Appendix 20

JABLOW PROPERTY

WILMINGTON, DELAWARE

SIRS ID: DE-1329

GENERAL SITE INFORMATION

Site Name: Jablow Property

SIRS ID Number: DE-1329

Site Location and Description:

The Jablow Property is located at 707 South Market Street in Wilmington, Delaware (Figure 1). The Site is approximately 5.9 acres of relatively flat land and is comprised of one parcel (#2605700003). The property is bounded to the north by a private commercial property (Schuster's Auto Salvage), to the east by South Market Street, to the south by a private commercial development (James Court Industrial Park), and to the west by the Christina River. The property is now owned by Delaware Department of Transportation (DelDOT). There are currently no buildings on the site although there are some paved areas and a storm water treatment system which was recently installed. The site is zoned commercial.

According to the 2012 Brownfield Investigation, surface water on the Site flows west directly into the Christina River.

Previous Site Uses:

From the 1930s to the early 1960s the property was used as a beef slaughterhouse. Then from the 1960s through 2004 it was an automobile salvage facility. In 2006, all buildings were demolished and three 4,000 gallon underground storage tanks (USTs) which had been previously used to store gasoline were removed by Lewis Environmental. At this time, hazardous waste containers, compressed gas cylinders, and some contaminated soils were also removed from the site and disposed. In 2009 when the storm water control system and concrete sediment trap were installed, metals, asbestos pipes, tires, and solid waste were cleaned up and removed from the site.

Site Regulatory Status:

This section briefly summarizes previous investigations performed on the site through the SIRS program. A current SIRS regulatory status is also included.

Phase I Environmental Site Assessment (Tetra Tech, 2004)

Under the State of Delaware Voluntary Cleanup Program (VCP), Tetra Tech Inc. (Tetra Tech) performed an Environmental Site Assessment (ESA). The ESA indicated possible surface soil contamination from various sources including drums, vessels, and batteries. A possible UST was also identified near South Market Street on the east of the property. Tetra Tech recommended a Phase II Environmental Investigation with soil and groundwater sampling be performed.

Phase II Environmental Site Investigation (Tetra Tech, 2004)

Tetra Tech examined the site for soil and groundwater contamination, using the Phase I ESA as a guideline for areas of concern. They collected 37 soil samples, 20 deep and 17 shallow (0.5 feet below ground surface) samples. The samples had elevated concentrations of various metals and organics.

Interim Cleanup Action Report (Tetra Tech, 2007)

Tetra Tech performed an interim cleanup in May and October 2006 as a follow-up to the Phase I and II site assessments. The cleanup focused on surface hazardous wastes in containers including small vessels, drums, tanks, three USTs, surface and building interior hazardous materials, compressed gas cylinders, and limited soil contamination. Building demolition occurred in 2006 as well. Six soil samples, two from each tank, were also collected and analyzed for various contaminants. PCB concentrations did not exceed the Uniform Risk-Based Remediation Standards (URS). There were still some surface wastes on the site following cleanup in the form of both hazardous and non-hazardous solid wastes.

Geophysical Investigation and Soil Borings (Tetra Tech, 2007)

Tetra Tech sub-contracted Advanced Geological Services (AGS) to perform a magnetometer and ground-penetrating survey. The survey revealed an unidentified pipeline and some other anomalies where piping was known to exist from a past UST removal, the ground was wet, or there were surface debris. Tetra Tech also took saturated and unsaturated soil samples from eight borings, six near the previously removed USTs and two near object Q3, an unidentified object detected by the magnetometer.

Site Specific Assessment – Christina River Bridge (BrightFields, 2009)

The Site Specific Assessment (SSA) was performed to investigate the Christina River Bridge Orange A Alignment properties. The Jablow Property was included as part of the assessment area. Existing data was summarized but additional samples were not collected on this property as a part of the SSA.

Interim Action Report (LandmarkJCM, 2010)

A Wetlands Delineation investigation by JCM Environmental Remediation in 2008 showed that the drainage swale near the southern boundary of the property was not a wetland or wildlife habitat. As a result, the non-functioning swale was excavated and a sediment pond and Water Quality Unit (WQU) were installed in its place as a part of the interim action. In addition, asbestos pipes, old gas tanks, automotive parts, tires, containers, and household waste were removed from the swale and disposed offsite. Soil was also removed from the swale but kept onsite.

Brownfields Investigation Report (LandmarkJCM, 2012)

Brownfield Investigation (BI) activities took place from August through November 2011. The soil boring data showed that there were multiple low points in the groundwater which could be due to past disturbances and UST removals. In August 2011 a ground-penetrating radar (GPR) and magnetometer showed underground utility lines and a large anomaly, which later was found to be concrete slabs. Test pits were excavated to investigate the area and characterize the types of soil present. Both shallow (0-2 ft) and deep (>2 ft) soil samples were taken from 37 boring locations throughout the site and wells were installed at seven (7) of these locations for shallow groundwater samples. The 74 soil samples and three duplicates were screened at the DNREC lab then 21 randomly-selected samples were analyzed at TestAmerica. Sediment samples were also taken from three locations in September. In November, 37 additional soil samples (29 shallow and 8 deep) were taken 8-10 feet from eight of the original boring locations where very high contaminant concentrations had been measured in August. All groundwater, sediment, and 37 additional soil samples were submitted to TestAmerica for testing.

Out of the 40 surface soil samples sent to TestAmerica, PCBs were only detected above the Delaware Uniform Risk-based Standards for Human Health Protection (URS-HH) level in two samples, 13-4S and 13-1S at Aroclor 1254 concentrations of 4.7 mg/kg and 35 mg/kg, respectively. Of the 18 subsurface soil samples, TestAmerica detected PCBs above the URS-HH in one sample,

SB24D at an Aroclor 1242 concentration of 6.7 mg/kg and a total PCB concentration of 7.3 mg/kg. Landmark JCM concluded that since PCBs were detected above the URS-HH value in less than 10% of the subsurface soil samples, it is likely that there were hot spots or localized high concentrations. PCBs were not detected in any of the seven groundwater samples.

LandmarkJCM believes that the contamination is from the auto repair and auto salvage business which was previously on site until 2004. They suggested delineating and removing hot spots and then utilizing capping technology as a remedial action program. The earthen cap over the site would prevent human exposure to contaminants as well as migration of contaminants off-site or into the Christina River. It would also minimize contaminant transport by infiltration to the adjacent marsh and Christina River.

The sample depths for the majority of the soil samples collected during the BI were not documented in the report. Most of the logs stated the depth that groundwater was encountered, but did not document the depth where samples were collected, so saturation could not be confidently determined. The 2011 Sampling and Analyses Plan submitted to DNREC states that samples would be collected from the 2 foot section above the groundwater table, indicating that the soil samples would not be saturated. Therefore, all subsurface soil samples collected for the BI were inferred as unsaturated for this evaluation.

Subsurface Investigation Report – Christina River Bridge (BrightFields, 2012)

The Subsurface Investigation Report summarizes the investigation and soil sampling from the Christina River Bridge Preferred Orange B Alignment properties. In order to characterize the soil to 20 feet below ground surface (bgs), a total of 74 soil samples were collected and screened for various compounds including PCBs. Screening results did not detect PCBs in any of the samples. Select samples were sent for confirmatory analysis and of the 13 soil samples analyzed for PCBs, none of them had PCB concentrations exceeding the URS criteria. However, BrightFields noted that PCB concentrations from past sampling events, specifically on the east side of the Christina River where the Jablow property is located, warranted further evaluation.

PCB Delineation Report (BrightFields, 2014)

In August 2013, BrightFields performed a PCB Delineation around sample points 24D, 13-1, 3-4, and 13. All samples were screened for lead and select samples were sent for confirmatory analysis, some of which exceeded the DNREC 2013 screening level, the DNREC URS for restricted use,

and/or the hazardous waste regulatory criteria (for TCLP lead). A total of 59 samples were analyzed for PCBs. PCBs were detected in five soil samples, one of which exceeded the DNREC 2014 screening level.

Based on the delineation, BrightFields found that the PCBs are limited in extent and concluded that hot spot removal was not necessary and all intrusive activities should be performed in accordance with the site Contaminated Material and Water Management Work Plan (CMWMWP).

Current Regulatory Status:

In 2008 the DNREC Tank Management Branch issued a No Further Action Letter for the three UST removals. The Jablow Property is now part of the Delaware Department of Transportation (DelDOT) plans for the Christina River Bridge. A Proposed Plan of Remedial Action is expected to be advertised in 2014.

SUMMARY OF SITE PCB INFORMATION

Site Investigation PCB Findings:

For purposes of the PCB loading estimates, surface soil is defined as 0 to 2 feet below ground surface (bgs). Samples collected from soil depths spanning 2 feet bgs were included in both the surface and subsurface data sets.

PCBs were detected in 19 surface soil samples. A total of 14 of the samples had laboratory data, with PCB concentrations ranging from 0.058 mg/kg to 35 mg/kg. In five additional surface soil samples, screening data indicated that PCBs were detected, however, a range of detection was not provided. In the unsaturated subsurface soil, PCBs were detected in eight samples. Seven unsaturated subsurface soil samples had laboratory data, with concentrations ranging from 0.062 mg/kg to 7.3 mg/kg, and one sample was screened, but no range of detection was given. PCBs were detected in one saturated subsurface soil sample that was screened but a range of detection was not provided.

The calculated 95% upper confidence limit (UCL) of the mean of the concentration of total PCBs observed in the surface soil (for overland flow calculations) is 5.7 mg/kg. There were no PCBs detected in groundwater.

Concentrations of PCBs on Site			
Sample Matrix	**Corresponding Figure**	**Analytical Methods**	**Range of Total PCBs**
Surface Soil	Figure 2	Method 8082 and Screening Data	Not detected to 35 mg/kg
Subsurface Soil (unsaturated)	Figure 3	Method 8082 and Screening Data	Not detected to 7.3 mg/kg
Subsurface Soil (saturated)	Figure 4	Method 8082 and Screening Data	Not detected to PCBs detected
Groundwater	Figure 5	Method 8082	Not Detected

A summary of all samples collected for PCB analyses are presented in Tables 1 through 3.

Acreage where PCBs detected:

The estimated surface soil area impacted by PCBs is 1.4 acres (Figure 2). The subsurface unsaturated soil has an estimated impacted area of 0.81 acres (Figure 3). In the subsurface saturated soil, an estimated 0.20 acres are impacted by PCBs (Figure 4). Based on the data available and reviewed by BrightFields, the groundwater is not impacted by PCBs.

As stated above, there was limited sample depth documentation for the 2012 BI so samples were inferred as unsaturated if no depth was provided. Therefore, the areas of saturated and unsaturated subsurface soils impacted by PCBs may vary.

PCB Remediation Status:

PCB remediation has not occurred at the Jablow Property, and is currently not required. Management of PCB-impacted soil may be required in the future for the Christina River Bridge project.

PCB MASS LOADING SUMMARY

The PCB mass loading rate to surface water via overland flow was estimated for the Jablow Property. Since PCBs were not detected in groundwater and there was only one screening detection in saturated subsurface soil that did not have a range of detection, PCB mass loading rate to surface water via groundwater discharge could not be evaluated. A summary of the results is included below and the details of the calculations are included as attachments to this Appendix.

Overland Flow:

Overland flow has been determined on this site by using the Revised Universal Soil Loss Equation (RUSLE). The RUSLE predicts the long term average annual rate of erosion on an area based on rainfall patterns, soil type, topography, cover/canopy factors and support management practices. These specific factors are site specific and rely on local information of the site. A breakdown of the individual factors is presented below with a brief explanation of their choice.

Ground Cover and Canopy:

The surface cover and flow paths were assessed through aerial photography and available contour mapping (Delaware Data Mil, 2007). The cover/management factor (C) assigned to the erodible area and associated flow paths was 0.17, which corresponds to areas instituting a vegetative cover of grass or grass like plants over approximately 20% of the area and tall weeds or short brush over approximately 25% of the site.

Site Sediment and Erosion Control Practices:

Based on the aerial photography evaluation and review of site documents it appears that the Site contains a swale leading to a riprap sediment trap located along the southern site boundary near the shoreline. The sediment trap prevents some of the sediment carried by runoff from reaching the Christina River. Based on these engineering controls, a support practice factor of 0.25 was calculated using the RUSLE2 program and utilized in the overland flow calculations.

Input Factors and Results:

A breakdown of the individual factors is presented below with a brief explanation of their choice.

Jablow Property

RUSLE Factors	Values Provided	Explanation of choice
R = rainfall-runoff erosivity index (10^2 ft-tonf-in/ac-hr-yr)	175	An appropriate value for R for the Site was determined using the Isoerodent Map of the Eastern U.S. from the Stormwater Phase II Final Rule Construction Rainfall Erosivity Waiver (USEPA, 2012).
K = soil erodibility (0.01 ton-ac-hr/ ac-ft-tonf-in)	0.27	The soil erodibility factor was assigned using surface soil descriptions from soil logs to assess the soil composition and equate them to a corresponding generic soil type and organic material content within the RUSLE program.
ls = topographic factor (dimensionless)	0.060	The topographic factor was derived based on the slope and flow accumulation grids created in ArcGIS. An output LS grid was created and the average value for the grid is provided.
C = cover/management factor (dimensionless)	0.17	The cover/management factor C assigned to the erodible area was 0.17, which corresponds to areas instituting a vegetative cover of grass or grass like plants over approximately 20% of the area and tall weeds or short brush over approximately 25% of the site.
P = support practice factor (dimensionless)	0.25	The support practice factor was calculated in the RUSLE2 program based on the riprap sediment trap located onsite.
A = average annual soil loss estimate (ton/ac-yr)	0.12	The average soil loss estimate was generated by ArcGIS using the input factors listed above.
Erodible Area (acres)	1.3	The erodible area was calculated based on the pervious surfaces within the area of concern polygon for surface soil (Figure 6).

For factors that were not consistent across the site, rasters were used to characterize the variations. Due to the methodology utilized to derive the soil loss estimate, the numbers listed above cannot simply be multiplied.

The total estimated PCB loading via overland flow for the Jablow Property is **0.81 grams per year**. Please see attached table for specific variables.

Uncertainty Analysis Associated with Overland Flow

Specific Areas and Degree of Uncertainty for the Jablow Property

	Samples Per Acre (site)	Chemical Data Quality*	Soil Type	Site Coverage	Map Quality	Average Distance to Discharge Point
Site Specific Information	33.6	Aroclor Data	Detailed site logs	Based on a site assessment	Scaled Map; GPS Points	Approximately 388 feet
Degree of Uncertainty	Low	Moderate	Moderate	Moderate	Low to Moderate	Low to Moderate

* Primary analysis used in the historical samples

Sources of uncertainty for the Jablow Property include: The majority of the data was Aroclor laboratory data and the remainder of the data was GC/MS and Immunoassay screening data. Some of the screening data did not have ranges of concentrations. Delineation samples collected in 2013 where unable to replicate the earlier PCB detections, therefore it is possible that the PCB impacted surface soil has been removed and is no longer at source of overland flow loading to the Christina River. The soil erodibility factor was not available from the National Resource Conservation Soil Survey Geographic Database (SSURGO), but detailed logs were used from a Brownfield Investigation performed on the Site. The fence surrounding the Site was locked during the site assessment so a thorough evaluation of the site coverage could not be made. Most of the sample locations came from well scaled maps and some of the locations came from GPS points. If the riprap sediment trap onsite is 100 percent effective at retaining sediment from overland flow, then less sediment would be expected to leave the Site. Based on this evaluation the level of uncertainty associated with overland flow PCB mass loading from the Jablow Property is **Moderate.**

Groundwater Discharge Analysis:

No groundwater discharge analysis was performed for this site.

Site References:

BrightFields, Inc., 2009, Site Specific Assessment Report, Christina River Bridge, April 2009.

BrightFields, Inc., 2012, Subsurface Investigation Report, Christina River Bridge, October 2012.

BrightFields, Inc., 2014, PCB Delineation Report for Jablow Property (DE-0334), April 2014.

Delaware Geological Survey, 2013, Delaware Data Mil, <http://datamil.delaware.gov/geonetwork/srv/en/main.home>, May 2013.

LandmarkJCM, 2010, Interim Action Report for Brownfield Redevelopment, South Property Line Ditch Remediation, August 2010.

LandmarkJCM, 2011, Proposed Sampling and Analyses Plan for Jablow/707 South Market Street Site (DE-1329), 2011.

LandmarkJCM, 2012, Jablow Property-707 South Market Street (DE-1329), Brownfields Investigation Report, January 2012.

Tetra Tech, Inc., 2004, Phase I Environmental Site Assessment for the Jablow Property, August 2004.

Tetra Tech, Inc., 2004, Phase II Environmental Site Assessment for the Jablow Property, November 2004.

Tetra Tech, Inc., 2007, Report of Interim Cleanup Action at the Former Jablow Property, January 2007.

Figures

Christina River
PA
NJ
MD
DE
Delaware Bay
Site Location
Soil Sample
Groundwater Sample
Sediment Sample
Other
Jablow Property Site Boundary (5.95 acres)
Tax Parcels
Source: Delaware DataMIL - Aerial 2012, Tax Parcels.
BrightFields, Inc.
Environmental Evaluation
Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
Historic Sample Locations
and Aerial Photograph (2012)
Jablow Property
Wilmington, Delaware
By
Date
Scale:
File Name:
Drawn
ADS
6/10/2014
1:420
Fig1SiteLoc.mxd
Checked
HLW
6/10/2014
Fig. No.
Project #
0985.69.51
Figure 1
0
17.5
35
Feet
N
W
E
S

Christina River
PA
NJ
MD
DE
Delaware Bay
Site Location
SS-02 - (ND)
GW25S - (ND)
SS-03 - (ND)
SS-04 - (ND)
28-1S - ND (0 - 2')
28-2S - ND (0' - 2')
SB28S - 0.29 (0' - 2')
28-4S - ND (0 - 2')
28-3S - ND (0 - 2')
SS-01 - (ND)
SB26S - (ND)
23-1S - ND (0' - 2')
23-2S - ND (0' - 2')
SB23S - (ND)
23-4S - 0.13 (0' - 2')
23-3S - ND (0' - 2')
SB19S - 0.11 (0' - 2')
TP1S - 0.11 (0' - 2')
SS-11 - (PCBs detected)
SB05 - 0.076 (0' - 2')
SB17S - (ND)
SS-05 - (ND)
SB29S - 0.13 (0' - 2')
GW27S - (ND)
AB-3-S001 - (ND)
RW-6-S001 - ND (0' - 6')
24-5S - 0.32 (0' - 2')
J-GP06 - ND (0' - 2')
J-GP05 - 0.11 (0' - 2')
J-GP02 - 0.18 (0' - 0.8')
24-3S - ND (0' - 2')
J-GP09 - (ND)
SS-11 - (ND)
J-GP07 - ND (0' - 2')
SB24S - (ND)
24-1S - ND (0' - 2')
24-4S - ND (0' - 2')
J-GP04 - 0.083 (0' - 2')
J-GP03 - ND (0 - 2')
SB24S - (ND)
J-GP08 - ND (0' - 2')
RW-6-S001 - (ND)
SB14S - (ND)
SS-10 - (ND)
SS-09 - (PCBs detected)
RW-7-S001 - (ND)
GW21S - (ND)
RW-8-S001 - ND (0' - 6')
SB18S - (ND)
15-2S - ND (0' - 2')
15-3S - ND (0' - 2')
15-1S - ND (0' - 2')
SB15S - 0.19 (0' - 2')
15-4S - ND (0' - 2')
J-HA15 - ND (0' - 2')
J-GP17 - ND (0' - 1.8')
J-HA14 - 0.058 (0' - 2')
J-GP10 - ND (0' - 1.4')
13-1S - ND (0' - 2')
J-GP18 - ND (0' - 1.2')
J-GP16 - ND (0' - 1.4')
J-GP19 - 1.45 (0' - 1.6')
13-2S - ND (0' - 2')
J-GP15 - ND (0' - 1.1')
13-3S - ND (0' - 2')
J-GP14 - ND (0' - 2')
J-GP12 - ND (0' - 0.9')
J-GP21 - ND (0' - 1')
SS-08 - (PCBs detected)
J-GP11 - ND (0' - 1.8')
J-GP29 - ND (0' - 1.9')
J-GP22 - ND (0' - 1.8')
J-GP28 - ND (0' - 1.4')
13-4S - 4.7 (0' - 2')
J-GP23 - ND (0' - 1.1')
J-GP27 - ND (0' - 1.8')
J-GP24 - ND (0' - 1.6')
J-GP25 - ND (0' - 1.7')
J-GP26 - ND (0' - 2')
TP3-1 - ND (<2')
TP3-2 - ND (<2')
10-1S - ND (0' - 2')
10-2S - ND (0' - 2')
SB10S - 0.18 (0' - 2')
PW-2S - (ND)
SB11S - (ND)
S-07S - (ND)
SB8S - 0.10 (0' - 2')
SS-06 - (PCBs detected)
9-1S - ND (0' - 2')
9-4S - ND (0' - 2')
SB9S - (ND)
R-9 - ND (0' - 5')
9-2S - 0.17 (0' - 2')
9-3S - ND (0' - 2')
SS-07 - (PCBs detected)
SB7S - (ND)
SB32S - ND (0' - 2')
SB4
SB34
SB2
36-4S - ND (0' - 2')
SB31S - ND (0' - 2')
S-02S - (ND)
GW3S - ND (0' - 2')
36-3S - ND (0' - 2')
36-2S - ND (0' - 2')
PW-1S - (ND)
JAMES CT
Soil Sample, No PCB data available
Soil Sample
Estimated PCB Distribution
Jablow Property Site Boundary
Tax Parcels
Buildings
Surface Water
Notes:
0.58 (0') - Total PCB Concentration (mg/kg) and Sample Depth.
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
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
PCB Distribution in Surface Soil (0' - 2' bgs)
Jablow Property
Wilmington, Delaware
By
Date
Scale:
File Name:
Drawn
ADS
6/26/2014
1:420
PipDistSurf.mxd
Checked
HLW
6/26/2014
Fig. No.
Project #
0985.69.51
Figure 2
0
17.5
35
Feet
N
W
E
S

Christina River
PA
NJ
MD
DE
Delaware Bay
Site Location
GW25D - (ND)
PW-4D - (BCB indirected)
TP1D - ND (1.4')
SB16d
SB13D - ND (>2')
S-14D - (ND)
S-15D - (ND)
SB26D - (ND)
SB23D - 0.29 (3.2')
SB20D - (ND)
SB17D - (ND)
PW-5D - (ND)
TP2 - ND (1.4')
S-10D - (ND)
SB14D - (ND)
10-1D - ND (>2')
10-2D - ND (>2')
RW-5-S001 - ND (0' - 6')
J-GP06 - ND (2' - 3.3')
AB-3-S001 - (ND)
SB29D - (ND)
GW27D - (ND)
S-09D - (ND)
SB24D - 7.3 (>2')
J-GP02 - ND (4' - 4.8')
J-GP09 - ND (2' - 3.1')
J-GP07 - ND (2' - 2.7')
J-GP04 - ND (2' - 2.5')
J-GP03 - ND (2' - 2.9')
J-GP01 - ND (2' - 3.2')
GW21D - 0.10 (>2')
RW-6-S001 - (ND)
SB18D - (ND)
SB15D - (ND)
SB11D - (ND)
S-07D - (ND)
SB8D - (ND)
SB6S - (ND) (>2')
SB4d
SB33d
SB34d
SB35d
36-4D - ND (>2')
JAB41 - ND (4')
S-03D - (ND)
SB12D - 0.25 (>2')
9-1D - ND (>2')
9-4D - ND (>2')
TP4-4
JAB45 - ND (8')
TP4-5
SB9D - ND (>2')
R-9 - (ND)
R-9 - (ND)
9-2D - ND (>2')
9-3D - ND (>2')
S-05D - (ND)
SB7D - (ND)
SB5d
SB30D - 0.062 (>2')
SB36D - 0.077 (>2')
36-3D - ND (>2')
PW-1D - (ND)
JAMES CT
Soil Sample, No PCB Data Available
Soil Sample
Estimated PCB Distribution
Jablow Property Site Boundary
Tax Parcels
Buildings
Surface Water
Notes:
ND (0' - 6') - Not Detected and Sample Depth. Screening data is in parentheses and italic text. Samples showing multiple screening values were taken at different depths.
Source: Delaware DataMIL - Tax Parcels; New Castle County - Buildings.
BrightFields, Inc.
Environmental Evaluation
Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
PCB Distribution in Subsurface Unsaturated Soil
Jablow Property
Wilmington, Delaware
By
Date
Scale:
File Name:
Drawn
ADS
6/26/2014
1:420
Fig1SS_UnSat.mxd
Checked
HLW
6/26/2014
Fig. No.
Project #
0985.69.51
Figure 3
0
17.5
35
Feet
N
W
E
S

Christina River
PA
Site Location
NJ
MD
DE
Delaware Bay
J-GP17 - ND (4' - 4.7')
J-GP16 - ND (4' - 4.7')
J-GP16 - ND (4.7' - 6.1')
J-HA14 - ND (2' - 3.3')
J-GP10 - ND (4' - 5.4')
J-GP11 - ND (4' - 4.9')
J-GP13 - ND (4' - 4.5')
J-GP13 - ND (4.5' - 5.8')
J-GP12 - ND (4' - 5.9')
J-GP23 - ND (4' - 4.9')
J-GP23 - ND (4.9' - 6')
J-GP24 - ND (4' - 5.4')
J-GP25 - ND (4' - 4.8')
TP6 - ND (14')
PW-3D - (ND)
S-11D - (ND)
RW-5-S002 - (ND)
RW-5-S003 - (ND)
J-GP06 - ND (4' - 5.2')
J-GP05 - ND (4' - 6')
J-GP02 - ND (4.8' - 5.6')
J-GP09 - ND (4' - 6')
J-GP07 - ND (4' - 6')
J-GP04 - ND (4' - 5.2')
J-GP01 - ND (4' - 6')
J-GP03 - ND (4' - 6')
S-12D - (ND)
J-GP08 - ND (4' - 6')
RW-6-S002 - (ND)
RW-6-S003 - (ND)
RW-7-S001 - (ND)
RW-7-S002 - ND (6' - 12')
RW-7-S003 - (ND)
RW-8-S001 - ND (0' - 6')
RW-8-S002 - (ND)
RW-8-S003 - (ND)
S-08D - (ND)
TP5-2 - ND (12')
PW-2D - (ND)
Q3-NORTH
Q3-SOUTH
S-01D - (ND)
S-06D - (PCBs detected)
S-13D - (ND)
PIPE EAST
S-02D - (ND)
UST NORTH
UST WEST
UST EAST
UST SOUTH
JAMES CT
Soil Sample, No PCB data available
Soil Sample
Estimated PCB Distribution
Jablow Property Site Boundary
Tax Parcels
Buildings
Surface Water
Notes:
0.25 (0.25) - Total PCB Concentration (mg/kg) and Sample Depth.
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
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
PCB Distribution in Subsurface Saturated Soil
Jablow Property
Wilmington, Delaware
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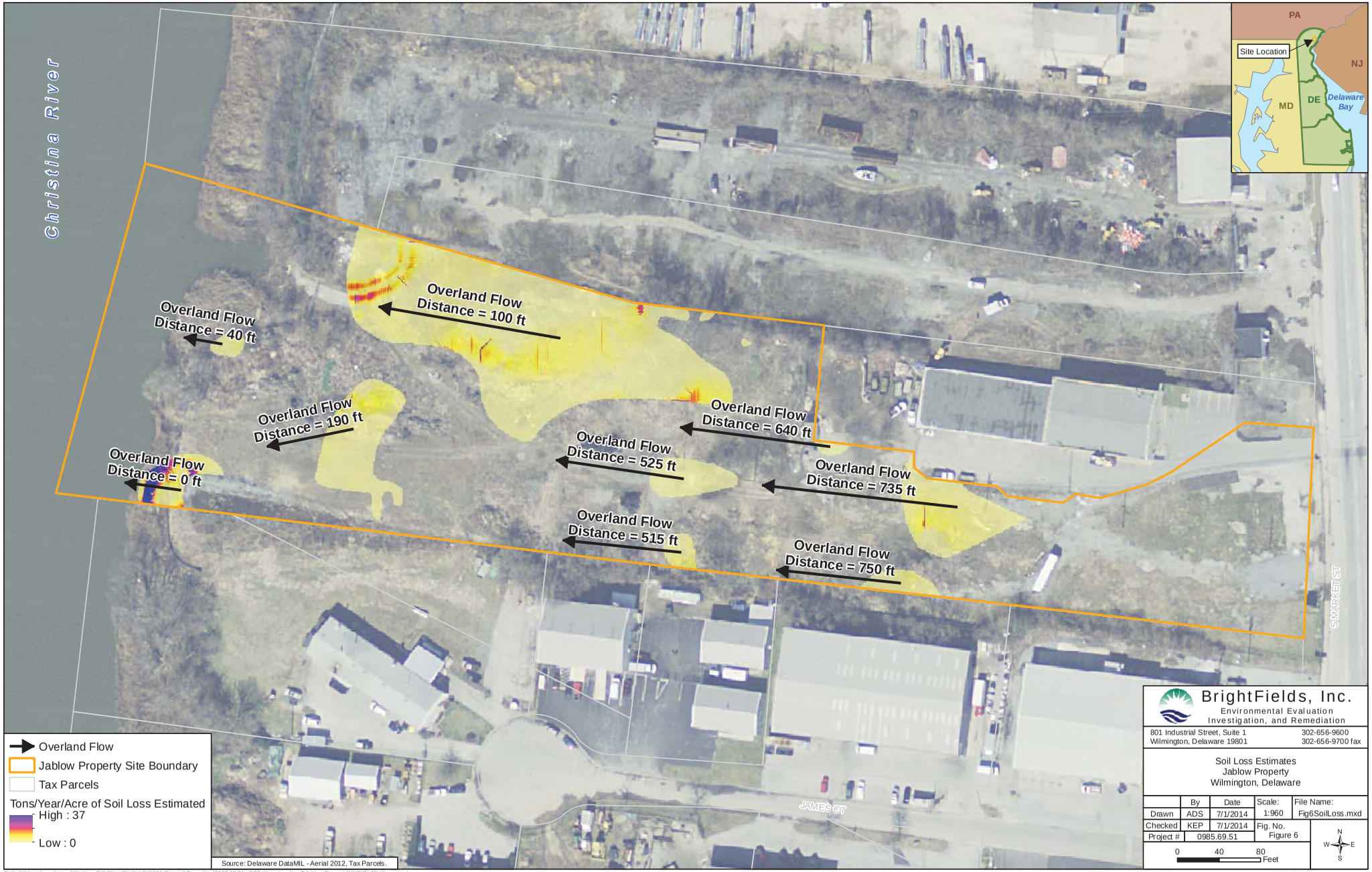

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Tables

Table 1
PCB Screening Results For Soil
Jablow Property (DE-1329)
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
GW21D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
GW21S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
GW25D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
GW25S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
GW27D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
GW27S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-13	ND
PW-1D	6'	Tetra Tech	Phase II ESA	Nov-13	ND
PW-1S	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
PW-2D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
PW-2S	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
PW-3D	6.5'	Tetra Tech	Phase II ESA	Nov-13	ND
PW-4D	3.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
PW-5D	7'	Tetra Tech	Phase II ESA	Nov-13	ND
R-9	0' - 5'	BrightFields	Subsurface Investigation Report	Oct-13	ND
R-9	5' - 10'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-5-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-5-S002	6' - 12'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-5-S003	12' - 18'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-6-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-6-S002	6' - 12'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-6-S003	12' - 18'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-7-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-7-S002	6' - 12'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-7-S003	12' - 18'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-8-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-8-S002	6' - 12'	BrightFields	Subsurface Investigation Report	Oct-13	ND
RW-8-S003	12' - 18'	BrightFields	Subsurface Investigation Report	Oct-13	ND
S-01D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
S-02D	6'	Tetra Tech	Phase II ESA	Nov-13	ND
S-02S	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
S-03D	3'	Tetra Tech	Phase II ESA	Nov-13	ND
S-05D	3'	Tetra Tech	Phase II ESA	Nov-13	ND
S-06D	2.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
S-07D	2.5'	Tetra Tech	Phase II ESA	Nov-13	ND
S-07S	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
S-08D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
S-09D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
S-10D	3'	Tetra Tech	Phase II ESA	Nov-13	ND
S-11D	7'	Tetra Tech	Phase II ESA	Nov-13	ND
S-12D	8'	Tetra Tech	Phase II ESA	Nov-13	ND
S-13D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
S-14D	6'	Tetra Tech	Phase II ESA	Nov-13	ND
S-15D	4'	Tetra Tech	Phase II ESA	Nov-13	ND
SB11D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB11S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB14D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB14S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND

Table 1
PCB Screening Results For Soil
Jablow Property (DE-1329)
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
SB15D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB15S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB17D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB17S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB18D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB18S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB20D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB20S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB23D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB23S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB24D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB24S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB26D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB26S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB28D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB28S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB29D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB29S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB6D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB6S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB7D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB7S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB8D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB8S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB9D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SB9S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-13	ND
SS-01	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-02	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-03	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-04	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-05	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-06	0.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
SS-07	0.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
SS-08	0.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
SS-09	0.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected
SS-10	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-11	0.5'	Tetra Tech	Phase II ESA	Nov-13	ND
SS-12	0.5'	Tetra Tech	Phase II ESA	Nov-13	PCBs detected

Note: All results reported in mg/kg.

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

Table 2
PCB Analytical Results For Soil
Jablow Property (DE-1329)
Wilmington, DE

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Aroclor-1016 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.39		Aroclor-1221 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1232 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1242 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1248 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1254 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.11		Aroclor-1260 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1262 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA		Aroclor-1268 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA	
10-1D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.074	U	0.074	U	0.074	U	0.074	U	0.074	U	0.074	U	0.074	U	NA		NA	
10-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	NA		NA	
10-2D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	NA		NA	
10-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	NA		NA	
13-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	2	U	2	U	2	U	2	U	2	U	**35**		2	U	NA		NA	
13-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	**0.46**		0.087	U	NA		NA	
13-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	NA		NA	
13-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.45	U	0.45	U	0.45	U	0.45	U	0.45	U	**4.7**		0.45	U	NA		NA	
15-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	NA		NA	
15-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	NA		NA	
15-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	NA		NA	
15-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	NA		NA	
23-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	NA		NA	
23-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	NA		NA	
23-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	NA		NA	
23-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.097	U	0.097	U	0.097	U	0.097	U	0.097	U	**0.13**		0.097	U	NA		NA	
24-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	NA		NA	
24-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	**0.21**		0.079	U	NA		NA	
24-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.086	U	0.086	U	0.086	U	0.086	U	0.086	U	0.086	U	0.086	U	NA		NA	
24-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	NA		NA	
28-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	NA		NA	
28-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	NA		NA	
28-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	NA		NA	
28-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	NA		NA	
36-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	NA		NA	
36-3D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	NA		NA	
36-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	NA		NA	
36-4D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	NA		NA	
36-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	NA		NA	
9-1D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	NA		NA	
9-1S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	NA		NA	
9-2D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	NA		NA	
9-2S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.17		NA		NA	
9-3D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	NA		NA	
9-3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	NA		NA	
9-4D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	NA		NA	
9-4S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	NA		NA	
GW21D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.088	U	0.088	U	0.088	U	0.88	U	0.088	U	0.088	U	0.1		NA		NA	
GW3S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	NA		NA	
J-GP01	0' -2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	**0.1**		0.023	U	0.023	U	0.023	U
J-GP01	2' - 3.2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP01	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP02	0' - 0.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	**0.18**		0.024	U	0.024	U	0.024	U
J-GP02	4' - 4.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP02	4.8' - 5.6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP03	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP03	2' - 2.9'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP03	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.028	U	0.028	U	0.028	U	0.028	U
J-GP04	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.083		0.022	U	0.022	U	0.022	U
J-GP04	2' - 2.5'	BrightFields	Draft PCB Delineation Report	Apr-14	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.03	U	0.03	U	0.03	U	0.03	U
J-GP04	4' - 5.2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.029	U	0.029	U	0.029	U	0.029	U
J-GP05	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.11		0.024	U	0.024	U	0.024	U
J-GP05	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP06	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP06	2' - 3.3'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.026	U	0.026	U	0.026	U	0.026	U

Table 2
PCB Analytical Results For Soil
Jablow Property (DE-1329)
Wilmington, DE

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Aroclor-1016 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.39		Aroclor-1221 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1232 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1242 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1248 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1254 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.11		Aroclor-1260 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1262 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA		Aroclor-1268 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA	
J-GP06	4' - 5.2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.028	U	0.028	U	0.028	U	0.028	U
J-GP07	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP07	2' - 2.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP07	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.028	U	0.028	U	0.028	U	0.028	U
J-GP08	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP08	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.028	U	0.028	U	0.028	U	0.028	U
J-GP09	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.023	U	0.023	U	0.023	U	0.023	U
J-GP09	2' - 3.1'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP09	4' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.028	U	0.028	U	0.028	U	0.028	U
J-GP10	0' - 1.4'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP10	4' - 5.4'	BrightFields	Draft PCB Delineation Report	Apr-14	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.031	U	0.031	U	0.031	U	0.031	U
J-GP11	0' - 1.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP11	4' - 4.9'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP12	0' - 0.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP12	4' - 5.9'	BrightFields	Draft PCB Delineation Report	Apr-14	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.031	U	0.031	U	0.031	U	0.031	U
J-GP13	0' - 1.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP13	4' - 4.5'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP13	4.5' - 5.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.03	U	0.03	U	0.03	U	0.03	U
J-GP16	0' -1.4'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP16	4' - 4.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP16	4.7' - 6.1'	BrightFields	Draft PCB Delineation Report	Apr-14	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.027	U	0.027	U	0.027	U	0.027	U
J-GP17	0' - 1.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP17	4' - 4.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP18	0' - 1.2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.023	U	0.023	U	0.023	U	0.023	U
J-GP19	0' - 1.6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP20	0' - 1.5'	BrightFields	Draft PCB Delineation Report	Apr-14	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP21	0' - 1'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP22	0' - 1.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.023	U	0.023	U	0.023	U	0.023	U
J-GP22	4' - 5'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.026	U	0.026	U	0.026	U	0.026	U
J-GP23	0' - 1.1'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.026	U	0.026	U	0.026	U	0.026	U
J-GP23	4' - 4.9'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP23	4.9' - 6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	0.034	U	0.034	U	0.034	U	0.034	U
J-GP24	0' - 1.6'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP24	4' - 5.4'	BrightFields	Draft PCB Delineation Report	Apr-14	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.026	U	0.026	U	0.026	U	0.026	U
J-GP25	0' - 1.7'	BrightFields	Draft PCB Delineation Report	Apr-14	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.022	U	0.022	U	0.022	U	0.022	U
J-GP25	4' - 4.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-GP26	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.023	U	0.023	U	0.023	U	0.023	U
J-GP27	0' - 1.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.023	U	0.023	U	0.023	U	0.023	U
J-GP28	0' - 1.4'	BrightFields	Draft PCB Delineation Report	Apr-14	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
J-GP29	0' - 1.8'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-HA14	0' - 2'	BrightFields	Draft PCB Delineation Report	Apr-14	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	0.021	U	0.058	J	0.021	U	0.021	U
J-HA14	2' - 3.3'	BrightFields	Draft PCB Delineation Report	Apr-14	0.019	U	0.019	U	0.019	U	0.019	U	0.019	U	0.024	U	0.024	U	0.024	U	0.024	U
J-HA15	0' - 1.3'	BrightFields	Draft PCB Delineation Report	Apr-14	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	0.021	U	0.021	U	0.021	U	0.021	U
JAB41	4'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	NA		NA	
JAB45	8'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	NA		NA	
RW-5-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
RW-7-S002	6' - 12'	BrightFields	Subsurface Investigation Report	Oct-12	0.099	U	0.099	U	0.099	U	0.099	U	0.099	U	0.099	U	0.099	U	0.099	U	0.099	U
RW-8-S001	0' - 6'	BrightFields	Subsurface Investigation Report	Oct-12	0.11	U	0.11	U	0.11	U	0.11	U	0.13		0.099	J	0.11	U	0.11	U	0.11	U
SB10S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.18		NA		NA	
SB12D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	**0.25**		NA		NA	
SB13D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	NA		NA	
SB15S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.094	U	0.094	U	0.094	U	0.094	U	0.094	U	**0.38**		0.094	U	NA		NA	
SB19S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.1		NA		NA	
SB20S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079		NA		NA	
SB23D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.094	U	0.094	U	0.094	U	0.094	U	0.094	U	0.094	U	**0.29**		NA		NA	

Table 2
PCB Analytical Results For Soil
Jablow Property (DE-1329)
Wilmington, DE

Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Aroclor-1016 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.39		Aroclor-1221 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1232 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.14		Aroclor-1242 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1248 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1254 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.11		Aroclor-1260 DNREC-SIRS Screening Level (January 2014) (mg/kg) 0.22		Aroclor-1262 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA		Aroclor-1268 DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA	
SB24D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.47	U	0.47	U	0.47	U	6.7		0.47	U	0.47	U	**0.57**		NA		NA	
SB28D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.099	U	0.099	U	0.099	U	0.099	U	**0.25**		**0.31**		0.2		NA		NA	
SB28S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	**0.25**		NA		NA	
SB29S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	**0.23**		NA		NA	
SB30D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.062	J	NA		NA	
SB31S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	NA		NA	
SB32S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	NA		NA	
SB36D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Boring Locations	Jan-12	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077		NA		NA	
SB6D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	NA		NA	
SB8S	0' - 2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.11		NA		NA	
SB9D	>2'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Soil Sampling Locations	Jan-12	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	0.075	U	NA		NA	
TP1D	14'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	NA		NA	
TP1S	NA	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.12		NA		NA	
TP2	14'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	NA		NA	
TP3-1	NA	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	NA		NA	
TP3-2	NA	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	0.076	U	NA		NA	
TP5-2	12'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	NA		NA	
TP6	14'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Test Pit Locations	Jan-12	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	NA		NA	

Note: All results reported in mg/kg.

Qualifiers:
bgs - Below ground surface
NCA - No criteria available
NA- Not analyzed
U - Sample not detected above the laboratory method detection limit
J - Estimated value
Bold and shaded - Exceeds DNREC-SIRS January 2014 Screening Levels

Table 3
PCB Analytical Results For Groundwater
Jablow Property (DE-1329)
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) 0.11		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.004*		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.004*		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.034*		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.034*		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.031*		DNREC-SIRS Screening Level (January 2014) (ug/L) 0.034*	
GW1	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U
GW21	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
GW22	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
GW25	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
GW27	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
GW28	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
GW3	3' - 13'	Landmark JCM	Landmark JCM, Jablow Property, Draft Brownfields Investigation Report, January 2012, Groundwater Wells	Jan-12	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PW-1	NA	Tetra Tech	Phase II ESA	Nov-04	0.51	U	1.2	U	0.93	U	0.51	U	0.51	U	0.51	U	0.51	U
PW-2	NA	Tetra Tech	Phase II ESA	Nov-04	0.53	U	1.3	U	0.95	U	0.53	U	0.53	U	0.53	U	0.53	U
PW-3	NA	Tetra Tech	Phase II ESA	Nov-04	0.51	U	1.2	U	0.92	U	0.51	U	0.51	U	0.51	U	0.51	U
PW-4	NA	Tetra Tech	Phase II ESA	Nov-04	0.52	U	1.3	U	0.94	U	0.52	U	0.52	U	0.52	U	0.52	U
PW-5	NA	Tetra Tech	Phase II ESA	Nov-04	0.52	U	1.3	U	0.94	U	0.52	U	0.52	U	0.52	U	0.52	U

Note: All results reported in ug/L.

Qualifiers:
bgs - Below ground surface
NA - Not analyzed
* - Screening level likely below the routine method detection limit
U - Sample not detected above the laboratory method detection limit

Site Photographs

The eastern portion of the site next to Route 13.

The view from Route 13 looking to the west into the site.

The thicker vegetation in the middle of the site looking to the west.

BrightFields, Inc.

Overland Flow Calculations

PCB Loading Calculations from the Revised Universal Soil Loss Equation (RUSLE)
Jablow Property (DE-1329)
Wilmington, DE

Surface PCB Concentration | 5.7 | mg/kg

Symbol	Factor	Value	Units
R	Rainfall/Runoff Erosivity Index	175	10^2 ft-tonf-in/ac-hr-yr
K	Soil Erodibility	0.27	0.01 ton-ac-hr/ ac-ft-tonf-in
	Erodible Area	1.3	Acres
LS	Topographic Factor	0.060	Dimensionless
C	Cover and Management Factor	0.17	Dimensionless
P	Support Practice Factor	0.25	Dimensionless
A	Average Annual Soil Loss	0.12	ton/ac-yr

PCB Loading via Overland Flow | 0.81 | **grams/year - PCBs**

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Groundwater Transport Calculations

(Not Applicable)