BrightFields, Inc.

Appendix 25

PACK AND PROCESS

WILMINGTON, DELAWARE

SIRS ID: DE-1421

GENERAL SITE INFORMATION

Site Name: Pack and Process

SIRS ID Number: DE-1421

Site Location and Description:

The Pack and Process site is located at 1101 East 8th and 1113 NS East 7th Street in Wilmington, Delaware. The site is approximately 3.3 acres in size and is comprised of two tax parcels (#2604400014 and #2604400015) (Figure 1). The property is split into three operable units (OUs), OU1, OU2, and OU3. OU1 is the portion of the Pack and Process property located adjacent to the Former Carney Harris property and the Former Carney Harris Property. OU2 is the former car shop, completely contained within the Pack and Process property. OU3 consists of the remaining property which includes a one story warehouse, two paved parking lots, and a grass covered lot. This report focuses on OU2 and OU3.

The Brandywine Creek lies northeast of the site. The property is bounded to the north by the Former Carney Harris site; to the northeast by a bridge deck fabrication company; to the east by a property used as a storage yard for vehicles and a landscaping business; to the south by 7th Street and subsequently a pharmaceutical manufacturing company, a yacht building business, a park, and the Kalmar Nyckel Foundation/Challenge Program; and to the west by railroad tracks. The property is zoned as waterfront manufacturing/commercial. The surrounding area consists of mainly industrial and commercial properties.

Based on the 2009 Brownfield Investigation, surface water from the Site discharges south. This means that it would discharge to the Christina River and ultimately the Delaware River.

Currently the property is owned by the Kalmar Nyckel Foundation and part of the space is being leased to Noramco, a pharmaceutical company located across 7th Street. Some of the buildings that have historically existed on the site include a planning mill, boiler shop, sash shop, car and truck shops, car erecting shop, transfer shop, and car finishing and painting shops.

Previous Site Uses:

The property was originally owned as a part of a 25 acre parcel by Jackson and Sharp Company from the late 1863 through the early 1900s. The foundation from the Car/Erector Shop (Erector

Shop) has existed since 1884 and the facilities were used for manufacturing railroad cars. From 1927 until the 1960s, the American Car & Foundry Company owned and operated activities on the property. Between 1961 and 1968 all of the buildings from Jackson and Sharp Company and American Car & Foundry Company were demolished. The existing building was constructed around 1970 and the site was used to construct railroad cars, passenger cars, streetcars, and ships. From 1970 through the mid-1990s, the facility was used to process and package dry food products. There are also records of the property being used for various purposes including a ladder and equipment manufacturer and storage buildings. P&C roofing company leased the building for office and warehouse space.

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.

Brownfield Preliminary Assessment of the 7th Street Peninsula-Northside (DNREC, 1999)

DNREC investigated the East 7th Street Peninsula. Soil samples were collected from three test pits on the property. All of the soil samples were screened, however screening data was not available. Two samples collected from TP-2 onsite were analyzed for PCBs and concentrations of Aroclor 1248, 1254, and 1260 exceeded the RBC industrial and residential criterion for soil. A groundwater sample was collected from MW-4 onsite and PCBs were not detected.

Environmental Sampling (Duffield Associates, 2008)

Soil samples were collected from 13 test pit locations throughout the site. Two sediment samples were collected from the floor slab basement of the former Erector Shop. Four composite samples were collected using soil from the 10 test pits and the two sample locations of accumulated sediment on the floor slab. A total of 29 soil samples were submitted for confirmatory analysis, which included 23 grab soil samples from 12 of the test pits, two sediment samples, and four composite samples. PCB concentrations exceeded URS values in three of the 12 test pits and both of the sediment samples. The composite samples were not analyzed for PCBs.

Pre-Removal PCB Soil Delineation (Ten Bears Environmental, 2008)

Sampling was performed on OU-1 (Former Carney Harris) and the adjoining edge of OU-2 to delineate PCBs to the EPA-required concentration of 1 mg/kg or less in the "PCB Area."

Brownfield Investigation Report (Duffield Associates, 2009)

Duffield Associates prepared a Brownfield Investigation Report on behalf of P & C Roofing, Inc., a prospective buyer of the property.

Soil samples were collected from 32 locations throughout the Former Erector Shop and the rest of the site. 66 soil samples were collected and screened, then selected samples were sent for confirmatory analysis. Of the nine shallow soil samples and six deep samples submitted for confirmatory analysis of PCBs, three shallow samples and two deep samples had concentrations of Aroclor 1248 which exceeded the URS for Restricted use.

Two groundwater monitoring wells were installed and sampled along with a pre-existing monitoring well. The unfiltered groundwater sample from MW-3 had a total PCB concentration of 21 µg/L, which is higher than the guidance value of 0.03 µg/L.

Three debris samples were collected from the former Pack and Process warehouse. PCBs were detected in all three samples with concentrations ranging from 1.3 mg/kg to 12 mg/kg. An additional five debris samples were collected from the flooded portion of the Former Erector Shop, including one from a pool of standing water next to the structure. Four of the five samples had PCB concentrations ranging from 12 mg/kg to 14,000 mg/kg which exceeded the URS for Restricted Use.

DNREC also requested a "Hot Spot" sampling event near the border with the Former Carney Harris building to delineate the PCB contamination. This was performed in late September through early October 2008. A total of 189 samples were collected at 32 different sample grid nodes (multiple depths). A total of 43 samples were sent for analysis and PCBs were detected in 26 samples with PCB concentrations ranging from 0.1 mg/kg to 26 mg/kg.

Supplemental Groundwater Sampling (Duffield Associates, 2009)

The 2009 Brownfield Investigation Report recommended collection of additional groundwater samples to analyze for PCBs in shallow groundwater using low-flow sampling methodology and

collecting both filtered and unfiltered samples. Sampling revealed PCBs in filtered and unfiltered samples from MW-3 at concentrations of 0.03 µg/L and 17 µg/L, respectively.

Supplemental Soil Investigation (BrightFields, 2011)

PCB sampling was conducted in OU2 and east of the former erecting shop. The area is covered in dense vegetation so there were limited previous investigations of OU2 except for the test pits from the 2009 Brownfield Investigation. The three test pits where PCBs had been detected were re-sampled. Of the twelve soil samples screened, PCBs were detected in seven samples at trace to low concentrations. Upon further analyses, Aroclor 1248 was detected in nine of the 19 soil samples with concentrations ranging from 0.36 mg/kg to 53 mg/kg. All nine were above the unrestricted use URS criteria of 0.3 mg/kg, and four were above the restricted use URS criteria of 3 mg/kg. PCB concentrations in sample SB-4-2-4 exceeded 50 mg/kg, which is the cleanup action level for PCB spills under TSCA (40 CFR 761.125(a)). Given the spatial distribution of PCBs on the property, BrightFields concluded that the PCB contamination in OU2 was not related to the contamination in OU1. In addition to PCBs, elevated concentrations of PAHs and lead were detected in the samples and some exceeded the restricted URS criteria.

Phase I Environmental Site Assessment (BrightFields, 2012)

BrightFields Inc. completed the Phase I Environmental Site Assessment (ESA) on behalf of the Kalmar Nyckel Foundation, a prospective buyer and redeveloper of the property. During the ESA, three 55-gallon drums were seen on the property which could have leaked or been leaking at the time. In addition, a 250-gallon AST for waste oil was observed inside of the former Pack and Process warehouse along with a tray holding an oily substance underneath the tank. Inside the warehouse there were also two hydraulic lifts, which could have fluids containing PCBs. BrightFields recommended further investigation and removal of the drums and waste oil AST.

Remediation Complete/Project Closeout Report (Ten Bears Environmental, 2013)

The report describes the remediation performed for OU1, including the Former Carney Harris Site (DE-1397) and part of the Pack and Process site owned by Plant 5 LLC. Remedial activities consisted of removing PCB contaminated soils where concentrations exceeded 100 mg/kg, placing an asphalt cap over the PCB soils with concentrations ranging from 25 to 100 mg/kg, restricting future land use of the area to "Low Occupancy," and forming a Long Term Stewardship (LTS) Plan for operation and maintenance of the cap and groundwater quality

monitoring. For PCBs, the area with the highest concentrations and the most concern was a lower elevation area located between the Former Carney Harris property and the Pack and Process site. Although this report is concerned primarily with OU-1, some delineation sampling, over-excavation, and confirmatory sampling extended into the boundaries of the Pack and Process site.

Final Supplemental Brownfield Investigation Report (BrightFields, 2014)

BrightFields performed a Supplemental Brownfield Investigation of OU2 and OU3. A total of 102 soil samples were collected from the site; 90 soil samples were collected from 31 borings advanced outside and 12 samples were collected from hand auger borings advanced within the former warehouse and the former Erector Shop. A total of six concrete floor samples were collected from the basement of the former warehouse and the former Erector Shop and nine accumulated sediment/material samples were collected from the former Erector Shop. Standing water inside of the former Erector Shop was also analyzed for future disposal purposes. Two new monitoring wells were installed as a part of the investigation and sampled with a third well that was previously installed on the site.

Soil samples were screened and based on the results, selected samples were sent for confirmatory analysis. In OU2, Aroclor 1248 was detected at concentrations exceeding the EPA TSCA clean up level for high occupancy (1 mg/kg) and for low occupancy (25 mg/kg) in the vegetated area. Below the Erector Shop floor, PCBs were detected in surface soil at a concentration above the 2013 DNREC screening level and the EPA TSCA clean up level for low occupancy. In OU3, Aroclor 1248 exceeded the 2013 DNREC screening level and Total PCBs exceeded the EPA TSCA clean up level for high occupancy in soil samples from the parking/vegetated area. PCBs were not detected in the warehouse or the Pack and Process basement in OU3.

All nine sediment/material samples and four concrete samples were analyzed for PCBs. Of the sediment/material samples, Aroclor 1248 and Aroclor 1260 exceeded the 2013 DNREC screening levels in the majority of the samples and a few samples exceeded the EPA TSCA clean up level for low occupancy, high occupancy, and the TSCA waste limit. In one concrete sample, PCBs exceeded the 2013 screening level for Aroclor-1248. PCBs were not detected in the standing water sample. All three groundwater samples were analyzed for PCB congeners and Total PCBs. All congener detections were below their respective DNREC 2013 screening levels. Total PCBs were detected in all three samples and were below the EPA drinking water standard and the DNREC Water Quality Criteria for the Protection of Aquatic Life.

Current Regulatory Status:

In 2009 the Pack and Process site became a certified Brownfield site as a result of the PCB contamination. In 2012, the Kalmar Nyckel Foundation entered into a Brownfield Development Agreement (BDA) with DNREC. In May 2014, a Proposed Plan of Remedial Action (PPRA) for OU3 was advertised by DNREC. The PPRA summarized plans to remove PCB impacted soil from the warehouse basement and backfill, install a fence separating OU2 and OU3, place a cap over OU3, record an Environmental Covenant, develop a Contaminated Materials Management Plan (CMMP), and develop a Long Term Stewardship (LTS) plan for the cap. There are currently no published plans to remediate OU2, however it will most likely be remediated for PCBs in the future.

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 a total of 61 surface soil samples. A total of 60 surface soil samples had concentrations ranging from 0.026 mg/kg to 2,500 mg/kg. One other surface soil sample was screened and had low PCBs, but no range of detection was provided. In unsaturated subsurface soil, PCBs were detected in 45 samples. A total of 44 unsaturated subsurface soil samples had concentrations ranging from 0.095 mg/kg to 53 mg/kg. One other sample was screened for PCBs and PCBs were detected at less than 1 mg/kg. PCBs were detected in 34 saturated subsurface soil samples. PCBs were detected in 31 saturated subsurface soil samples, at concentrations ranging from 0.0077 mg/kg to 130 mg/kg. Three other saturated subsurface soil samples were screened but did not have detection ranges.

It should be noted that some of the soil data was collected from underneath the building foundations. In most cases, the soil in a basement would not be readily available for soil erosion to occur. However, the Former Car Shop/Erecting Shop building at the Site has an open foundation which allows accumulated contaminated soils to be transported during flood conditions. This is reflected on the Soil Loss Estimates figure (Figure 6).

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 172.5 mg/kg. PCBs were detected in six groundwater samples with concentrations ranging from 0.00023 µg/L to 21 µg/L.

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 2,500 mg/kg
Subsurface Soil (unsaturated)	Figure 3	Method 8082 and Screening Data	Not detected to 53 mg/kg
Subsurface Soil (saturated)	Figure 4	Method 8082 and Screening Data	Not detected to 130 mg/kg

Concentrations of PCBs on Site			
Sample Matrix	**Corresponding Figure**	**Analytical Methods**	**Range of Total PCBs**
Groundwater	Figure 5	Method 8082	Not detected to 21 µg/L

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 0.80 acres (Figure 2). The estimated subsurface unsaturated soil area impacted by PCBs is 0.73 acres (Figure 3). The estimated subsurface saturated soil area impacted by PCBs is 0.50 acres (Figure 4). The estimated groundwater area impacted by PCBs is 2.8 acres (Figure 5).

PCB Remediation Status:

Some PCB-contaminated soils on the boundary of the Pack and Process site were removed and the excavated area was capped as part of the OU-1 remedial action for the former Carney Harris site. A PPRA advertised in May 2014 stated that PCB-contaminated soil in OU3 will be excavated or capped. PCB-contaminated soil in OU2 requires remediation, which will most likely take place in the future.

PCB MASS LOADING SUMMARY

The PCB mass loading rate to surface water via overland flow and groundwater transport was estimated for the Pack and Process Property. 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 factors (C) assigned to the erodible area and associated flow paths was 0.003, which corresponds to areas instituting a vegetative cover of grass or grass like plants over approximately 25% of the area.

Site Sediment and Erosion Control Practices:

Based on the aerial photography evaluation and review of site documents it does not appear that any sediment and erosion control practices are being implemented on Site.

Input Factors and Results:

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

Pack and Process

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)	0.2	The soil erodibility factor was selected from the National Resource Conservation Soil Survey Geographic Database (SSURGO).
ls = topographic factor (dimensionless)	0.24	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)	0.003	The cover/management factor C assigned to the erodible area was 0.003, which corresponds to areas instituting a vegetative cover of grass or grass like plants over approximately 25% of the site.
P = support practice factor (dimensionless)	1	No documentation was provided indicating that any sediment and erosion controls are in place.
A = average annual soil loss estimate (ton/ac-yr)	0.028	The average soil loss estimate was generated by ArcGIS using the input factors listed above.
Erodible Area (acres)	0.71	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 Pack and Process is **3.1 grams per year**. Please see attached table for specific variables.

Uncertainty Analysis Associated with Overland Flow:

Specific Areas and Degree of Uncertainty for the Pack and Process Site

	Samples Per Acre (site)	Chemical Data Quality*	Soil Type	Site Coverage	Map Quality	Distance to Discharge Point
Site Specific Information	124	Screening Data; Aroclor Data	Soil Database	Based on a thorough site assessment	Poorly Scaled Map; Adequately Scaled Map; GPS	Approximately 560 feet
Degree of Uncertainty	Low	Moderate to High	Low	Low	Moderate	Moderate

* Primary analysis used in the historical samples

Sources of uncertainty for the Pack and Process site include: The data utilized in the analysis was primarily screening data, some of which did not have a range of detection, and some Aroclor lab data. The sample locations were from poorly scaled maps, maps with adequate scales, and GPS coordinates. Based on this evaluation the level of uncertainty associated with overland flow PCB mass loading from the Pack and Process site is **Low to Moderate.**

Groundwater Discharge Analysis:

Groundwater discharge is based on the hydraulic conductivity of the soil, the groundwater gradient, and the cross-sectional area of the aquifer. A breakdown of the individual factors used in the Darcy equation is presented below. A groundwater discharge map is included as Figure 7.

Because PCBs were detected in groundwater, the maximum PCB concentration detected was used to calculate the mass loading. Only the most recent PCB groundwater data (11/09/12) was used in the calculations because all three wells sampled in 2012 are downgradient of MW03, have fairly good site spatial coverage, and have the highest quality data.

The calculations are presented in Table B in the groundwater transport calculations attachment.

Input Factors:

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

Groundwater Transport Factors	Value Used		Justification/Derivation of Value Used
	min	max	
K = Hydraulic Conductivity (ft/day)	14	42.5	Drilling logs from Geoprobe® borings were used to evaluate the lithology beneath the site. Groundwater being monitored is within a moderately coarse-grained fill unit that overlies the marsh deposit clay. The fill unit ranges in composition from a coarse-grained sandy silt to fine sand. The hydraulic conductivity ranges from approximately 5 x 10^{-3} to 1.5 x 10^{-2} cm/sec (Cernica, 1995). This converts to 14 to 42.5 ft/day.
I = Horizontal Groundwater Gradient	0.0083	0.011	On November 15 2012, synoptic groundwater level measurements were collected and the data from the three on-site wells (MW-4, MW-5, and MW-6), a well on the Kempf Storage property (KS-MW01), and a well on the SIP property (SIP-MW01), were used to assess the shallow groundwater flow direction beneath the Pack & Process site.
Saturated Thickness (ft)	0.5	5.5	Based on the borings logs, the saturated thickness, measured from the first water to top of marsh, the average thickness is 3 feet.
Lateral Discharge Distance (ft)	425	700	The lateral discharge distance was estimated to be equal to the length of the PCB impacted area measured perpendicular to the groundwater flow.
A= Cross-Sectional Area (ft2)	213	3,850	Calculated from the saturated thickness and lateral discharge distance
Groundwater PCB Concentration (µg/L)	0.00023	0.00047	The minimum and maximum groundwater concentrations detected.
Distance to Discharge point (ft)	35	255	Approximate distance from property boundary to closest discharge point (sewer or Christina River)

Mass Loading Via Groundwater Transport Result:

The groundwater discharge is 699 to 51,000 L/day (see attached Table A). The maximum detected PCB concentrations in groundwater (2.3 x 10^{-4} to 4.7 x 10^{-4} µg/L) was used to calculate

the loading estimate (Table B). The estimated minimum and maximum contaminant mass loading contributions shown in Table C assume that there are no contaminant losses due to degradation, dispersion, sorption, or volatilization, etc.

The total PCB loading via groundwater discharge is estimated to be between **0.0** and **0.0087 grams per year** (Table C).

Uncertainty Analysis Associated with Groundwater Transport:

Specific Areas and Degree of Uncertainty for the Pack and Process Site

	Groundwater PCB Concentration	**Sampling Density**	**Hydraulic Conductivity**	**Horizontal Groundwater Gradient**	**Saturated Thickness**	**Lateral Discharge Distance**	**Distance to Discharge Point**
Site Specific Information	Based on maximum concentration detected in groundwater	2.7; Possible data gaps	Based on detailed site logs	Multiple points with numerous groundwater measurements	Good quality logs	Good groundwater gradient defined and a moderate number of samples collected onsite	Directly adjacent
Degree of Uncertainty	Low	Low to Moderate	Moderate	Low to Moderate	Moderate	Moderate	Low

Based on this evaluation the level of uncertainty associated with groundwater transport PCB mass loading from the Pack and Process site is **Low to Moderate.**

Site References:

BrightFields, Inc., 2011, Supplemental Soil Investigation at Operable Unit #2 Pack and Process Site (DE-1421), April 2011.

BrightFields, Inc., 2012, Phase I Environmental Site Assessment, Pack & Process Property, December 2012.

BrightFields, Inc., 2014, Supplemental Brownfield Investigation Report, Pack & Process Property, October 2013, Revised March 2014.

Delaware Department of Natural Resources and Environmental Control (DNREC), 2010, Toxic Substance and Control Act (TSCA) Notification Report, Former Carney Harris (DE-1397) and Pack & Process (DE-1048) OU1, February 2010.

DNREC, 2014, Proposed Plan of Remedial Action, Former Pack and Process (OU-3) Site, June 2014.

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

Duffield Associates to P & C Roofing, Inc., Environmental Sampling, Former Pack and Process Property, 7th Street Peninsula, July 2008.

Duffield Associates, 2008, Conceptual Site Model and Site Summary for Pack and Process Site (DE # 1421), August 2008.

Duffield Associates, Inc., 2009, Brownfield Investigation Report, Former Pack and Process/DE-1421, March 2009, Revised June 2009.

Ten Bears Environmental, LLC, 2013, Remediation Complete/Project Closeout Report, PCB-Soil Interim Action and Final Remedial Action, Jackson & Sharp/Plant 5 Operable Unit 1 (Former Carney Harris Site, DE-1397), January 2013.

USEPA, 40 CFR 761 Subpart G "PCB Spill Cleanup Policy"

Figures

OU - 1
FORMER CARNEY HARRIS
OU - 2
FORMER CAR SHOP/
ERECTING SHOP
OU - 3
FORMER PACK & PROCESS
WAREHOUSE
Brandywine Creek
PA
NJ
MD
DE
Delaware Bay
Site Location
Soil Sample
Groundwater Sample
Surface Water Sample
Sediment Sample
Other
Operable Units
Pack and Process Site Boundary (3.33 acres)
Tax Parcels
Buildings/Building Foundations
Source: Delaware DataBrit, - 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)
Pack and Process
Wilmington, Delaware
By
Date
Scale:
File Name:
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ADS
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Figure 1
Project #
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FORMER PACK & PROCESS WAREHOUSE
FORMER CAR SHOP/ ERECTING SHOP
Brandywine Creek
E EIGHTH ST
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AMTRAK RR
SWEDES LANDING RD
PA
NJ
MD
DE
Delaware Bay
Site Location
Soil Sample, No PCB data available
Soil Sample
Estimated PCB Distribution
Pack and Process Site Boundary
Tax Parcels
Buildings/Building Foundations
Surface Water
Notes:
0.16 (0') - Total PCB Concentration (mg/kg) and Sample Depth.
ND - Not Detected
Screening data is in parentheses and italicized.
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 Surface Soil (0' - 2' bgs)
Pack and Process
Wilmington, Delaware
By | Date | Scale: | File Name:
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Checked | JEH | 4/4/2014 | Fig. No.
Project # | 0985.69.51 | Figure 2
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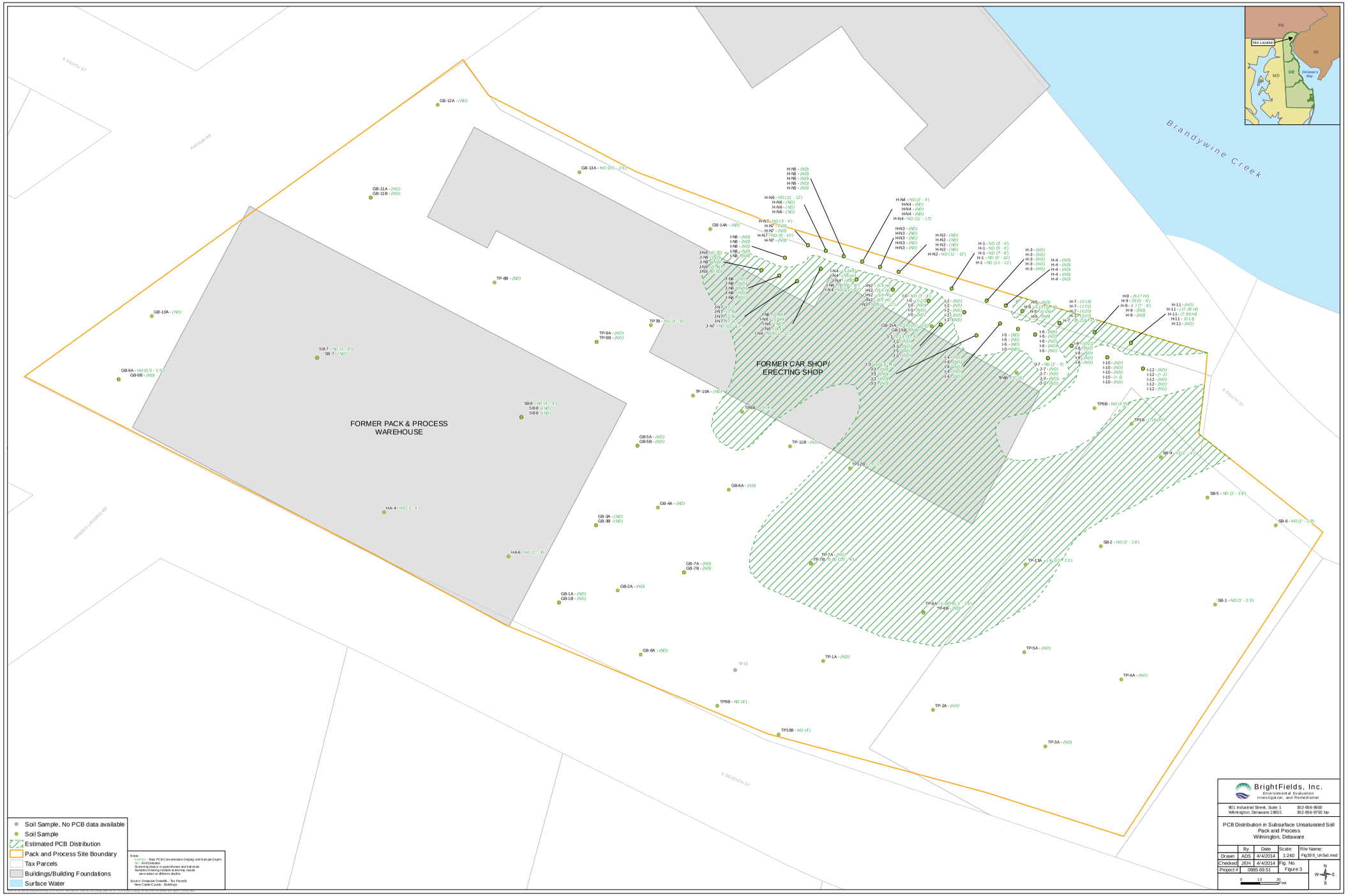
FORMER PACK & PROCESS WAREHOUSE
FORMER CAR SHOP/ ERECTING SHOP
Brandywine Creek
E EIGHTH ST
E SEVENTH ST
AMTRAK RR
SWEDES LANDING RD
PA
NJ
MD
DE
Delaware Bay
Site Location
Soil Sample, No PCB data available
Soil Sample
Estimated PCB Distribution
Pack and Process Site Boundary
Tax Parcels
Buildings/Building Foundations
Surface Water
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0.58 (ND) - Total PCB Concentration (mg/kg) and Sample Depth.
ND - Not Detected
Screening data is in parentheses and italicized.
Sample depth is shown in screening values
are in bold 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 Unsaturated Soil
Pack and Process
Wilmington, Delaware
By
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File Name:
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4/4/2014
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Project #
0985.69.51
Figure 3
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FORMER PACK & PROCESS WAREHOUSE
FORMER CAR SHOP/ ERECTING SHOP
Brandywine Creek
E EIGHTH ST
E SEVENTH ST
AMTRAK RR
SWEDES LANDING RD
PA
NJ
MD
DE
Delaware Bay
Site Location
Soil Sample, No PCB data available
Soil Sample
Estimated PCB Distribution
Pack and Process Site Boundary
Tax Parcels
Buildings/Building Foundations
Surface Water
Notes:
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ND - Not Detected
Screening data is in parentheses and italicized.
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 Saturated Soil
Pack and Process
Wilmington, Delaware
By
Date
Scale:
File Name:
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ADS
4/4/2014
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4/4/2014
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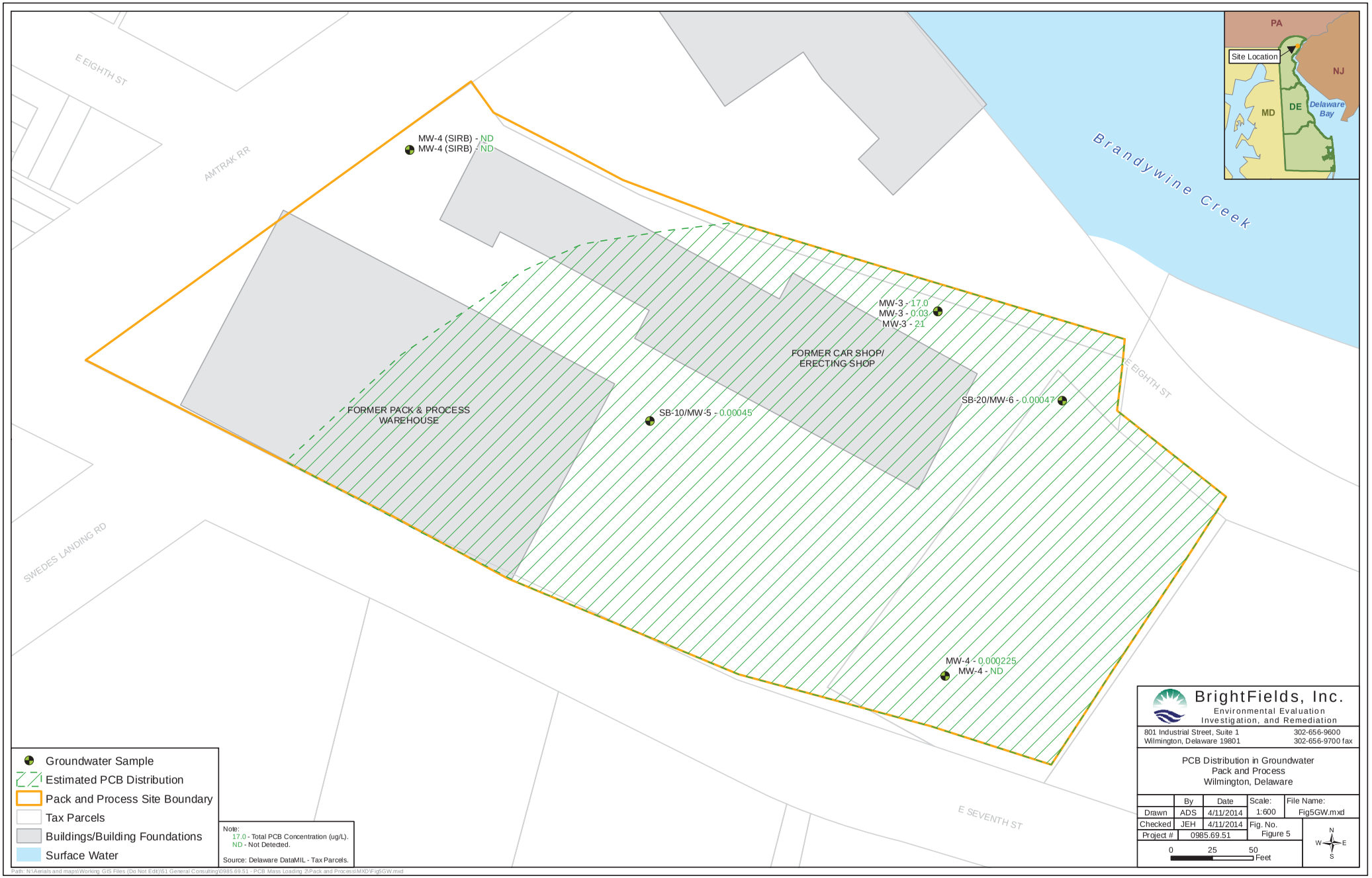

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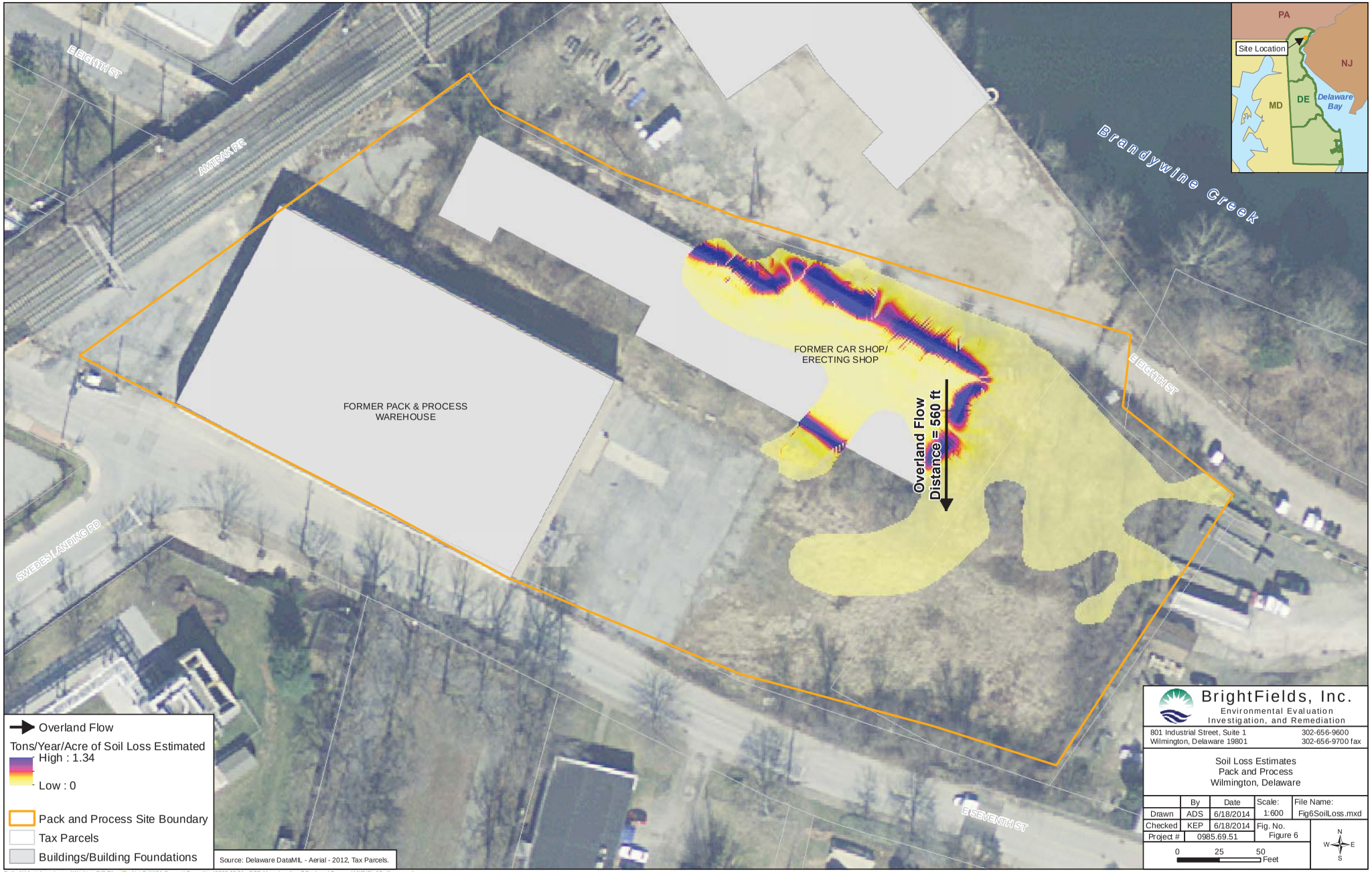

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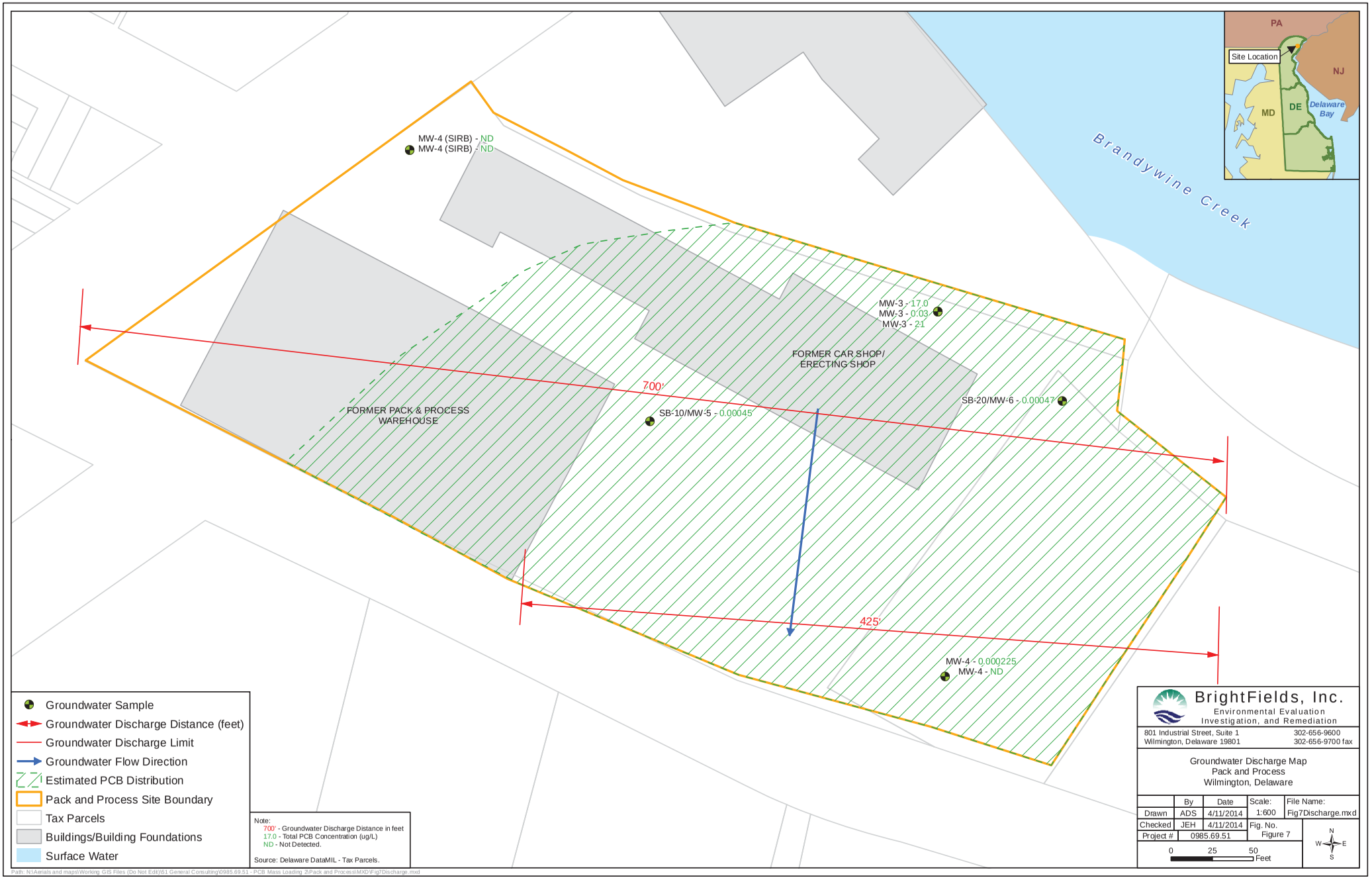

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Tables

Table 1
PCB Screening Results For Soil
Pack and Process (DE-1421)
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
GB-10A	1' - 3'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-10B	5' - 7'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-11A	0.4' - 2.4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-11B	13' - 15'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-12A	0.6' - 3.0'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-12B	11' - 13'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-13A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-13B	7' - 9'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-14A	0.4' - 2.4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-14B	5' - 7'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-15A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-15B	2.4' - 4.4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-1A	0.4' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-1B	6' - 8'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-2A	0.5' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-2B	9' - 11'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-3A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-3B	7' - 9'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-4A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-4B	5' - 7'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-5A	0.6' - 2.6'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-5B	8' - 10'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-6A	1.5' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-6B	4' - 6'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-7A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-7B	4' - 6'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-8A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-8B	8' - 10'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-9A	0.5' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
GB-9B	9' - 11'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
H-1	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.09 ND
H-1	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-1	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.02 ND
H-1	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.0 ND
H-1	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-1	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	ND
H-11	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-11	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.00 ND
H-11	3 ' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.04 ND
H-11	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	17 HI
H-11	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	7.9 HI
H-11	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.13
H-3	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.29
H-3	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-3	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.06 ND
H-3	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-3	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.00 ND
H-3	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.00 ND
H-4	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.34
H-4	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-4	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.03 ND
H-4	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	ND
H-4	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.04 ND
H-4	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.00 ND
H-5	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	1.31
H-5	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	ND
H-5	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.3
H-5	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.26
H-5	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.04 ND
H-7	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.57
H-7	10' - 11'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	NA
H-7	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.15
H-7	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	1
H-7	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.2

Table 1
PCB Screening Results For Soil
Pack and Process (DE-1421)
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
H-7	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	13 HI
H-7	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	3.1
H-9	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.06 ND
H-9	11' - 12'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
H-9	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	5.2 HI
H-9	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	3.9
H-9	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.39
H-9	9' - 10'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.01 ND
HA-1	0' - 0.3'	Duffield Associates	Brownfield Investigation Report	Jun-09	PCBs detected
HA-2	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	Low PCBs detected
HA-3	0' - 0.2'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
HA-4	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-4	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-4	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-5	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-5	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-5	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-6	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-6	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-6	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-7	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-7	2' - 3'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
HA-7	3' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
H-N2	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.27
H-N2	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N2	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
H-N2	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N2	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N2	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
H-N3	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.07 ND
H-N3	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N3	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N3	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N3	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N3	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N4	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.56
H-N4	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N4	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N4	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N4	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N4	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
H-N5	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N5	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
H-N5	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.05 ND
H-N5	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N5	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
H-N5	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N6	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N6	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.63
H-N6	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N6	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N6	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N6	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.41
H-N7	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.07 ND
H-N7	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
H-N7	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
H-N7	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N7	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
H-N7	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-0	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	1.41
I-0	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-0	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND
I-0	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.22
I-0	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND

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Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA
I-0	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-10	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.26
I-10	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-10	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-10	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-10	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	< 1
I-10	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-12	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.1
I-12	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND
I-12	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-12	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	< 1
I-12	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-12	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-2	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.71
I-2	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
I-2	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.05 ND
I-2	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.04 ND
I-2	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-2	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
I-4	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.43
I-4	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
I-4	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.04 ND
I-4	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
I-4	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
I-4	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.04 ND
I-5	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-5	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-5	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-5	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-5	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-6	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.31
I-6	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-6	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-6	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.09 ND
I-6	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
I-6	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND
I-8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.75
I-8	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-8	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.21
I-8	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
I-8	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
I-8	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.09 ND
I-N2	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	6.8 Hi
I-N2	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	6.1 Hi
I-N2	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.4 Hi
I-N2	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.6 Hi
I-N2	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.6 Hi
I-N2	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	6.5 Hi
I-N4	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	6.0 Hi
I-N4	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.8 Hi
I-N4	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.3 Hi
I-N4	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.0 Hi
I-N4	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	4.8
I-N4	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	6.1 Hi
I-N6	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.66
I-N6	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.5
I-N6	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.88
I-N6	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	5.1 Hi
I-N6	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-N6	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	4.07
I-N8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-N8	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-N8	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-N8	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND

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Pack and Process (DE-1421)
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Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA
I-N8	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
I-N8	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-1	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	17 HI
J-1	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
J-1	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND
J-1	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
J-1	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-1	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.00 ND
J-3	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	2.7
J-3	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
J-3	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-3	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-3	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
J-3	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-7	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	2.1
J-7	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-7	2' - 3'	Duffield Associates	Hot Spot Evaluation	Jun-09	NA
J-7	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-7	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.02 ND
J-7	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-7	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.04 ND
J-N7	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.7
J-N7	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.6
J-N7	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.2
J-N7	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.4
J-N7	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.9
J-N7	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	3.1
J-N8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.05 ND
J-N8	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.03 ND
J-N8	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-N8	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-N8	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-N8	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.01 ND
J-N9	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.7
J-N9	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.6
J-N9	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.7
J-N9	5' - 6'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-N9	7' - 8'	Duffield Associates	Hot Spot Evaluation	Jun-09	ND
J-N9	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.49
SB-1	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	Trace PCBs
SB-1	2' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND
SB-10/MW-5	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-10/MW-5	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-10/MW-5	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-11	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-11	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-12	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-12	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-12	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-13	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-13	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-13	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-14	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-15	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-15	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-15	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-16	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-16	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-16	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-17	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-17	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-17	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-18	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-18	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND

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Sample Identification	Sample Depth (feet bgs)	Sampling Company	Report Name	Report Date	Total PCBs DNREC-SIRS Screening Level (January 2014) (mg/kg) NCA
SB-19	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-19	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-19	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-2	0' - 1.9'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND
SB-2	2' - 5.2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	Trace PCB
SB-20/MW-6	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-20/MW-6	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-20/MW-6	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-21	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-21	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-21	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-22	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-22	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-22	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-22	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-23	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-23	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-23	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-24	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-24	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-24	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-25	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-25	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-25	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-25	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-26	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-26	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-26	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-27	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-27	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-27	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-28	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-28	4' - 5.4'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-29	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	Low PCBs
SB-29	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-29	6' - 7'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-3	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	PCB? (Low)
SB-3	2' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND
SB-30	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	Very Low PCBs
SB-30	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-30	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-31	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-31	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-32	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-32	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-32	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-33	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-33	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-33	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-34	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-34	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-35	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-35	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-35	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-36	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-36	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-36	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-37	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	PCBs
SB-37	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	Low PCBs
SB-37	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-4	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	PCB? (Low)
SB-4	2' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	PCB? (Low)
SB-5	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	Trace PCB
SB-5	2' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND

Table 1
PCB Screening Results For Soil
Pack and Process (DE-1421)
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-6	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND
SB-6	2' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	ND
SB-7	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-7	12' - 14'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-7	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-7	8' - 10'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-8	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-8	12' - 14'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-8	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-8	8' - 10'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-9	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
SB-9	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	ND
TP-10A	0.4' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-10B	5' - 7'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-11A	0' - 2'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-11B	2' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-12A	0.3' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-12B	3.5' - 5.0'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-13A	0.2' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	PCBs detected
TP-13B	2.5' - 3.0'	Duffield Associates	Brownfield Investigation Report	Jun-09	PCBs detected
TP-14A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
TP-14B	4.5' - 5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-15A	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
TP-15B	1.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	PCBs detected
TP-16A	0' - 2'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
TP-16B	2.5' - 3'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
TP-17A	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	High PCBs detected
TP-1A	0.4' - 3.0'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-1B	4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-2A	0.4' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-2B	4' - 6.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-3A	0.3' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-3B	2.5' - 3.4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-4A	0.3' - 3'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-4B	3' - 4.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-5A	0.2' - 3.8'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-5B	3.8' - 4.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	Low PCBs detected
TP-6A	0.3' - 2.8'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-6B	2.8' - 4'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-7A	0.2' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-7B	2.5' - 4'	Duffield Associates	Brownfield Investigation Report	Jun-09	PCBs detected
TP-8A	0.3' - 2'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-8B	8' - 10'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-9A	0.4' - 3'	Duffield Associates	Brownfield Investigation Report	Jun-09	ND
TP-9B	7.5' - 9.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	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
Pack and Process (DE-1421)
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	
A5-7	6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0054	U	0.0069	U	0.012	U	0.0049	U	0.0049	U	0.0049	U	0.0073	U	NA		NA	
A5-8	5.5'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0055	U	0.007	U	0.012	U	0.19		0.0051	U	0.0051	U	0.0075	U	NA		NA	
A5-9	4.5'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0045	U	0.0057	U	0.01	U	0.19		0.0041	U	0.0041	U	0.0061	U	NA		NA	
A5-SW Comp	0' - 2'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	440	U	560	U	970	U	**2,500**		400	U	400	U	590	U	NA		NA	
A5-SW Comp	2' - 4'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	24	U	30	U	53	U	**130**		22	U	22	U	32	U	NA		NA	
A5-SW Comp	4' - 6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	440	U	560	U	970	U	**38**		400	U	400	U	590	U	NA		NA	
AA5 Bot-1	6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0053	U	0.0068	U	0.012	U	0.0077	J	0.0049	U	0.0049	U	0.0072	U	NA		NA	
AA5 Bot-2	6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0065	U	0.0083	U	0.015	U	0.037		0.006	U	0.006	U	0.0089	U	NA		NA	
AA5 Bot-3	6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0068	U	0.0087	U	0.015	U	**0.37**		0.0062	U	0.0062	U	0.0092	U	NA		NA	
AA5-SW Comp	0' - 2'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.024	U	0.031	U	0.053	U	0.022	U	**0.41**		0.022	U	0.033	U	NA		NA	
AA5-SW Comp	2' - 4'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	0.0047	U	0.006	U	0.01	U	0.0043	U	0.14		0.0043	U	0.0063	U	NA		NA	
AA5-SW Comp	4' - 6'	Ten Bears Environmental	Remediation Complete / Project Closeout Report	Jan-13	1	U	1.3	U	2.3	U	**10**		0.95	U	0.95	U	1.4	U	NA		NA	
GB-13A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
GB-15A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.09	U	0.09	U	0.09	U	0.09	U	0.18		0.09	U	0.09	U	0.09	U	0.09	U
GB-9A	0.5' - 3.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
H-1	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.079	U	0.079	U	0.079	U	0.079	U	**0.78**		0.079	U	0.079	U	0.079	U	0.079	U
H-3	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.085	U	0.085	U	0.085	U	0.085	U	**0.28**		0.085	U	0.085	U	0.085	U	0.085	U
H-4	1' - 2'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
H-5	3' - 4'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.081	U	0.081	U	0.081	U	**0.23**		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
H-7	10' - 11'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	1.7	U	1.7	U	1.7	U	**25**		1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
H-9	5' - 6'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	1.7	U	1.7	U	1.7	U	**26**		1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
H-9	7' - 8'	Duffield Associates, Inc.	BFI Appendix B Hot Spot Evaluation	Jun-09	0.84	U	0.84	U	0.84	U	**8.7**		0.84	U	0.84	U	0.84	U	0.84	U	0.84	U
HA-1	0' - 0.3'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	**3**		0.16	U	0.16	U
HA-2	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	**1.3**		0.082	U	0.082	U
HA-3	0' - 0.2'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	**12**		0.73	U	0.73	U
HA-4	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.016	U	0.016	U	NA		NA	
HA-4	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.017	U	0.017	U	NA		NA	
HA-4	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.017	U	0.017	U	NA		NA	
HA-5	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
HA-5	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
HA-5	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
HA-6	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	0.019	U	0.019	U	NA		NA	
HA-6	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
HA-6	2' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
HA-7	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.018	U	0.018	U	0.018	U	0.018	U	**2.3**		0.022	U	0.022	U	0.022	U	0.022	U
HA-7	2' - 3'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.017	U	0.017	U	0.017	U	0.017	U	**1.9**		0.021	U	0.021	U	0.021	U	0.021	U
HA-7	3' - 4'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.018	U	0.018	U	0.018	U	0.018	U	**1.3**		0.023	U	0.023	U	0.023	U	0.023	U
H-N2	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	**0.27**		0.082	U	0.082	U	0.082	U	0.082	U
H-N2	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
H-N3	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
H-N4	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
H-N4	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U
H-N4	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
H-N4	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
H-N5	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U
H-N6	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
H-N6	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
H-N7	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U
H-N7	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U
H-N7	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
I-0	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.84	U	0.84	U	0.84	U	0.84	U	**7**		0.84	U	0.84	U	0.84	U	0.84	U
I-0	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
I-10	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
I-12	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
I-2	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
I-4	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	**0.43**		0.084	U	0.084	U	0.084	U	0.084	U
I-5	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	**0.28**		0.084	U	0.084	U	0.084	U	0.084	U
I-6	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.089	U	0.089	U	0.089	U	0.089	U	0.19		0.089	U	0.089	U	0.089	U	0.089	U

Table 2
PCB Analytical Results For Soil
Pack and Process (DE-1421)
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	
I-8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.24		0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
I-N2	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
I-N4	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
I-N4	9' - 10'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
I-N6	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U
I-N8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	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
J-1	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.09	U	0.09	U	0.09	U	0.09	U	0.14		0.09	U	0.09	U	0.09	U	0.09	U
J-3	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.42	U	0.42	U	0.42	U	0.42	U	**5.2**		0.42	U	0.42	U	0.42	U	0.42	U
J-3	3' - 4'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
J-7	2' - 3'	Duffield Associates	Hot Spot Evaluation	Jun-09	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
J-N7	11' - 12'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U	0.084	U
J-N8	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	0.17		0.082	U	0.082	U	0.082	U	0.082	U
J-N9	1' - 2'	Duffield Associates	Hot Spot Evaluation	Jun-09	0.082	U	0.082	U	0.082	U	0.082	U	0.12		0.082	U	0.082	U	0.082	U	0.082	U
NTP-2D	3.5'	DNREC	Brownfield Preliminary Assessment II "Northside"	Sep-99	0.044	U	0.088	U	0.044	U	0.044	U	34	D C	**12**	**D P C**	**6.4**	**D J**	NA		NA	
NTP-2S	1'	DNREC	Brownfield Preliminary Assessment II "Northside"	Sep-99	0.04	U	0.08	U	0.04	U	0.04	U	37	D C	**14**	**D P C**	**7.4**	**D J C**	NA		NA	
SB-1	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.42	U	0.42	U	0.42	U	0.42	U	**3.6**		0.42	U	0.42	U	0.42	U	0.42	U
SB-1	2' - 2.5'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U
SB-1	4' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.095	U	0.095	U	0.095	U	0.095	U	**1**		0.095	U	0.095	U	0.095	U	0.095	U
SB-2	0' - 1.9'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.092	U	0.092	U	0.092	U	0.092	U	**0.24**		0.092	U	0.092	U	0.092	U	0.092	U
SB-2	2' - 2.6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U
SB-2	4' - 5.2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.089	U	0.089	U	0.089	U	0.089	U	**0.97**		0.089	U	0.089	U	0.089	U	0.089	U
SB-3	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.86	U	0.86	U	0.86	U	0.86	U	**17**		0.86	U	0.86	U	0.86	U	0.86	U
SB-3	2' - 2.6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.083	U	0.083	U	0.083	U	0.083	U	**0.95**		0.083	U	0.083	U	0.083	U	0.083	U
SB-3	4' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.089	U	0.089	U	0.089	U	0.089	U	**0.36**		0.089	U	0.089	U	0.089	U	0.089	U
SB-4	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.81	U	0.81	U	0.81	U	0.81	U	**9.3**		0.81	U	0.81	U	0.81	U	0.81	U
SB-4	2' - 4'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	4.4	U	4.4	U	4.4	U	4.4	U	**53**		4.4	U	4.4	U	4.4	U	4.4	U
SB-4	4' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.13	U	0.13	U	0.13	U	0.13	U	0.14		0.13	U	0.13	U	0.13	U	0.13	U
SB-5	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.09	U	0.09	U	0.09	U	0.09	U	**0.7**		0.09	U	0.09	U	0.09	U	0.09	U
SB-5	2' - 2.8'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
SB-5	4' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
SB-6	0' - 2'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.078	U	0.078	U	0.078	U	0.078	U	0.25	U	0.078	U	0.078	U	0.078	U	0.078	U
SB-6	2' - 2.9'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U	0.089	U
SB-6	4' - 6'	BrightFields	Supplemental Soil Investigation at Operable Unit #2	Apr-11	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U	0.088	U
SB-7	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.016	U	0.016	U	NA		NA	
SB-7	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.017	U	0.017	U	NA		NA	
SB-8	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.016	U	0.016	U	NA		NA	
SB-8	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.016	U	0.016	U	NA		NA	
SB-9	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	NA		NA	
SB-9	4' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.018	U	0.018	U	NA		NA	
SB-10/MW-5	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.016	U	0.016	U	0.016	U	0.016	U	0.016	U	0.02	U	0.02	U	NA		NA	
SB-11	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.017	U	0.017	U	NA		NA	
SB-11	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.017	U	0.017	U	0.017	U	0.017	U	0.023	J	0.021	U	0.021	U	NA		NA	
SB-12	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
SB-13	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.018	U	0.018	U	NA		NA	
SB-13	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
SB-14	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.017	U	0.044	J	NA		NA	
SB-16	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
SB-19	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	**1**		0.018	U	0.018	U	NA		NA	
SB-19	1' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.026	J	0.019	U	0.019	U	NA		NA	
SB-19	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.026	U	0.026	U	NA		NA	
SB-20/MW-6	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.043	J	0.019	U	0.019	U	NA		NA	
SB-20/MW-6	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.018	U	0.018	U	NA		NA	
SB-25	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.023	U	0.023	U	NA		NA	
SB-25	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.035	U	0.035	U	NA		NA	
SB-26	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.014	U	0.014	U	0.014	U	0.014	U	**0.7**		0.018	U	0.018	U	NA		NA	
SB-28	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	**1.1**		0.019	U	0.019	U	NA		NA	
SB-28	4' - 5.4'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.017	U	0.017	U	0.017	U	0.017	U	**0.58**		0.021	U	0.021	U	NA		NA	
SB-29	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.019	U	0.019	U	0.019	U	0.019	U	0.62	U	0.024	U	0.024	U	NA		NA	

Table 2
PCB Analytical Results For Soil
Pack and Process (DE-1421)
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	
SB-30	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.031	U	0.031	U	0.031	U	0.031	U	**2.3**		0.039	U	0.093	U	NA		NA	
SB-30	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.016	U	0.016	U	0.016	U	0.016	U	**0.52**		0.021	U	0.021	U	NA		NA	
SB-31	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.031	U	0.031	U	0.031	U	0.031	U	**3.1**		0.038	U	0.038	U	NA		NA	
SB-31	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.019	U	0.019	U	0.019	U	0.019	U	**0.61**		0.024	U	0.024	U	NA		NA	
SB-33	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.019	U	0.019	U	NA		NA	
SB-34	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.074	U	0.074	U	0.074	U	0.074	U	**7.8**		0.092	U	0.092	U	NA		NA	
SB-34	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.039	U	0.039	U	0.039	U	0.039	U	**3.9**		0.048	U	0.048	U	NA		NA	
SB-35	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	1.6	U	1.6	U	1.6	U	1.6	U	**47**		1.6	U	1.6	U	NA		NA	
SB-35	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.027	U	0.027	U	0.027	U	0.027	U	**0.32**		0.034	U	0.034	U	NA		NA	
SB-35	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.03	U	0.03	U	0.03	U	0.03	U	0.096	J	0.037	U	0.037	U	NA		NA	
SB-36	0' - 2'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.015	U	0.015	U	0.015	U	0.015	U	**0.68**		0.018	U	0.018	U	NA		NA	
SB-36	4' - 5'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.017	U	0.017	U	0.017	U	0.017	U	0.055	J	0.021	U	0.021	U	NA		NA	
SB-36	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.038	U	0.038	U	NA		NA	
SB-37	0' - 1'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.016	U	0.016	U	0.016	U	0.016	U	**1.8**		0.02	U	0.02	U	NA		NA	
SB-37	5' - 6'	BrightFields	Supplemental Brownfield Investigation Report	2014	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.042	U	0.042	U	NA		NA	
TP1A	1.5'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		0.16		ND		ND		ND		ND	
TP1B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		0.16		ND		ND		ND		ND	
TP2A	1'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		0.1		ND		ND		ND		ND	
TP2B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP-2B	4' - 6.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.1	U	0.1	U	0.1	U	0.1	U	**0.36**		0.1	U	0.1	U	0.1	U	0.1	U
TP3A	2'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**0.9**		ND		ND		ND		ND	
TP3B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP-3B	2.5' - 3.4'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
TP4A	1'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**1600**		ND		ND		ND		ND	
TP5A	1.5'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**0.96**		ND		ND		ND		ND	
TP5B	4.5'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP-5B	3.8' - 4.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.076	U	0.076	U	0.076	U	0.076	U	**0.33**		0.076	U	0.076	U	0.076	U	0.076	U
TP6A	1'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**1.4**		ND		ND		ND		ND	
TP-6A	0.3' - 2.8'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.095		0.078	U	0.078	U
TP6B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**27**		ND		ND		ND		ND	
TP7A	0' - 2'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP7B	4' - 6'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP-7B	2.5' - 4'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.075	U	0.075	U	0.075	U	0.075	U	**0.68**		0.075	U	0.12		0.075	U	0.075	U
TP8A	2'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP8B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**1**		**0.92**		ND		ND		ND	
TP9A	1.5'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP9B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP10A	2'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP10B	4'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP11A	1'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**4.4**		ND		ND		ND		ND	
TP11B	3.5'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		ND		ND		ND		ND		ND	
TP12A	1'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**0.75**		**0.57**		ND		ND		ND	
TP12B	3'	Duffield Associates	Environmental Sampling	Jul-08	ND		ND		ND		ND		**2**		ND		ND		ND		ND	
TP-13A	0.2' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.081	U	0.081	U	0.081	U	0.081	U	**1.2**		0.081	U	**0.24**		0.081	U	0.081	U
TP-13B	2.5' - 3.0'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.17	U	0.17	U	0.17	U	0.17	U	**2.4**		0.17	U	0.4	U	0.17	U	0.17	U
TP-14A	0.5' - 2.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.43	U	0.43	U	0.43	U	0.43	U	**8.6**		0.43	U	0.43	U	0.43	U	0.43	U
TP-15A	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.85	U	0.85	U	0.85	U	0.85	U	**17**		0.85	U	0.85	U	0.85	U	0.85	U
TP-15B	1.5'	Duffield Associates	Brownfield Investigation Report	Jun-09	1.1	U	1.1	U	1.1	U	1.1	U	**12**		1.1	U	1.1	U	1.1	U	1.1	U
TP-16A	0' - 2'	Duffield Associates	Brownfield Investigation Report	Jun-09	1.7	U	1.7	U	1.7	U	1.7	U	**24**		1.7	U	1.7	U	1.7	U	1.7	U
TP-16B	2.5' - 3'	Duffield Associates	Brownfield Investigation Report	Jun-09	1.7	U	1.7	U	1.7	U	1.7	U	**23**		1.7	U	1.7	U	1.7	U	1.7	U
TP-17A	0' - 1'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.18	U	0.18	U	0.18	U	0.18	U	**2.7**		0.18	U	0.18	U	0.18	U	0.18	U

Note: All results reported in mg/kg.

Qualifiers:
bgs - Below ground surface
U - Sample not detected above the laboratory method detection limit
J - Estimated value
ND - Not detected
NA - Not analyzed
Bold and shaded - Exceeds DNREC-SIRS January 2014 Screening Levels

Table 3
PCB Analytical Results For Groundwater
Pack and Process (DE-1421)
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		Aroclor-1262		Aroclor-1268		Total PCBs
					DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)		DNREC-SIRS Screening Level (January 2014) (ug/L)
					0.11		**0.004***		**0.004***		**0.034***		**0.034***		**0.031***		**0.034***		**NCA**		**NCA**		**NCA**
MW-3	1' - 11'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.56	U	0.56	U	0.56	U	0.56	U	**11**		0.56	U	0.56	U	0.56	U	0.56	U	21
MW-3	1' - 11'	Duffield Associates	Supplemental Groundwater Sampling	Jun-09	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.03
MW-3	1' - 11'	Duffield Associates	Supplemental Groundwater Sampling	Jun-09	NA		NA		NA		NA		NA		NA		NA		NA		NA		17
MW-4	2' - 12'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	ND
MW-4	2' - 12'	BrightFields	Supplemental Brownfield Investigation Report	2014	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.00023
MW-4 (SIRB)	1.5' - 8'	DNREC	Brownfield Preliminary Assessment II "Northside"	Sep-99	1	U	1	U	1	U	1	U	1	U	1	U	1	U	NA		NA		ND
MW-4 (SIRB)	1.5' - 8'	Duffield Associates	Brownfield Investigation Report	Jun-09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	ND
SB-10/MW-5	3.3' - 13.3'	BrightFields	Supplemental Brownfield Investigation Report	2014	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.00045
SB-20/MW-6	2' - 12'	BrightFields	Supplemental Brownfield Investigation Report	2014	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.00047

Note: All results reported in ug/L.

Qualifiers:
bgs - Below ground surface
* - Screening level likely below the routine method detection limit
NCA - No criteria available
NA - Not available from reports provided to Brightfields
U - Sample not detected above the laboratory method detection limit
ND - Not detected
Bold and shaded - Exceeds DNREC-SIRS January 2014 Screening Levels

Note: BrightFields 2014 Supplemental Brownfield Investigation Report samples were analyzed for PCB congeners

Site Photographs

The northern side of the warehouse building.

The eastern side of the property.

BrightFields, Inc.

Overland Flow Calculations

PCB Loading Calculations from the Revised Universal Soil Loss Equation (RUSLE)
Pack and Process (DE-1421)
Wilmington, DE

Surface PCB Concentration | 172.5 | mg/kg

Symbol	Factor	Value	Units
R	Rainfall/Runoff Erosivity Index	175	10^2 ft-tonf-in/ac-hr-yr
K	Soil Erodibility	0.2	0.01 ton-ac-hr/ ac-ft-tonf-in
	Erodible Area	0.71	Acres
LS	Topographic Factor	0.24	Dimensionless
C	Cover and Management Factor	0.003	Dimensionless
P	Support Practice Factor	1	Dimensionless
A	Average Annual Soil Loss	0.028	ton/ac-yr

PCB Loading via Overland Flow | 3.1 | **grams/year - PCBs**

BrightFields, Inc.

Groundwater Transport Calculations

PCB Loading Calculations - Groundwater Discharge to Surface Water
Pack and Process (DE-1421)
Wilmington, DE

TABLE A
Groundwater Discharge Calculations

	Hydraulic Conductivity (K) (ft/day)	Horizontal Gradient (i) (ft/ft)	Cross-sectional Area (A) (ft^2)	Groundwater Discharge*	
				Liters/day	Gallons/ day
Minimum	14	0.0083	213	699	185
Maximum	42.5	0.011	3,850	51,000	13,000

* - Groundwater Discharge (Q) = KiA

TABLE B
Groundwater PCB Concentrations

Detected Groundwater PCB Concentrations (µg/L)	
Maximum	Minimum
0.00047	0.00023

TABLE C
Estimated Mass Loadings of PCBs in Groundwater to the Western Boundary Water Body

Maximum Detected Groundwater Concentration (µg/L)	Estimated PCB Mass Loading (g/yr)	
	Minimum	Maximum
0.00047	0.0	0.009