

- X Removed during Excavation
- Soil Sample, No PCB data available
- Soil Sample
- 1 FT BGS
- 2 FT BGS
- 4 FT BGS
- 6.5 FT BGS
- 8.5 FT BGS
- Harper Thiel Site Boundary
- Tax Parcels
- Buildings

Note:
 (X) Not Detected and Sample Depth
 Exceeding data in a spreadsheet and database.
 Source: Delaware Dept. of the Penins.
 New Castle County, Delaware

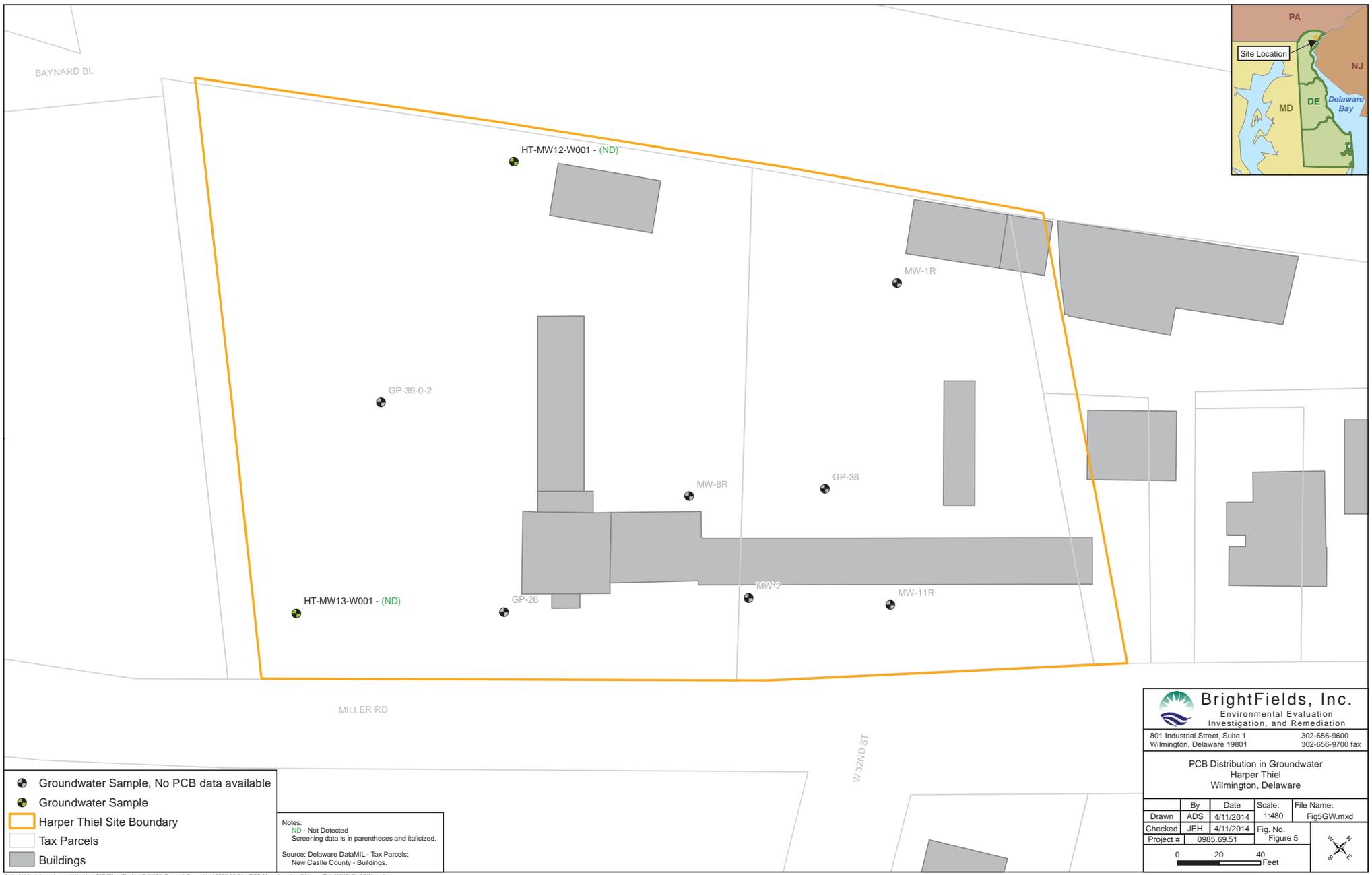
BrightFields, Inc.
 Environmental Solutions
 Investigation, and Remediation

801 Industrial Street, Suite 1 302-656-9600
 Wilmington, Delaware 19801 302-656-9700 fax

PCB Distribution in Subsurface Saturated Soil
 Harper Thiel
 Wilmington, Delaware

By	Date	Scale	File Name
Drawn	12/17/2013	1"=40'	Fig666_Sat.mxd
Checked	JPR	12/17/2013	Fig. No.
Project	0885.69.51	Figure 4	

0 7.5 15 30 45 60 75 90 105 120 135 150 165 180 195 210 225 240 255 270 285 300 315 330 345 360 375 390 405 420 435 450 465 480 495 510 525 540 555 570 585 600 615 630 645 660 675 690 705 720 735 750 765 780 795 810 825 840 855 870 885 900 915 930 945 960 975 990 1000



- Groundwater Sample, No PCB data available
- Groundwater Sample
- Harper Thiel Site Boundary
- Tax Parcels
- Buildings

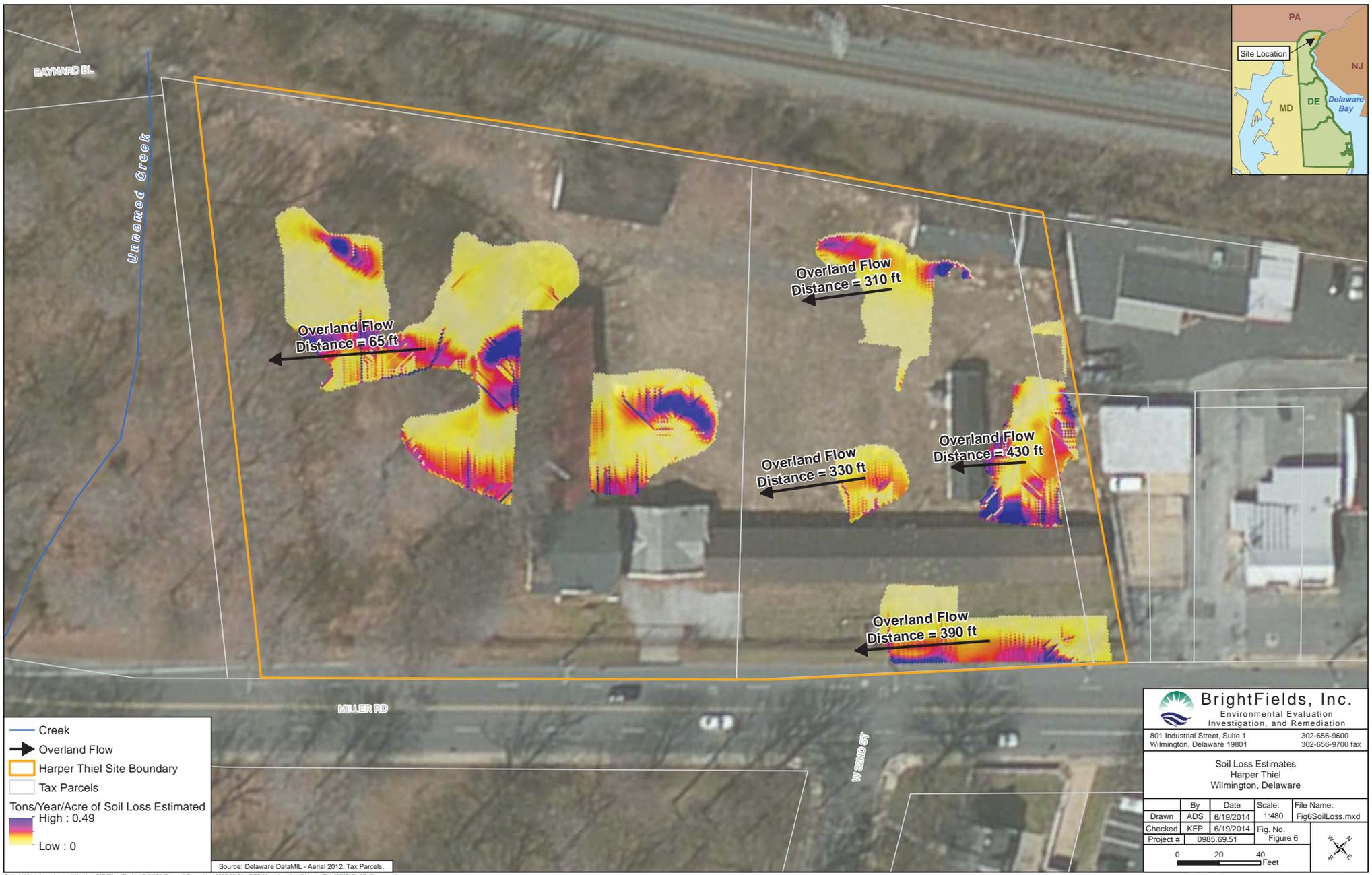
Notes:
 ND - Not Detected
 Screening data is in parentheses and italicized.
 Source: Delaware DataMIL - Tax Parcels;
 New Castle County - Buildings.

BrightFields, Inc.
 Environmental Evaluation
 Investigation, and Remediation
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 Wilmington, Delaware 19801
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**PCB Distribution in Groundwater
 Harper Thiel
 Wilmington, Delaware**

Drawn	By	Date	Scale:	File Name:
ADS	ADS	4/11/2014	1:480	Fig5GW.mxd
Checked	JEH	4/11/2014	Fig. No.	
Project #	0985.69.51		Figure 5	

0 20 40 Feet



— Creek
 → Overland Flow
 — Harper Thiel Site Boundary
 □ Tax Parcels

Tons/Year/Acre of Soil Loss Estimated
 High : 0.49
 Low : 0

Source: Delaware DataMIL - Aerial 2012, Tax Parcels.


BrightFields, Inc.
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Soil Loss Estimates
 Harper Thiel
 Wilmington, Delaware

	By	Date	Scale:	File Name:
Drawn	ADS	6/19/2014	1:480	Fig6SoilLoss.mxd
Checked	KEP	6/19/2014	Fig. No.	
Project #	0985.69.51		Figure 6	

0 20 40 Feet



Path: N:\Acadsoft and maps\Working GIS Files (Do Not Edit)\ST General Consulting\0985.69.51 - PCB Mass Loading\24\HarperThiel\MXD\Fig6SoilLoss.mxd



Tables

**Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE**

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
BDGI-01-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	NCA ND
BDGI-02-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-02-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-03-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-03-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-04-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-05-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-05-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-06-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-07-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	High PCBs
BDGI-08-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-08-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-09-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
BDGI-09-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
D-04-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
D-04-4-6	4.0'-6.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
D-04-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
D-05-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
D-05-4-6	4.0'-6.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
D-05-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
GP-05-E-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-E-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-E-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-E-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-E-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.57
GP-05-E-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	39
GP-05-E-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	6.1
GP-05-N-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-N-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	5.4
GP-05-N-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-N-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-N-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	4.9
GP-05-S-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.51
GP-05-S-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-S-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-S-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-05-S-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.2
GP-05-S-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.78
GP-05-S-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.99
GP-05-S-A-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.3

Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
					NCA
GP-06-S-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-S-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-S-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-S-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-S-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-S-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.69
GP-06-S-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-06-W-A-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-E-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-E-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-E-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-E-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-E-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-S-A-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
GP-40-W-A-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-E-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-E-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	5.4
HA-26-E-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-E-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND

**Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE**

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
					NCA
HA-26-E-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-N-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-N-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	2.7
HA-26-N-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.2
HA-26-N-3.5	3.5'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.7
HA-26-N-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.8
HA-26-N-B-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	0.76
HA-26-S-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	6.7
HA-26-S-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-S-A-4	4.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-W-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-W-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	4.8
HA-26-W-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	1.12
HA-26-W-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-26-W-B-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	ND
HA-31-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs present
HA-32-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
HA-44-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Very high PCBs
HT-GP01-S001	1.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP01-S002	8.0'-10.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP02/MW12-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP02/MW12-S002	14.5'-16.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP03-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP03-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP04-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP04-S002	8.0'-9.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP05-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP05-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP06-S001	0.0'-1.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP06-S002	4.0'-5.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP07-S001	0.1'-1.2'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP07-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP08-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP08-S002	12.0'-14.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP09-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND

**Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE**

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
					NCA
HT-GP09-S002	11.0'-13.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP10-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP10-S002	12.0'-13.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP11-S001	0.0'-1.3'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP11-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP12-S001	0.0'-1.8'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP12-S002	12.0'-14.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP13/MW13-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP13/MW13-S002	6.5'-7.3' & 8.0'-8.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP14-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP14-S002	8.0'-9.7'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP15-S001	0.0'-2.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP16-S001	0.0'-4.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP17-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP17-S002	11.0'-11.7'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP18-S001	1.2'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP18-S002	5.5'-6.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP19-S001	1.0'-3.4'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP20-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP20-S002	4.0'-5.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP21-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP22-S001	0.0'-2.1'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP22-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP23-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-GP24-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	ND
HT-HA25-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA25-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA26-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA26-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA27-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA27-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA27-S003	4.0'-5.5'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA28-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA28-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA28-S003	4.0'-6.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA29-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA29-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA30-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA30-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA30-S003	4.0'-6.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND

**Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE**

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
					NCA
HT-HA31-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA31-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA32-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA33-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA33-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA34-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
HT-HA34-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	ND
P-01-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs present
P-01-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-02-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
P-03-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs Present
P-03-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-04-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
P-04-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-05-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
P-05-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Low PCBs
P-06-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs present
P-06-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-07-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-07-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-08-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-08-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-29	0' - 2'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	5.3
P-29-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-31-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs Present
P-31-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
P-32-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	PCBs Present
SB-01-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-01-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-02-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-02-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-03-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-03-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-04-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	Present
SB-04-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-05-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-05-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-06-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-06-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-07-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND

**Table 1
PCB Screening Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE**

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs
					DNREC-SIRS Screening Level (January 2014) (mg/kg)
					NCA
SB-07-6-8	6.0'-8.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-08-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-08-4-6	4.0'-6.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-09-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-09-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-10-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-11-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-11-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-12-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-13-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-13-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-14-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-14-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-15-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-15-2-3	2.0'-3.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-16-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-16-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-17-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-17-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-18-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-18-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-19-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-19-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-18-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-18-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-19-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND
SB-19-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	ND

Note: All results reported in mg/kg.

Qualifiers:
bgs - Below ground surface
NCA - No criteria available
ND - Not detected

Table 2
PCB Analytical Results For Soil
Harper Thiel Property (DE-0197)
Wilmington, DE

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260		Total PCBs Screening Level (mg/kg) NCA
					DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.39	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.11	U	DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22	U	
BDGI-04-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.2	U	0.35	U	0.43	U	0.2	U	0.23	U	0.35	U	0.32	U	ND
BDGI-07-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.2	U	0.35	U	0.43	U	0.2	U	0.23	U	11		0.32	U	11
BDGI-09-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.21	U	0.36	U	0.44	U	0.2	U	0.24	U	3.9		0.33	U	3.9
BDGI-09-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.21	U	0.37	U	0.45	U	0.2	U	0.24	U	0.37	U	0.33	U	ND
GP-05-E-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.027												
GP-05-E-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.21												
GP-05-E-A-1	1.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.35												
GP-05-E-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		13												
GP-05-E-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.048												
GP-05-N-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		3.9												
GP-05-N-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.28												
GP-05-N-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		1.6												
GP-29-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.42	U	5.3		5.3										
GP-30-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.0042	U	0.082		0.052		0.13								
HA-06-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.004	U	0.15		0.004	U	0.15								
HA-26-E-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		1.5												
HA-26-E-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.025												
HA-26-N-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		1												
HA-26-N-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.028												
HA-26-N-3.5	3.5'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.027												
HA-26-N-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		2.5												
HA-26-S-A-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.65												
HA-26-S-A-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.17												
HA-26-W-2	2.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		3.1												
HA-26-W-3	3.0'	EA Engineering	Additional Soil Delineation Sampling	Aug-12	NA		0.77												
HA-31-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.41	U	12		0.41	U	12								
HA-32-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	4.4	U	3.3		4.4	U	3.3								
HA-44-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	4.4	U	70		4.4	U	70								
HA-45-0-1	0.0'-1.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.0039	U	0.13		0.0039	U	0.13								
HT-GP02/MW12-S002	14.5'-16.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.018	U	0.029	U	0.054	U	0.018	U	0.025	U	0.13		0.011	U	0.13
HT-GP03-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.079	U	0.12	U	0.23	U	0.078	U	0.11	U	2.7		0.046	U	2.7
HT-GP05-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.15	U	0.23	U	0.44	U	0.15	U	0.21	U	10		0.087	U	10
HT-GP05-S002	4.0'-6.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.015	U H	0.024	U H	0.045	U H	0.015	U H	0.021	U H	0.027	U H	0.0089	U H	ND
HT-GP08-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U H	0.026	U H	0.048	U H	0.016	U H	0.023	U H	0.17	H	0.0095	U H	0.17
HT-GP10-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U H	0.026	U H	0.049	U H	0.016	U H	0.023	U H	0.029	U H	0.0096	U H	ND
HT-GP14-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U	0.026	U	0.048	U	0.016	U	0.023	U	0.029	U	0.0095	U	ND
HT-GP15-S001	0.0'-2.5'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.017	U	0.026	U	0.049	U	0.016	U	0.023	U	0.03	U	0.0097	U	ND
HT-GP19-S001	1.0'-3.4'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U	0.025	U	0.048	U	0.016	U	0.022	U	0.11		0.0094	U	0.11
HT-GP21-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U	0.025	U	0.046	U	0.015	U	0.022	U	0.092		0.0091	U	0.092
HT-GP22-S001	0.0'-2.1'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.015	U	0.024	U	0.046	U	0.015	U	0.021	U	1.3		0.009	U	1.3
HT-GP24-S001	0.0'-2.0'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.016	U	0.025	U	0.047	U	0.016	U	0.022	U	0.028	U	0.0092	U	ND
HT-HA26-S001	0.0'-2.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	0.016	U	0.025	U	0.047	U	0.016	U	0.022	U	0.57		0.0092	U	0.57
HT-HA29-S002	2.0'-4.0'	BrightFields, Inc.	Focused Feasibility Study	Sep-12	0.015	U	0.024	U	0.046	U	0.015	U	0.022	U	0.39		0.009	U	0.39
P-01-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.2	U	0.35	U	0.43	U	0.2	U	0.23	U	9.8		0.32	U	9.8
P-06-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.21	U	0.37	U	0.45	U	0.21	U	0.24	U	9.1		0.34	U	9.1
P-07-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.22	U	0.38	U	0.46	U	0.21	U	0.25	U	4.8		0.35	U	4.8
P-31-2-4	2.0'-4.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.0042	U	0.0072	U	0.0088	U	0.004	U	0.0048	U	0.0072	U	0.0066	U	ND
SB-04-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.058	U	0.052	U	0.04	U	0.04	U	0.04	U	0.63		0.04	U	0.63
SB-14-0-2	0.0'-2.0'	Environmental Alliance, Inc.	Remedial Investigation Report	Aug-05	0.0058	U	0.0052	U	0.004	U	0.004	U	0.004	U	0.18		0.036	U	0.22

Note: All results reported in mg/kg.

Qualifiers:

- bgs - Below ground surface
- NCA - No criteria available
- U - Sample not detected above the laboratory method detection limit
- H - Sample was prepped or analyzed beyond the specified holding time
- ND - Not detected
- NA - Not available from reports provided to Brightfields
- Bold and shaded - Exceeds DNREC-SIRS January 2014 Screening Levels

Table 3
 PCB Analytical Results For Groundwater
 Harper Thiel Property (DE-0197)
 Wilmington, DE

Sample Identification	Screen Depth (feet bgs)	Sampling Company	Report Name	Report Date	Aroclor-1016		Aroclor-1221		Aroclor-1232		Aroclor-1242		Aroclor-1248		Aroclor-1254		Aroclor-1260	
					DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U	DNREC-SIRS Screening Level (January 2014) (ug/L)	U
HT-MW12-W001	6'-16'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.13	U	0.28	U	0.12	U	0.12	U	0.24	U	0.17	U	0.15	U
HT-MW13-W001	6'-16'	BrightFields, Inc.	Site Specific Assessment Report	Jun-12	0.13	U	0.28	U	0.12	U	0.12	U	0.24	U	0.17	U	0.15	U

Note: All results reported in ug/L.

Qualifiers:

bgs - Below ground surface

* - Screening level likely below the routine method detection limit

U - Sample not detected above the laboratory method detection limit

PCB Mass Loading Phase II
Harper Thiel Property
SIRS ID: DE-0197
Wilmington, Delaware



BrightFields, Inc.

Site Photographs



The northern corner of the property where weeds and trees are overgrown.



The southeastern border of the property along Miller Road which slopes down towards the road.



Looking southwest behind the building the vegetation thickens with trees and tall weeds. The land slopes down towards the road at a steeper gradient than in front of the building.



Near the southwestern property line, where there is thick vegetation and a small path.

PCB Mass Loading Phase II
Harper Thiel Property
SIRS ID: DE-0197
Wilmington, Delaware



BrightFields, Inc.

Overland Flow Calculations

**PCB Loading Calculations from the Revised Universal Soil Loss Equation (RUSLE)
 Harper Thiel Property (DE-0197)
 Wilmington, DE**

Surface PCB Concentration mg/kg

Symbol	Factor	Value	Units
R	Rainfall/Runoff Erosivity Index	175	10 ² ft-tonf-in/ac-hr-yr
K	Soil Erodibility	0.42	0.01 ton-ac-hr/ ac-ft-tonf-in
	Erodible Area	0.48	Acres
LS	Topographic Factor	0.16	Dimensionless
C	Cover and Management Factor	0.003	Dimensionless
P	Support Practice Factor	1	Dimensionless
A	Average Annual Soil Loss	0.032	ton/ac-yr

**PCB Loading via Overland
 Flow grams/year - PCBs**



Groundwater Transport Calculations

(Not Applicable)