submitted for the site. If this contaminated soil is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste, and must be disposed of in accordance with applicable statutes and rules.

Please be aware that this 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 the address listed above or as indicated below.

Sincerely,

Hank Kuehling

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
608.275.3286
harlan.kuehling@dnr.state.wi.us

cc: Joel Janssen – SpecPro, Inc.
Laura Olah - CSWAB

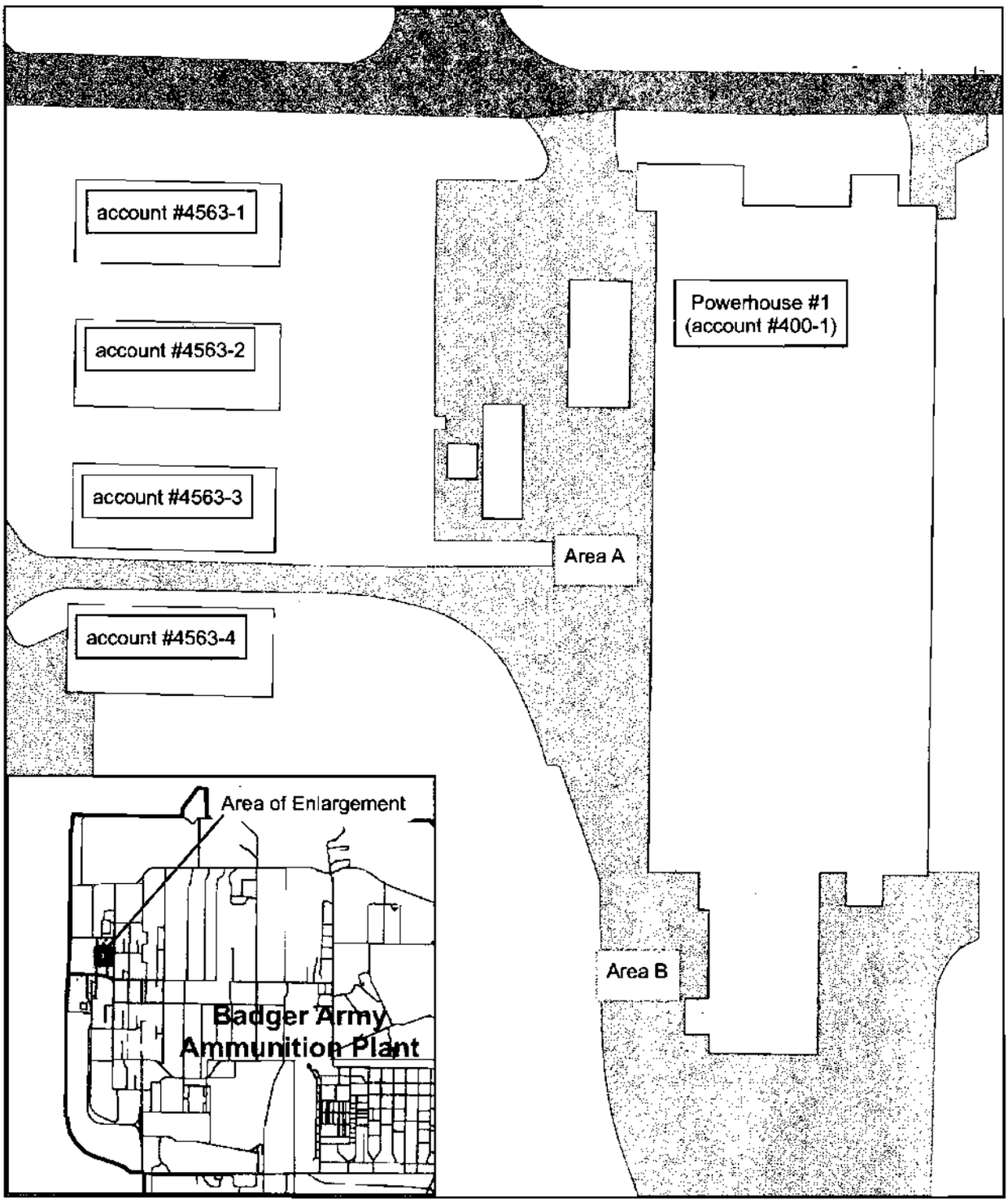


Figure 1
Location of Powerhouse #1 (account #400-1)

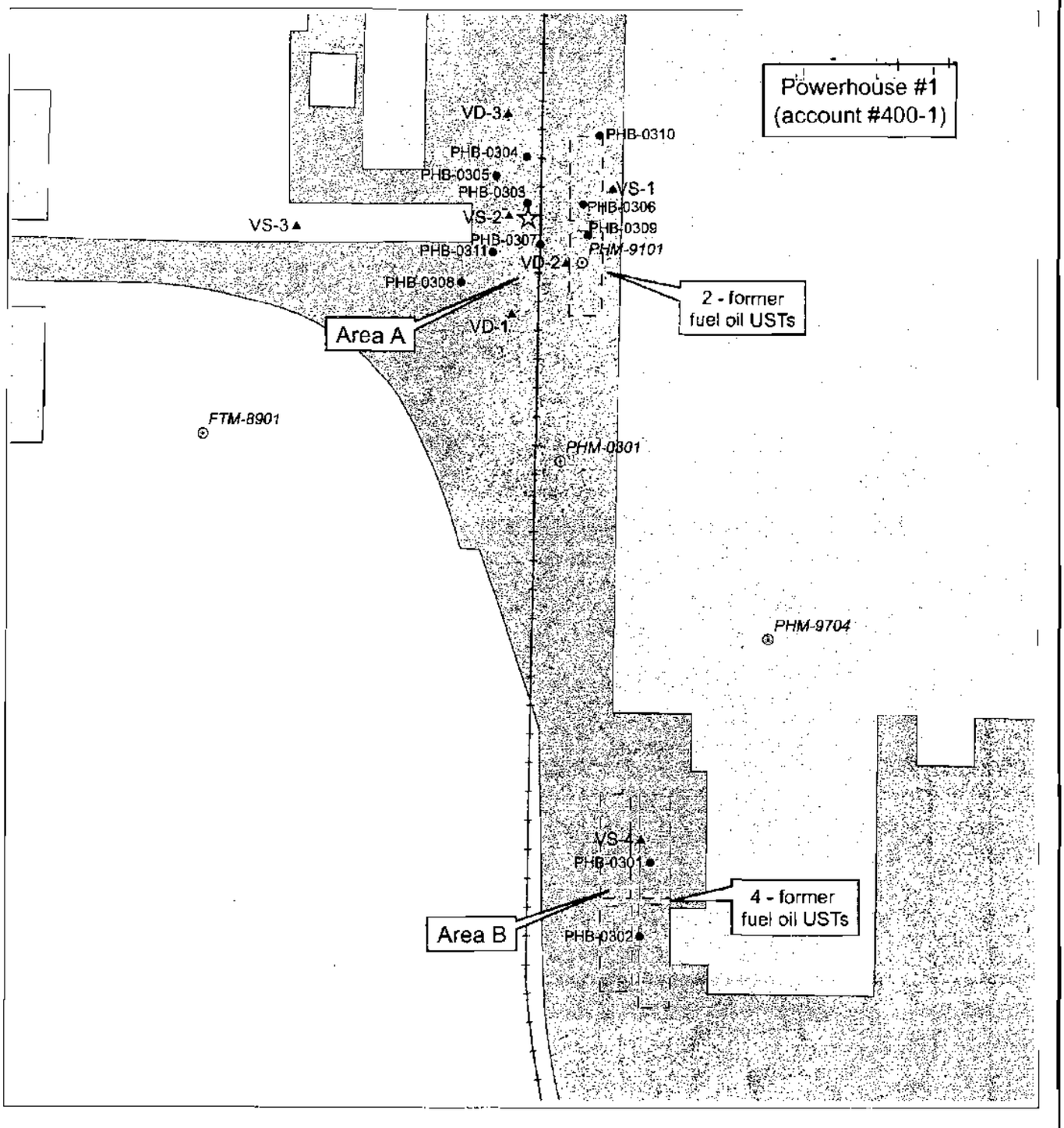
Legend

Parcel R

0 0.0045 0.009 0.018 Miles

N

SpecPro
Badger GIS/Mapping Services



Legend

- ☆ **1991 Spill Location**
- ● **Soil Boring**
- **Monitoring Well**
- ▲ **Biovent Well**
- **Asphalt**
- **Building**
- **Former UST Location**

Figure 2
Location of Soil Borings,
Monitoring Wells and Biovent Wells

0 15 30 60 90 Feet

N

SpecPro
Badger GIS/Mapping Services

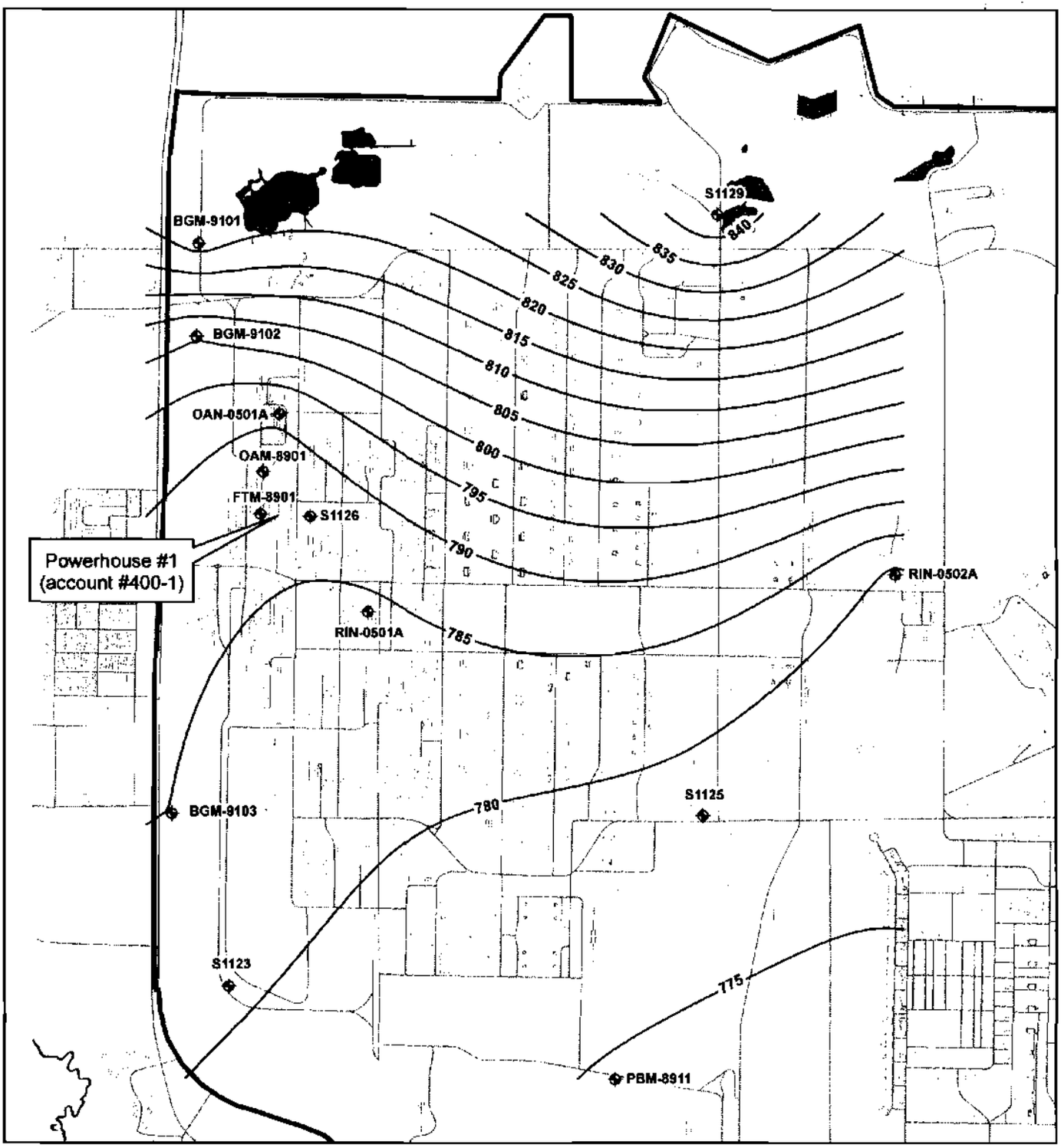


Figure 3
Regional Groundwater Flow

Legend

- Monitoring Well
- Groundwater Contour
- Site Boundary
- Pond

Based on June 2006 Contours
Badger Army Ammunition Plant

Feet
2,000 1,000 0 2,000

N

Contour Interval = 5 feet

SpecPro

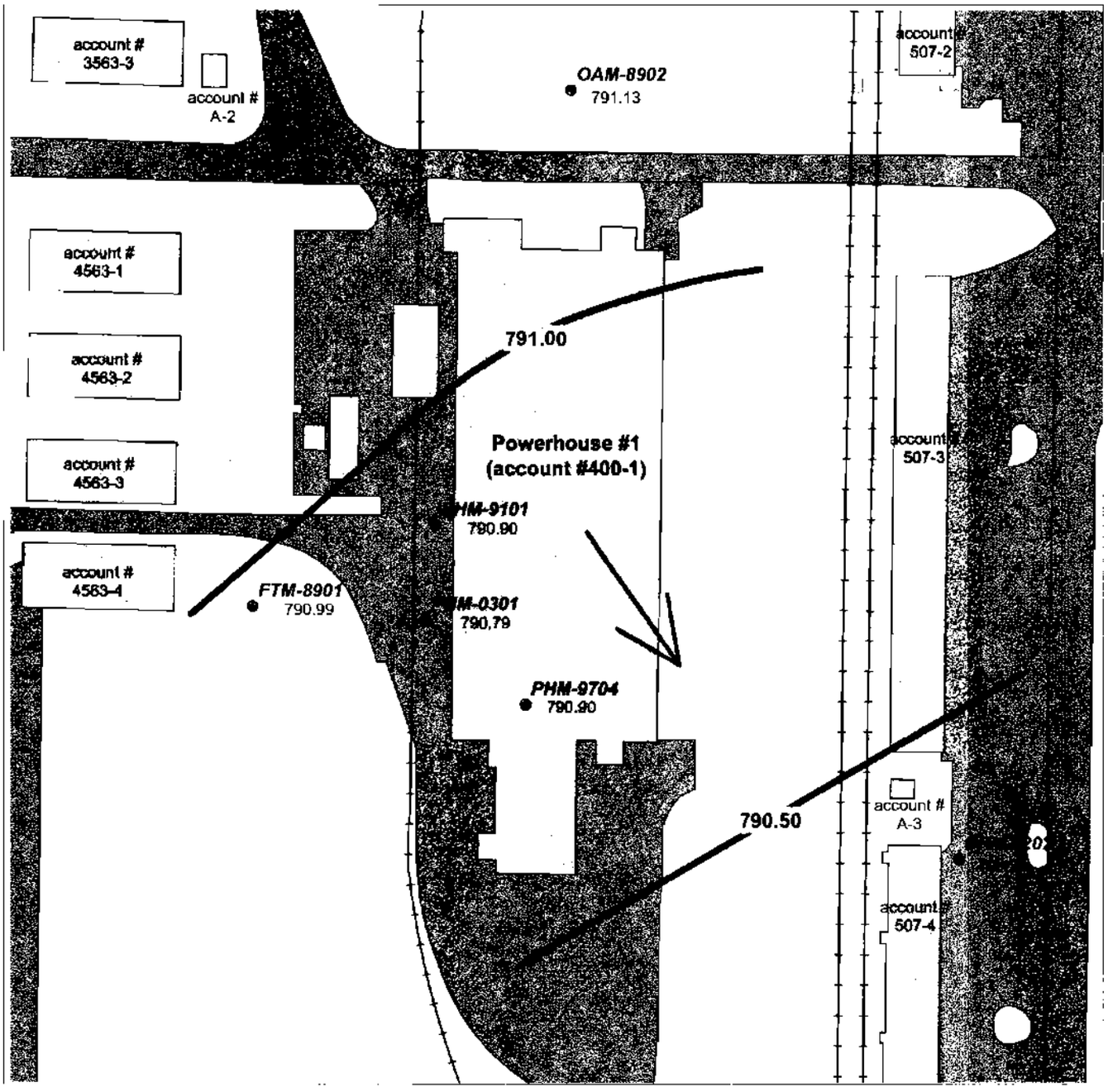


Figure 4
Water Table Contour Map - April 4, 2005

Powerhouse #1 Fuel Oil Remediation

Legend

- Monitoring Well
- Railroad
- Groundwater Contour
- Direction of Groundwater Flow
- Asphalt
- Building

0 25 50 100 150 200 Feet

Contour Interval = 0.5 feet

N

SpecPro

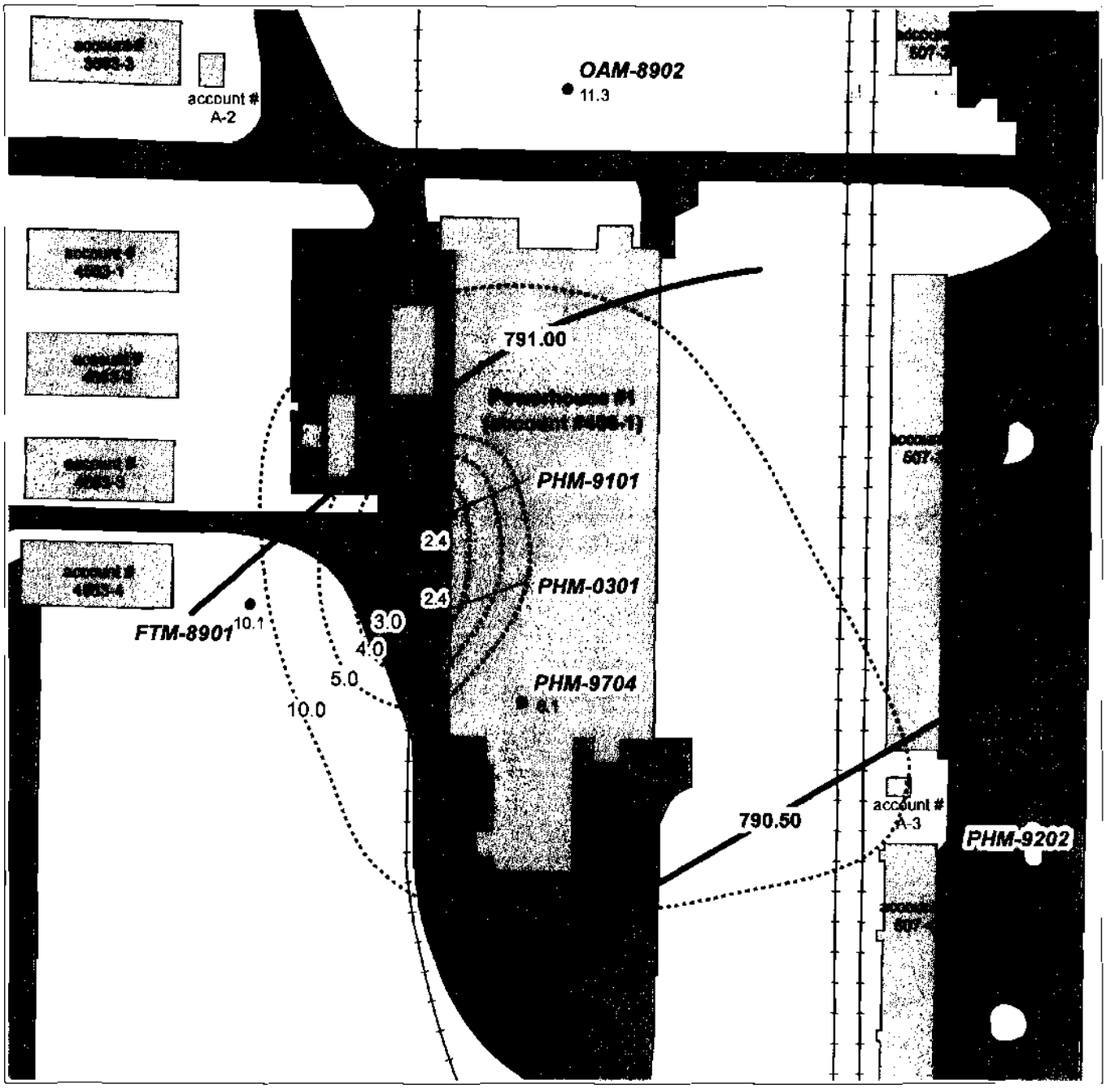


Figure 5

Dissolved Oxygen Concentrations in Groundwater

(April 4, 2005)

Powerhouse #1 Fuel Oil Remediation

Legend

- Monitoring Well
- Railroad
- Groundwater Contour
- Dissolved Oxygen Contour*
- Asphalt
- Building

0 25 50 100 150 200 Feet

N

SpecPro

*Dissolved Oxygen values are reported in units of mg/L.

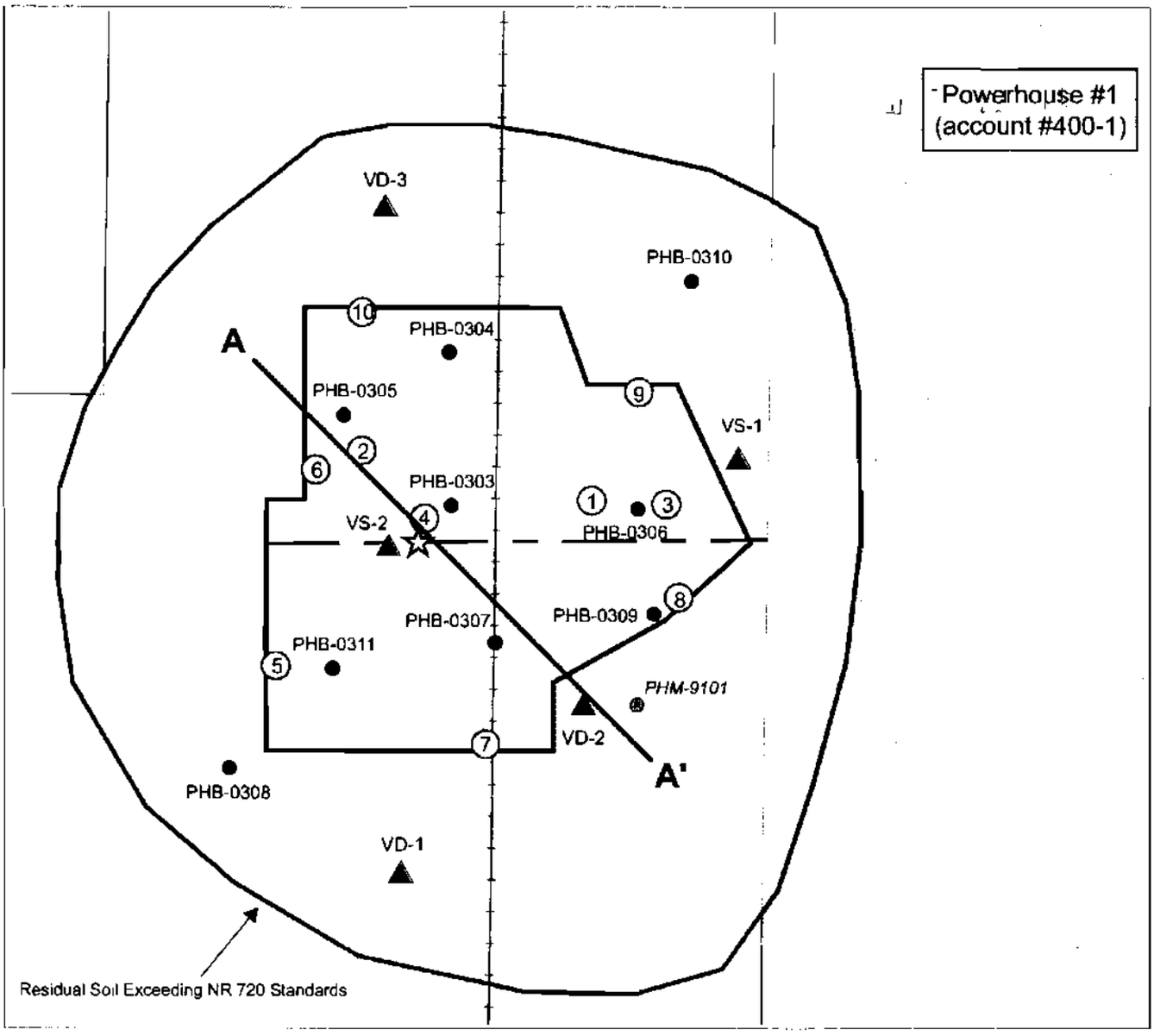


Figure 6
Extent of Soil Excavation and Soil Sample Locations

Soil Sample ID Key

1 = PH-EXC-01
2 = PH-EXC-02
3 = PH-BOTT-03
4 = PH-BOTT-04
5 = PH-WALL-05
6 = PH-WALL-06
7 = PH-WALL-07
8 = PH-WALL-08
9 = PH-WALL-09
10 = PH-WALL-10

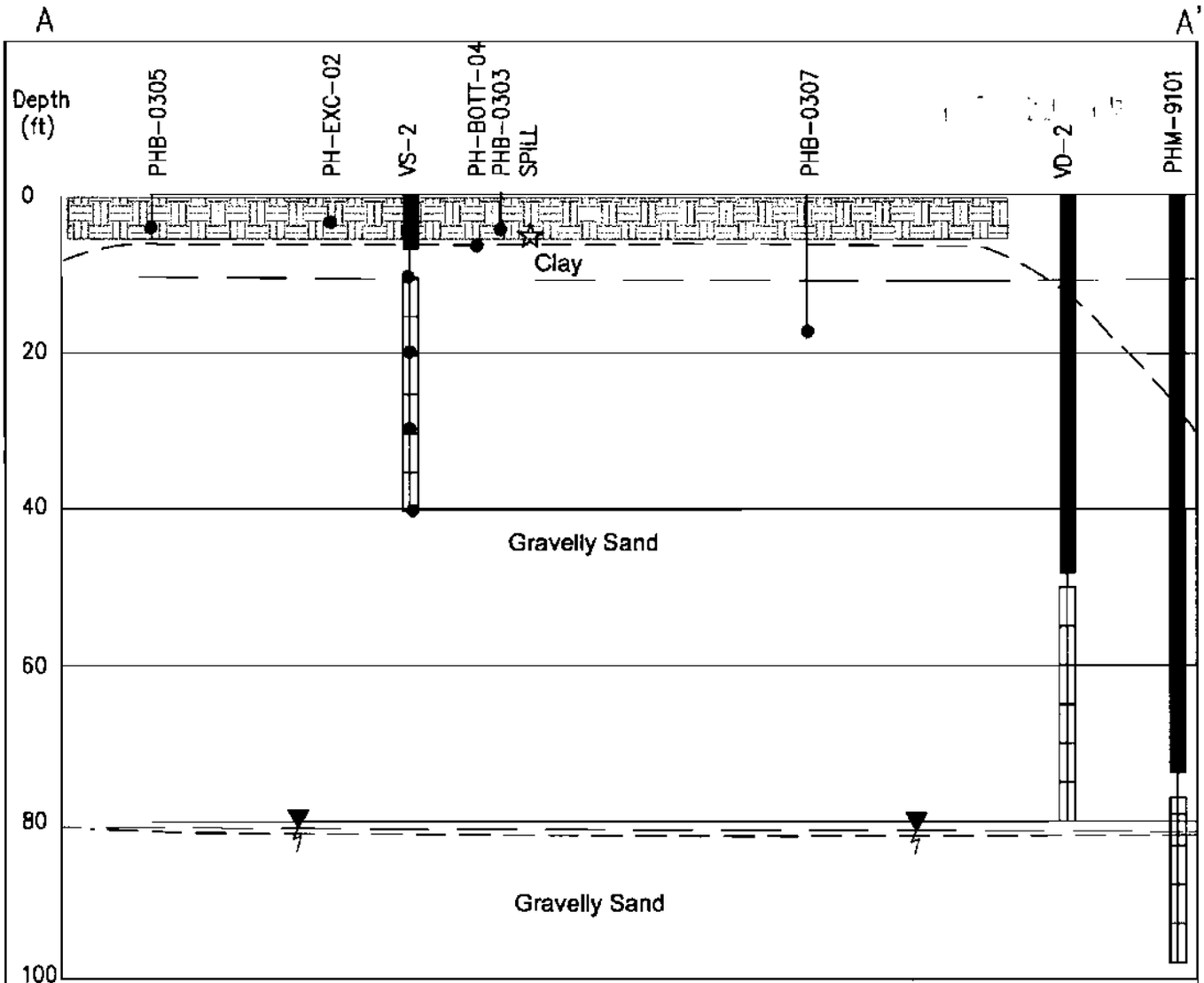
0 5 10 20 30 Feet

Legend

- Extent of Excavation
- Post Excavation Soil Sample
- Soil Boring
- 1991 Spill Location
- Former Underground Fuel Oil Pipe
- Residual Soil Exceeding NR 720 Standards
- Biovent Well
- Monitoring Well
- Railroad
- Building

N

SpecPro
Badger GIS Mapping Services



Geologic Cross-Section
Powerhouse #1 Fuel Oil Remediation

LEGEND

- BENTONITE LOCATION
- SCREEN LOCATION
- GROUNDWATER TABLE
- SAMPLE LOCATION
- SOIL EXCAVATION
- RESIDUAL SOIL EXCEEDING NR 720 STANDARDS

SCALE: HORIZ. 1" = 5'
VERT. 1" = 20'

SpecPro
Badger GIS/Mapping Services

Table 3
Groundwater Elevation Data
Powerhouse #1 Fuel Oil Remediation

PHM-0301		
Surface Elevation		871.63
Top of Casing Elevation		873.44
Top of Screen Elevation		794.63
Bottom of Screen Elevation		779.63
Measurement Date	DTW (casing)	Groundwater Elevation
1/8/2004	85.44	788.00
4/28/2004	86.61	786.83
6/24/2004	84.25	789.19
9/29/2004	83.80	789.64
1/3/2005	82.44	791.00
4/4/2005	82.65	790.79
2/8/2006	84.81	788.63

PHM-9101		
Surface Elevation		870.96
Top of Casing Elevation		873.20
Top of Screen Elevation		788.66
Bottom of Screen Elevation		773.46
Measurement Date	DTW (casing)	Groundwater Elevation
1/8/2004	85.40	787.80
4/28/2004	86.51	786.69
6/24/2004	86.22	786.98
9/29/2004	83.40	789.80
1/3/2005	82.13	791.07
4/4/2005	82.30	790.90
2/8/2006	84.67	788.53

PHM-9202		
Surface Elevation		877.26
Top of Casing Elevation		879.54
Top of Screen Elevation		791.26
Bottom of Screen Elevation		776.26
Measurement Date	DTW (casing)	Groundwater Elevation
9/29/2003	91.36	788.18
4/28/2004	93.33	786.21
6/24/2004	93.23	786.31
9/29/2004	90.40	789.14
1/4/2005	89.10	790.44
4/4/2005	89.33	790.21

PHM-9704		
Surface Elevation		871.47
Top of Casing Elevation		871.45
Top of Screen Elevation		796.97
Bottom of Screen Elevation		781.97
Measurement Date	DTW (casing)	Groundwater Elevation
9/29/2003	82.59	788.86
4/28/2004	84.41	787.04
6/24/2004	86.40	785.05
1/3/2005	80.36	791.09
4/4/2005	80.55	790.90
2/8/2006	82.73	788.72

FTM-8901		
Surface Elevation		872.40
Top of Casing Elevation		874.29
Top of Screen Elevation		792.40
Bottom of Screen Elevation		772.40
Measurement Date	DTW (casing)	Groundwater Elevation
9/29/2003	85.49	788.80
4/28/2004	87.29	787.00
6/24/2004	87.15	787.14
9/29/2004	84.40	789.89
1/3/2005	83.15	791.14
4/4/2005	83.30	790.99
2/8/2006	85.55	788.74

OAM-8902		
Surface Elevation		872.40
Top of Casing Elevation		874.95
Top of Screen Elevation		790.40
Bottom of Screen Elevation		770.40
Measurement Date	DTW (casing)	Groundwater Elevation
9/29/2003	86.03	788.92
4/28/2004	87.97	786.98
6/24/2004	87.60	787.35
9/29/2004	84.80	790.15
1/3/2005	83.72	791.23
4/4/2005	83.82	791.13

DTW = depth to water from top of casing

Table 1
Summary of Soil Boring Analytical Results
Powerhouse #1 Fuel Oil Remediation [1]

Sample ID	Sample Date	Sample Depth (ft)	DRO	Ethylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o-Xylene	m,p-Xylene
PHB-0301-11	4/1/03	11	<10.0	0.0075	<0.005	<0.005	<0.005	<0.0045	0.006
PHB-0301-30	4/1/03	30	<10.0	0.009	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0301-50	4/1/03	50	<10.0	0.007	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0302-11	4/1/03	11	<10.0	0.008	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0302-30	4/1/03	30	**200**	0.0075	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0302-50	4/1/03	50	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0303-04	4/1/03	4	**5,100**	***7.640***	0.135	27.80	0.405	**1.18**	**4.32**
PHB-0304-04	4/1/03	4	<10.0	0.17	<0.005	0.430	<0.05	<0.045	0.075
PHB-0305-04	4/1/03	4	**3,200**	0.785	<0.005	4.70	1.52	0.315	0.430
PHB-0306-11	4/1/03	11	10.0	0.011	0.0145	0.0255	0.015	0.0125	0.022
PHB-0307-18	4/1/03	18	85.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0308-10	4/2/03	10	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0310-10	4/2/03	10	**15,000**	0.164	<0.01	1.10	0.385	0.116	0.024
PHB-0311-20	4/2/03	20	21.0	<0.005	<0.005	0.0075	<0.005	<0.0045	<0.005
PHB-0311-30	4/2/03	30	**2,300**	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHB-0311-50	4/2/03	50	**4,100**	<0.005	<0.005	<0.005	0.007	<0.0045	<0.005
PHM-0301-10	6/25/03	10	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHM-0301-30	6/25/03	30	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHM-0301-50	6/25/03	50	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
PHM-0301-80	6/25/03	80	<10.0	<0.005	<0.005	<0.005	<0.005	<0.0045	<0.005
NR 720 Soil Cleanup Standard			**100**	---	---	---	---	---	---
NR 720 Table 1 [2]			---	**2.9**	**1.5**	---	---	**4.1** [4]	**4.1** [4]
NR 746 Table 1 [3]			---	*4.6*	*38*	*83*	*11*	*42* [4]	*42* [4]

Notes

Bolded text denotes an NR 720 exceedance and *italicized* text denotes an NR 746 exceedance.

DRO = Diesel Range Organics

[1] All parameters are listed in units of mg/kg

[2] NR 720 Table 1: Baseline Concentrations, Dilution Attenuation Factors and Residual Contaminant Levels Based on Protection of Groundwater.

[3] NR 746 Table 1: Indicators of Residual Petroleum Product in Soil Pores.

[4] Regulatory limit is for total Xylenes.

Table 4
Summary of Groundwater Analytical Results
Powerhouse #1 Fuel Oil Remediation [1]

Sample Date	Diesel Range Organics	PVOCs							VOCs							PAHs																		
		Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	sec-Butylbenzene	tert-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Butylbenzene	n-Propylbenzene	2-Chlorotoluene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene [2]	Phenanthrene	Pyrene
FTM 8901																																		
2/11/02	130	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/28/02	120	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/26/02	130	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
11/18/02	<100	<0.08	<0.07	0.08	0.1	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2/11/03	250	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/20/03	<100	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/19/03	330	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9/29/03	NT	<0.2	<0.2	<0.06	<0.03	<0.2	<0.05	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.022	<0.082	<0.026	<0.019	<0.018	<0.020	<0.021	<0.016	<0.018	<0.051	<0.012	<0.022	<0.022	<0.020	<0.037	<0.013	<0.030	<0.013
9/29/2003(D)	NT	<0.2	<0.2	<0.06	<0.03	<0.2	<0.05	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.7	<1.2	<1.1	<0.6	NT	NT	<0.6	<0.7	NT	NT	<0.7	<0.7	<0.5	<0.6	<0.7	0.7	<0.6	<0.7
4/28/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	5.9	<0.50	0.84	<0.16	<0.11	<0.18	<0.11	<0.12	<0.21	<0.16	<0.10	0.89	<0.37	4.1	7.6	8.1	7.9	<0.11
4/28/2004(D)	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
6/24/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	0.11	0.047	<0.011
6/24/2004(D)	NT	<0.2	<0.2	<0.2	<1.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	0.11	<0.017	<0.012
9/29/04	NT	<0.4	<0.4	<0.3	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
9/29/2004(D)	NT	<0.4	<0.4	<0.3	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
1/3/05	NT	<0.04	<0.04	<0.03	<0.05	<0.04	<0.04	<0.04	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.019
1/3/2005(D)	NT	<0.04	<0.04	<0.03	<0.05	<0.04	<0.04	<0.04	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.019
4/4/05	NT	<0.2	<0.1	<0.09	<0.2	<0.09	<0.2	<0.09	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.020
4/4/2005(D)	NT	<0.2	<0.1	<0.09	<0.2	<0.09	<0.2	<0.09	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.020
2/8/06	NT	<0.07	<0.1	<0.2	<0.4	<0.2	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.027	<0.027	<0.023	<0.027	<0.018	<0.027	<0.029	<0.034	<0.027	<0.033	<0.027	<0.026	<0.034	<0.027	<0.024	<0.023	<0.024	<0.025
OAM 8902																																		
2/11/02	<24	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/28/02	51	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/26/02	<100	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
11/18/02	<100	<0.08	<0.07	0.06	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2/11/03	<100	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/20/03	<100	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/19/03	<23.0	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9/29/03	NT	<0.2	<0.2	<0.06	<0.03	<0.2	<0.05	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.022	<0.082	<0.026	<0.019	<0.018	<0.020	<0.021	<0.016	<0.018	<0.051	<0.012	<0.022	<0.022	<0.020	<0.037	<0.013	<0.030	<0.013
4/28/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
6/24/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
9/29/04	NT	<0.4	<0.4	<0.3	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
1/3/05	NT	<0.04	<0.04	<0.03	<0.05	<0.04	<0.04	<0.04	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.019
4/4/05	NT	<0.2	<0.1	<0.09	<0.2	<0.09	<0.2	<0.09	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.020

Table 4
Summary of Groundwater Analytical Results
Powerhouse #1 Fuel Oil Remediation [1]

Sample Date	Diesel Range Organics	PVOCs							VOCs							PAHs																	
		Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	sec-Butylbenzene	tert-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Butylbenzene	n-Propylbzene	2-Chlorotoluene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene [2]	Phenanthrene	Pyrene
PHM 0301																																	
10/1/03	NT	<0.02	<0.02	0.2	0.1	0.6	0.4	0.4	NT	NT	NT	NT	NT	NT	NT	1.3	<0.082	0.18	<0.019	<0.018	<0.020	<0.021	<0.018	<0.018	<0.051	<0.012	0.25	<0.022	<0.020	1.0	0.066	1.3	<0.013
1/8/04	NT	0.1	<0.04	3.2	<0.05	0.1	4.2	<0.09	NT	NT	NT	NT	NT	NT	NT	7.6	<0.41	0.60	<0.095	<0.088	<0.10	<0.11	<0.090	<0.088	<0.25	<0.060	1.1	<0.11	27	9.8	8.8	5.9	<0.067
4/28/04	NT	<0.2	0.6	23.4	5.8	<0.2	3.6	3.6	3.9	1.4	5	1.9	3.7	6.9	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
6/24/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.062	<0.050	0.068	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	0.072	<0.037	0.35	0.24	0.19	0.42	0.11
9/29/04	NT	<0.4	<0.4	<0.3	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	0.34	<0.014	<0.017	<0.011
1/3/05	NT	<0.04	<0.04	<0.03	<0.05	0.2	<0.04	<0.04	NT	NT	NT	NT	NT	NT	NT	0.063	0.038	0.039	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	0.020	<0.014	0.082	0.23	<0.019
4/4/05	NT	<0.2	<0.1	0.2	<0.2	<0.09	0.2	<0.09	0.39	NT	0.35	NT	0.17	NT	NT	0.31	0.022	0.13	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	0.024	<0.013	0.073	0.021	0.6	0.87	<0.020
2/8/06	NT	<0.07	0.1	<0.2	<0.4	<0.2	<0.2	<0.2	0.5	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	0.049	<0.027	0.052	0.027	<0.018	<0.027	<0.029	<0.034	0.028	0.089	<0.027	<0.026	0.12	<0.021	<0.024	0.13	0.23	<0.025
PHM 9101																																	
10/1/03	NT	<0.02	<0.02	0.2	<0.03	0.3	1.3	0.3	NT	NT	NT	NT	NT	NT	NT	2.9	<0.41	0.51	<0.095	<0.088	<0.10	<0.11	<0.090	<0.088	<0.25	<0.060	2.2	<0.11	23	2.7	3.4	3.7	<0.067
1/8/04	NT	0.3	1.3	26.2	0.3	<2.0	40.3	1.1	NT	NT	NT	NT	NT	NT	NT	3.3	<0.41	0.41	<0.095	<0.088	<0.10	<0.11	<0.090	<0.088	<0.25	<0.060	2.2	<0.11	28	2.8	4.2	3.2	<0.067
4/28/04	NT	0.2	1.0	27.6	<1.0	1.6	29.0	<0.2	3.1	<0.2	5.3	<0.2	2.6	5.5	8.6	4.7	<0.50	0.57	<0.16	<0.11	<0.18	<0.11	<0.12	<0.21	<0.16	<0.10	3.1	<0.37	24	4.4	2.9	1.1	<0.11
6/24/04	NT	0.2	0.6	27.7	<1.0	0.4	12.8	0.4	3.6	0.3	4.8	<0.2	2.4	5.5	<0.2	4.9	<0.50	0.85	<0.16	<0.11	<0.18	<0.11	<0.12	<0.21	<0.16	<0.10	3.4	<0.37	38	5.6	2.9	5.8	<0.11
9/29/04	NT	<0.4	<0.4	7.0	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	1.5	<0.050	0.19	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	1.2	<0.037	8.4	1.4	0.39	0.72	<0.011
1/3/05	NT	<4.0	<4.0	22.6	<5.0	<4.0	25.3	<4.0	NT	NT	NT	NT	NT	NT	NT	2.8	0.37	0.27	<0.036	<0.032	<0.036	<0.030	<0.040	<0.038	<0.022	<0.046	2.9	<0.026	23	0.067	2.3	3.3	0.071
4/4/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.2	0.42	0.38	<0.18	<0.16	<0.18	<0.15	<0.20	<0.19	<0.11	<0.23	3.3	<0.13	23	<0.14	2.2	5.3	<0.20
2/8/06	NT	0.2	0.5	12.2	0.8	2.6	23.2	<0.2	2	0.2	2.6	0.8	1.1	3.3	<0.2	2.3	0.34	0.40	<0.14	<0.09	<0.14	<0.15	<0.17	<0.14	<0.17	0.14	2.5	<0.17	14	<0.12	3.2	2.8	0.21
PHM 9202																																	
2/11/02	<24	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/28/02	42	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/26/02	<100	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
11/18/02	<100	<0.08	<0.07	0.08	0.1	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2/11/03	<100	<0.08	0.2	<0.07	0.2	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/20/03	<100	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/19/03	<23	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9/29/03	NT	<0.2	<0.2	0.2	<0.03	<0.02	<0.05	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.022	<0.082	<0.026	<0.019	<0.016	<0.020	<0.021	<0.018	<0.018	<0.051	<0.012	<0.022	<0.022	<0.020	<0.037	<0.013	<0.030	<0.013
4/28/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
6/24/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	0.12	<0.017	<0.011
9/29/04	NT	<0.4	<0.4	<0.3	<0.5	<0.4	<0.4	<0.4	NT	NT	NT	NT	NT	NT	NT	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
1/4/05	NT	<0.04	<0.04	<0.03	<0.05	<0.04	<0.04	<0.04	NT	NT	NT	NT	NT	NT	NT	0.074	0.056	0.091	0.27	0.30	0.31	0.30	0.34	0.35	0.3	0.26	0.083	0.25	0.035	0.023	0.013	0.18	0.30
4/4/05	NT	<0.2	<0.1	<0.09	<0.2	<0.09	<0.2	<0.09	NT	NT	NT	NT	NT	NT	NT	<0.015	<0.012	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	<0.014	<0.014	<0.012	<0.019	<0.020

Table 4
Summary of Groundwater Analytical Results
Powerhouse #1 Fuel Oil Remediation [1]

Sample Date	Diesel Range Organics	PVOCs							VOCs							PAHs																	
		Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	sec-Butylbenzene	tert-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	n-Butylbenzene	n-Propylbzene	2-Chlorotoluene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene [2]	Phenanthrene	Pyrene
PHM 9704																																	
2/11/02	<24	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/28/02	42	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/26/02	<100	<0.08	0.1	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
11/18/02	<100	<0.08	<0.07	0.08	0.1	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2/11/03	<100	<0.08	<0.07	<0.07	<0.07	<0.07	<0.08	<0.08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5/20/03	<100	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8/19/03	<23	<0.02	<0.02	<0.06	<0.03	<0.02	<0.1	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9/29/03	NT	<0.2	<0.2	0.2	<0.03	<0.2	0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.022	<0.082	<0.026	<0.019	<0.018	<0.020	<0.021	<0.018	<0.016	<0.051	<0.012	<0.022	<0.022	<0.020	<0.037	<0.013	<0.030	<0.013
4/28/04	NT	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.016	<0.050	<0.012	<0.016	<0.011	<0.018	<0.011	<0.012	<0.021	<0.016	<0.010	<0.015	<0.037	<0.012	<0.018	<0.014	<0.017	<0.011
6/24/04	NT	<0.2	<0.2	<1.0	<1.0	<0.2	1.2	0.6	2.0	<0.2	2.0	<0.2	1.0	1.8	<0.2	2.5	<0.10	0.36	0.11	<0.021	<0.036	<0.023	<0.025	**0.13**	<0.032	<0.021	0.44	<0.074	1.4	5.2	0.40	3.6	<0.021
1/3/05	NT	<0.04	<0.04	0.2	0.4	0.2	1.0	0.2	NT	NT	NT	NT	NT	NT	NT	0.048	0.020	<0.018	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	<0.019	<0.013	0.12	0.018	0.32	0.033	<0.019
4/4/05	NT	0.2	0.1	0.1	1.2	0.9	2.0	<0.09	NT	NT	NT	NT	NT	NT	NT	0.083	0.043	0.030	<0.018	<0.016	<0.018	<0.015	<0.020	<0.019	<0.011	<0.023	0.056	<0.013	0.074	<0.014	0.20	0.51	<0.020
2/8/06	NT	<0.07	<0.1	<0.2	<0.4	<0.2	<0.2	<0.2	0.3	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	0.061	0.054	0.10	<0.027	<0.018	<0.027	<0.029	<0.034	<0.027	<0.033	<0.027	<0.026	<0.034	<0.021	<0.024	0.12	1.1	<0.025
NR 140 ES	--	5	1,000	700	10000 [3]	10000 [3]	480 [4]	480 [4]	--	--	--	--	--	--	--	--	--	3,000	--	0.2	--	--	--	0.2	--	400	400	--	--	--	40	--	250
NR 140 PAL	--	0.5	200	140	1000 [3]	1000 [3]	96 [4]	96 [4]	--	--	--	--	--	--	--	--	--	800	--	0.02	--	--	--	0.02	--	80	80	--	--	--	8		50

Notes:
NT denotes parameter not tested
Bolded & *italicized* text denotes an NR 140 ES exceedance and **Bolded** text denotes an NR 140 PAL exceedance.
[1] Units for all parameters are in micrograms per liter
[2] This parameter was tested more than once. The higher result or lowest LOD was used.
[3] Regulatory limit is for total Xylenes.
[4] Regulatory limit is for total Trimethylbenzenes.

Table 5
Summary of Groundwater Geochemical Parameters
Powerhouse #1 Fuel Oil Remediation

Well	Sample Date	Temperature (°C)	pH (S.U.)	DO (mg/L)	Calcium* (mg/L)	Iron** (mg/L)	Iron* (mg/L)	Magnesium* (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	ORP (mV)
FTM 8901	9/29/03	11.4	6.9	NT	NT	<0.009	NT	NT	NT	1930	NT
	4/28/04	12.0	6.9	1.50	178	NT	0.008	77.1	762	2300	NT
	6/24/04	11.6	6.8	11.7	181	<0.005	NT	78.5	775	2470	NT
	9/29/04	12.3	7.0	10.0	179	<0.003	NT	83.2	789	3040	NT
	1/3/05	11.2	6.8	10.3	170	<0.003	NT	72.4	724	2470	NT
	4/4/05	12.9	7.1	10.1	181	<0.003	NT	90.4	824	2930	209
	2/8/06	11.0	6.7	13.9	185	<0.006	NT	93.7	849	1270	103
OAM 8902	9/29/03	10.2	7.2	NT	NT	<0.009	NT	NT	NT	619	NT
	4/28/04	10.6	7.3	4.50	75.4	NT	0.008	34.1	329	635	NT
	6/24/04	10.1	6.6	12.0	82.3	<0.005	NT	39.4	368	634	NT
	9/29/04	10.4	7.4	11.9	82.7	<0.003	NT	38.8	366	793	NT
	1/3/05	9.2	7.1	12.3	73.2	0.015	NT	32.9	318	615	NT
	4/4/05	11.7	7.4	11.3	69.1	<0.003	NT	32.6	307	629	230
PHM 0301	1/8/04	13.5	7.2	0	NT	0.010	NT	NT	NT	1480	NT
	4/28/04	14.4	7.0	2.50	112	NT	0.146	34.6	421	1740	NT
	6/24/04	13.5	7.4	12.7	63.4	<0.005	NT	29.6	280	554	NT
	9/29/04	15.7	7.1	1.10	101	<0.003	NT	39.7	416	1840	NT
	1/3/05	13.2	6.9	1.10	141	0.008	NT	55.1	580	1840	NT
	4/4/05	15.1	7.1	2.4	164	<0.003	NT	57.9	648	2230	198
	2/8/06	12.1	6.7	NT	150	<0.006	NT	51.8	588	1800	49
PHM 9101	1/8/04	16.1	7.1	0	NT	1.24	NT	NT	NT	1240	NT
	4/28/04	19.3	7.0	3.40	87.0	NT	1.72	31.5	347	1210	NT
	6/24/04	17.8	7.0	9.99	70.0	1.16	NT	26.2	282	1450	NT
	9/29/04	18.2	7.5	1.20	50.4	0.725	NT	18.1	200	2110	NT
	1/3/05	14.8	6.6	1.10	105	2.42	NT	25.2	366	1950	NT
	4/4/05	17.4	6.8	2.4	278	10.1	NT	63.2	956	2430	71
	2/8/06	12.5	6.7	NT	149	2.41	NT	44.0	553	2490	-83
PHM 9202	9/29/03	11.1	7.0	NT	NT	<0.009	NT	NT	NT	644	NT
	4/28/04	11.6	7.0	3.30	105	NT	0.016	44.2	444	909	NT
	6/24/04	11.1	6.3	10.5	106	<0.005	NT	46.6	456	871	NT
	9/29/04	11.5	7.1	10.8	87.6	<0.003	NT	38.7	378	930	NT
	1/4/05	10.5	6.5	10.8	95.6	0.015	NT	41.0	407	864	NT
	4/4/05	12.2	7.1	10.4	89.3	<0.003	NT	40.9	392	832	219
PHM 9704	9/29/03	13.0	7.5	NT	NT	<0.009	NT	NT	NT	598	NT
	4/28/04	13.9	7.5	3.30	75.4	NT	0.040	33.8	328	632	NT
	6/24/04	13.8	7.0	13.4	76.7	0.040	NT	28.2	308	1560	NT
	1/3/05	12.1	7.0	6.10	90.2	0.016	NT	31.3	354	754	NT
	4/4/05	12.5	7.1	6.1	88.6	<0.003	NT	31.0	349	912	183
	2/8/06	11.4	6.9	12.3	133	<0.006	NT	46.2	522	11.4	89

Notes
NT = parameter not tested/analyzed
DO = Dissolved Oxygen
ORP = Oxidation-Reduction Potential
*Total Recoverable
**Dissolved