PARSONS

ADDITIONAL SITE INVESTIGATION REPORT

CHEMOURS FAYETTEVILLE WORKS SITE
RCRA PERMIT NO. NCD047368642-R1

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January 31, 2018
Revised March 30, 2018

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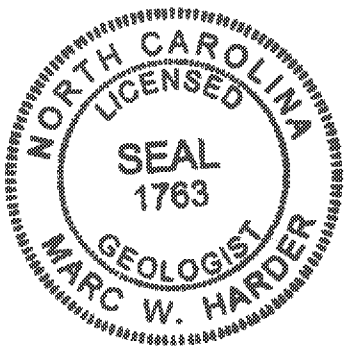
DOCUMENT: **Additional Investigation Report, Chemours Fayetteville Works Site, RCRA Permit No. NCD047368642-R2 (revised March 30, 2018)**

Seals, as applicable:



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ACRONYMS

Acronym	Definition / Description
ADQM	Analytical Data Quality Management
AOC	Area of concern
APFO	Ammonium Perfluorooctanoate
bgs	Below ground surface
Chemours	The Chemours Company FC, LLC
CMS	Corrective Measures Study
COC	Constituent of concern
DuPont	E. I. du Pont de Nemours and Company
DVM	Data Verification Module
FEP	Fluorinated ethylene propylene
ft/d	Foot/feet per day
gpm	Gallons per minute
HFPO-DA	Hexafluoropropylene oxide dimer acid
HH&E	Human health and the environment
MDL	Method detection limit
MSL	Mean sea level
MS/MSD	Matrix spike/ Matrix spike duplicate
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environmental and Natural Resources
NCDEQ	North Carolina Department of Environmental Quality
NCDHHS	North Carolina Department of Health & Human Services
NCGS	North Carolina Geological Survey
ng/kg	Nanogram(s) per kilogram
ng/L	Nanogram(s) per liter
NPDES	National Pollutant Discharge Elimination System
PFAS	Poly- and perfluoroalkyl substances
PMDF	Polymer Manufacturing Development Facility
PPA	Polymer Processing Aid (also polyphthalamide)
PVC	Polyvinyl chloride
PVF	Polyvinyl fluoride
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RL	Reporting Limit
RPD	Relative percent difference
SCM	Site conceptual model
Site	Fayetteville Works Facility

Acronym	Definition / Description
SOP	Standard operating procedure
SPLP	Synthetic Precipitation Leaching Procedure
SWMU	Solid waste management unit
USEPA	U. S. Environmental Protection Agency
WWTP	Wastewater treatment plant

EXECUTIVE SUMMARY

Parsons has prepared this Additional Site Investigation Report on behalf of The Chemours Company FC, LLC (Chemours) for the Fayetteville Works facility located near Duart Township in Bladen County, North Carolina (the Site).

On June 21, 2017, the North Carolina Department of Environmental Quality (NCDEQ) requested Chemours perform supplemental sampling of monitoring wells at the Site. Based on the analytical results of this sampling, NCDEQ issued Chemours a notice of violation (Notice) on September 6, 2017. The Notice required Chemours to meet the requirements of Title 15A of the North Carolina Administrative Code, Subchapter 02L, Section .0106 (15A NCAC 02L.0106), which specifies corrective action for groundwater. In response to subsequent discussions with NCDEQ, Chemours submitted a work plan for additional site assessment under 15A NCAC 02L.0106(g) on October 31, 2017. This investigation was conducted during November and December 2017, and supplements the Resource Conservation and Recovery Act Facility Investigation (RFI) that was previously conducted at the Site.

The additional information collected during this investigation will assist in making decisions in support of the overall Site corrective action goals and will support an eventual corrective measures study (CMS). The constituents of concern (COCs) investigated were the 16 poly- and perfluoroalkyl substances (PFAS) listed in Table 1 (hereafter referred to as List 1-PFASs) and the 10 PFASs listed in Table 2 (hereafter referred to as List 2-PFASs) (collectively, List 1-PFASs and List 2-PFAS are referred to as "Target PFAS"). Initial data on Target PFAS presence in soil, groundwater, and surface water were obtained through execution of investigation work plans performed between July and September 2017. Completion of the current site assessment was accomplished by collecting site-specific data to better define the nature and extent of Target PFAS distribution in environmental media (due to releases from industrial processes, regulated units, solid waste management units, or other sources). Hydrogeologic data were also collected that can be used to predict the fate and transport of the PFAS in the environment.

Investigations results indicate that Target PFAS releases to environmental media from primary sources (e.g., wastewater conveyances, industrial process activities) have resulted in secondary sources present in environmental media. These secondary sources are present in on-site soil and groundwater (Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater) and off-site Surficial Aquifer groundwater. The distribution of detected Target PFAS in soil would appear to suggest air deposition is the primary source (in areas away from ditches). Although leaching of Target PFASs could lead to some of the detected groundwater concentrations, the higher groundwater concentrations are likely the result of leakage from stormwater and wastewater conveyance ditches. The observed distribution in the aquifers appears to result from Target PFAS migration with natural groundwater flow. Detection of Target PFAS in the surface water of Willis Creek, Georgia Branch, and the Cape Fear River suggests probable migration of these groundwater secondary sources to these surface waters. However, sampling has suggested there are upstream sources in the Cape Fear River for some of the Target PFASs. A conceptual level water balance-based mass flux estimate indicates that HFPO-DA in groundwater discharging to the river would not alone result in river water HFPO-DA concentrations at or above 140 nanograms per liter (ng/L).

Lithologic logging of newly installed wells (including deeper Black Creek Aquifer wells), along with hydrogeologic testing of the saturated portion of the Perched Zone and the Surficial Aquifer, allowed for refinement of the Site Conceptual Model (SCM). This, in turn, will facilitate

more accurate prediction of Target PFAS fate and transport in the environment during development of corrective action alternatives, including the feasibility study to be provided to NCDEQ by February 28, 2018 and the remedial plan to be provided March 31, 2018. In addition, the SCM will be updated to include, as appropriate, data from the ongoing stormwater investigation, and the results of Chemours' ongoing evaluation of interim control measures.

The path forward for corrective action at the Site is next to perform a feasibility study addressing remedial alternatives for on-site Target PFAS secondary sources. Chemours is evaluating how these secondary sources may be contributing to exposure or pathways of concern and will propose remedial alternatives to address those sources of concern in the forthcoming Feasibility Report. Chemours has already undertaken (or committed to undertake) numerous actions to identify, evaluate, remove, treat, mitigate, or control various on-site primary Target PFAS sources (as documented in the January 15, 2018, letter to NCDEQ).

1.0 INTRODUCTION

Parsons has prepared this Additional Site Investigation Report on behalf of The Chemours Company FC, LLC (Chemours) for the Fayetteville Works facility located near Duart Township in Bladen County, North Carolina (the Site).

On June 21, 2017, the North Carolina Department of Environmental Quality (NCDEQ) requested Chemours perform supplemental sampling of monitoring wells at the Site. Based on the analytical results of this sampling, NCDEQ issued Chemours a notice of violation (Notice) on September 6, 2017. The Notice required Chemours to meet the requirements of Title 15A of the North Carolina Administrative Code, Subchapter 02L, Section .0106 (15A NCAC 02L.0106), which specifies corrective action for groundwater. In response to subsequent discussions with NCDEQ, Chemours submitted the "Additional Investigation Work Plan" (Parsons 2017c) for additional site assessment under 15A NCAC 02L.0106(g) on October 31, 2017. This investigation was conducted during November and December 2017 and supplements the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) that was previously conducted at the Site.

This report is organized into six sections, including this Introduction, which presents site background information and corrective action approach. Section 2.0 presents the groundwater and soil investigation results from the additional site investigation, while Section 3.0 presents the hydrogeologic investigation results. Section 4.0 presents an update to the Site Conceptual Model (SCM) and discusses contaminant sources and distribution in environmental media. Section 5.0 presents the conclusions and path forward. Section 6.0 lists the references cited in the text.

1.1 Site Background

The Site is located on NC Highway 87, 15 miles southeast of the City of Fayetteville, and south of the Bladen-Cumberland county line. The Site encompasses 2,177 acres of relatively flat undeveloped open land and woodland bounded on the east by the Cape Fear River, on the west by NC Highway 87, and on the north and south by farmland (Figure 1).

E.I. du Pont de Nemours and Company (DuPont) purchased the property in parcels from several families in 1970. The Site's first manufacturing area was constructed in the early 1970s. Currently, the Site manufactures plastic sheeting, fluorochemicals, and intermediates for plastics manufacturing. A former manufacturing area, which was sold in 1992, produced nylon strapping and elastomeric tape.

DuPont sold its Butacite® and SentryGlas® manufacturing units to Kuraray America Inc. in June 2014. In July 2015, DuPont separated its specialty chemicals business into a new publicly-traded company named The Chemours Company FC, LLC, as of July 1, 2015. With this separation, Chemours became the owner of the entire 2,177 acres of the Fayetteville Works along with the Fluoromonomers, Nafion® membranes, and PPA[1] manufacturing units. The polyvinyl fluoride (PVF) resin manufacturing unit remained with DuPont.

In addition to the manufacturing operations, Chemours operates two natural gas-fired boilers and a wastewater treatment plant (WWTP) for the treatment of process and sanitary wastewaters from Chemours, Kuraray, and DuPont. Hazardous wastes

[1] PPA – Polymer Processing Aid

generated from the Chemours' manufacturing processes and laboratories are currently managed at the permitted Hazardous Waste Container Storage Area, in four permitted hazardous waste tanks, and at the 90-day ignitable waste accumulation area prior to being shipped offsite for treatment, disposal, or recycling.

1.1.1 Plant Site Operations

Figure 1 depicts the location of the Chemours Fayetteville Works facility on an excerpt of the United States Geological Survey topographic map of the area. The site layout is depicted on Figure 2. The Site consists of five main manufacturing areas, one former manufacturing area, and two support areas as summarized in the table below:

Area	Description
Main Manufacturing Areas	
Chemours Fluoromonomers and Nafion® Membrane	Manufactures Nafion® fluoropolymer membrane for electronic cells and various fluorochemicals used for Nafion® membrane, Teflon® fluoropolymer, Viton® elastomers, and other fluorinated products.
Chemours Polymer Processing Aid (PPA)	Manufactures a fluorochemical that is used as a processing aid for off-site fluoropolymer manufacturing. This area formerly manufactured ammonium perfluorooctanoate (APFO). (Note: The last date of APFO production at the Site was April 28, 2013. Although APFO was manufactured in this area, it was never used in any of the other manufacturing facilities at the Site.)
Kuraray Butacite®	Manufactures Butacite® polyvinyl butyral sheeting and polyvinyl butyral resin for automotive and architectural safety glass.
Kuraray SentryGlas®	Manufactures SentryGlas® structural interlayer for automotive and architectural safety glass (previous location of now defunct Dymetrol® nylon strapping).
DuPont Company PVF	Manufactures PVF resin used to produce Tedlar® film.
Former Manufacturing Area	
Polymer Manufacturing Development Facility (PMDF)	Manufactured Teflon® fluorinated ethylene propylene (FEP) for electrical wiring insulation and other applications. (Note: this Teflon® unit did not use APFO in its process.) The PMDF unit was permanently shut down in June 2009; it no longer manufactures DuPont Teflon®.
Support Areas	
Power	Generates steam via natural gas and fuel oil-fired boilers for the facility's manufacturing areas as well as comfort heating for employees. Produces process water and demineralized water from raw river water.
Wastewater Treatment Plant	The WWTP treats process wastewater and sanitary wastewater prior to discharge to the Cape Fear River.

1.1.2 Regulatory History

The Fayetteville Works facility received its initial RCRA Permit (NCD047368642) to operate a hazardous waste container storage area and tanks in February 1983, while under DuPont ownership. DuPont submitted an amended Part A application in 1991 to

document upgrades to its fluorocarbon waste treatment and tank system. The RCRA Part B permit application submitted in August 1993 identified 71,750 gallons of container storage capacity at the container storage area. Stored waste included characteristic wastes (D001, D002, D003, D007, D009, and D029) and listed wastes (F002, F003, and F005).

In January 1998, the Site's RCRA Permit was reissued and was to remain in effect for 10 years. Part V of the permit required DuPont to investigate potential releases of hazardous substances into the environment. In June 2007, DuPont submitted an application for renewal of the Site's RCRA Permit. The North Carolina Department of Environment and Natural Resources (NCDENR; now NCDEQ) reissued the permit on September 28, 2012.

Since 1996, several stages of investigation have been conducted at the Site under NCDENR/NCDEQ oversight to meet the conditions of the permit. The Phase III (Final) RFI report was submitted in August 2014 (DuPont CRG). In addition, the Site voluntarily agreed to the NCDENR request to investigate potential APFO releases as part the ongoing RFI. The findings of the APFO investigation activities (conducted during the Phase II RFI) were included in Appendix A of the Phase II RFI Report (DuPont CRG 2006). The Corrective Measures Study (CMS) Work Plan was submitted on December 2, 2016 (Chemours CRG) and approved on February 8, 2017. The Site is currently in the CMS phase of the Corrective Action Program.

1.2 Corrective Action

Corrective action refers to all activities related to the investigation, characterization, and cleanup of a release of hazardous wastes or hazardous waste constituents from solid waste management units (SWMUs) and/or areas of concern (AOCs) at the Site. Chemours has established several overall goals for the corrective action activities at the Site.

- Ensure the protection of human health and the environment (HH&E) through the development and use of an SCM, based on a satisfactory understanding of site constituents, release pathways, and exposure potential;
- Cost-effectively manage/minimize long-term liabilities associated with potential contaminant releases using a risk-based prioritization process;
- Appropriately comply with all regulatory requirements; and
- Coordinate RCRA corrective action activities with other business activities at the Site to minimize disruption to plant operations, maximize benefits and synergies with other, overlapping environmental initiatives, and ensure field efforts are conducted in a safe and efficient manner.

1.3 Approach, Goals, and Objectives of Additional Site Investigation

The purpose of this investigation was to gather additional information to perform a site assessment under 15A NCAC 02L.0106(g). Results of the investigation will facilitate remedial decisions in support of the overall Site corrective action goals and an eventual CMS. To accomplish this, site-specific data were collected to determine the nature and extent of Target PFAS releases (e.g., from regulated units, SWMUs, or other source areas) to environmental media at the Site. The goal of this investigation was to collect additional data on Target PFAS distribution in soil, groundwater, and surface water and

hydrogeologic data that can be used to predict fate and transport of Target PFAS in the environment.

Based on a review of historical Site data and the current SCM, the following specific objectives were developed:

1. Determine distribution of Target PFASs (target lists) in Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater
2. Determine distribution of leachable and "total" Target PFASs in surface soil and the vertical distribution of Target PFASs above the perched water
3. Further characterize Site hydrogeologic conditions

The specific tasks that were completed to meet these objectives and investigation results are described in the following sections.

2.0 GROUNDWATER AND SOIL INVESTIGATION RESULTS

The specific objectives for groundwater and soil sampling during this investigation were to identify and delineate Target PFASs in site-wide groundwater and surficial soil and to determine the leachability of Target PFASs from soils to groundwater. Vertical profiling of Target PFASs in soil above the perched water also was performed to confirm whether leached Target PFASs contribute to the observed groundwater concentrations. No deviations from the field investigation methodologies presented in the work plan were noted during the recent investigation (the work plan is included as Appendix F, for reference). An inventory of investigation derived waste is included in Appendix E. Liquid waste (groundwater, rinse water) was transferred to temporary holding tanks prior to being properly disposed of off-site. Excess soil (i.e., drill cuttings) were drummed and are awaiting final disposal at a licensed landfill.

2.1 Data Verification and Validation

During this investigation, of groundwater and soil samples were analyzed for the 16 PFASs listed in Table 1 (hereafter referred to as List 1-PFASs) and the 10 PFASs listed in Table 2 (hereafter referred to as List 2-PFASs) (collectively, List 1-PFASs and List 2-PFAS are referred to as "Target PFAS"). List 1-PFASs were analyzed by a North Carolina-certified laboratory using an approved United States Environmental Protection Agency (USEPA) method. Chemours could not identify any commercial laboratories that could analyze for the List 2-PFASs; therefore, List 2-PFASs were analyzed at the Chemours Fayetteville Works on-site laboratory, following site-specific methodology.

List 1-PFAS analytical data produced during this investigation were verified/validated according to the process presented in the work plan (see Appendix F). The laboratory provided all data to the Chemours data validation contractor, AECOM's in-house Analytical Data Quality Management (ADQM) group, in a data package. Laboratory analytical reports are included in Appendix A. The data package contained raw data that was reviewed by ADQM for compliance with the laboratory standard operating procedures (SOPs) and usability. The laboratory also delivered the analytical data electronically for upload to the Chemours Locus EIM™ database.

All List 1-PFAS data were reviewed using the Data Verification Module (DVM). The DVM is an internal review process used to assist with the determination of data usability. The electronic data deliverables received from the laboratory were loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (the DVM) and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- USEPA hold time criteria
- Missing quality control (QC) samples
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs

- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs, if any.

The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
R	Unusable result. Analyte may or may not be present in the sample.
B	Not detected substantially above the level reported in the laboratory or field blanks.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The individual DVM narrative report for each lot entered into the EIM database summarized which samples were qualified (if any), the specific reasons for the qualification, and the potential bias in reported results. In addition, laboratory results greater than the method detection limit (MDL) but less than the reporting limit (RL) were qualified "J" and should be considered estimated values.

As described in Section 5.3 of the Additional Investigation Work Plan (included as Appendix F), the laboratory reported results for a replicate in each sample batch. Depending on whether specified precision criteria were met, the average of the field sample and the laboratory replicate sample were reported. This was the case for some of the PFAS results. The summary results section of the laboratory report lists the final QA/QC validated result, while raw data is included for individual field samples.

The DVM review process described above was performed on 100% of the data generated for the sampling events. The DVM review process was supplemented by a manual review of the instrument-related QC results for calibration standards, blanks, and recoveries to evaluate the overall review process to be consistent with Stage 2b of the USEPA Guidance for Labelling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005 2009).

List 2-PFAS compounds were analyzed at the Chemours Fayetteville Works on-site laboratory. The site-specific methodology followed by the laboratory is included in Appendix D along with the analytical reports.

2.2 Site-Wide Groundwater Monitoring

The main focus of this groundwater investigation was to further delineate Target PFAS concentrations in site-wide groundwater. Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater was gauged and sampled. An attempt was made to gauge groundwater levels from 84 wells and piezometers (following standard procedures, using a Solinst water level meter). Table 3 lists the gauged levels and indicates whether the well/piezometer was dry (or damaged). Water levels were gauged so that groundwater potentiometric surfaces could be created and flow directions determined. Figures 3, 5, and 6 depict potentiometric surfaces for the Perched Zone, Surficial Aquifer, and Black Creek Aquifer (respectively), developed using gauged groundwater levels. Figure 4 also depicts contours of the Perched Zone water thickness. As shown, Perched Zone water is thickest at the River Water Solids Settling Basins and flows radially away from the basins (as observed in the current SCM). Groundwater in both the Surficial and Black Creek Aquifers generally flows toward the

Cape Fear River. Deflections in the direction of flow toward Willis Creek are present in the vicinity of the creek.

During this site investigation, on-site groundwater from 28 Perched Zone wells, 22 Surficial Aquifer wells, and nine Black Creek Aquifer wells were sampled and analyzed for the 16 List 1-PFASs and the additional 10 List 2-PFASs. Hexafluoropropylene oxide dimer acid (HFPO-DA) is included in List 1-PFASs. List 1-PFASs are summarized in Table 4a for Perched Zone water samples, Table 5a for Surficial Aquifer groundwater samples, and Table 6a for Black Creek Aquifer groundwater samples. Wells or piezometers that were gauged dry, or did not sufficiently recharge during purging procedures, were not sampled.

Perched Zone water HFPO-DA concentrations ranged from 440 nanograms per liter (ng/L) to 640,000 ng/L (as shown on Figure 7). The highest Perched Zone water HFPO-DA concentrations were detected in the eastern portion of the Nafion® Unit, near the Nafion® Area ditch. The second highest Perched Zone water HFPO-DA concentration was detected in piezometer PZ-18, on the west side of the facility, near the Wood-lined ditch. Surficial Aquifer groundwater HFPO-DA concentrations ranged from <10 ng/L to 45,000 ng/L (as shown on Figure 8). There was no discernable distribution pattern to the concentrations; however, low concentrations were generally present along the Site access road, and higher concentrations were present beneath the manufacturing area. Black Creek Aquifer groundwater HFPO-DA concentrations ranged from <130 ng/L to 9,900 ng/L in the interior of the Site, and up to 45,000 ng/L in the LTW wells near the Cape Fear River (as shown on Figure 9). Although there was no discernable distribution pattern to the concentrations in the Black Creek Aquifer, the non-detect result was in the hydraulically upgradient portion of the Site.

Analytical detections of List 1-PFASs (other than HFPO-DA) in Perched Zone water are posted on Figure 10a, while detections in Surficial Aquifer groundwater are posted on Figure 11a, and detections in Black Creek Aquifer groundwater are posted on Figure 12a. Between four and 11 of the List 1-PFASs (not including HFPO-DA) were detected in Perched Zone water. The same group of nine PFASs that previously were detected in Cape Fear River surface water (PFBS, PFDA, PFHpA, PFHxS, PFHxA, PFNA, PFOS, PFOA, PFPeA) were also detected in many of the Perched Zone wells at similar concentrations. This is likely because most of the Perched Zone water originates as leakage from the Sediment Basins (which settle out river water solids) and infiltration of non-contact cooling water (i.e., river water) from the Nafion® Area ditch. Although there is no discernable general distribution of Target PFASs in the Perched Zone water, five of the List 1-PFASs are present at relatively higher concentrations in Nafion® Area wells (PFHpA, PFHxA, PFNA, PFOA, and PFPeA), suggesting a potential on-site source other than leakage from the Sediment Basins or of non-contact cooling water.

Fewer and lower concentrations of List 1-PFASs were detected in Surficial Aquifer groundwater, except for higher detected PFOA concentrations in PPA Area wells. List 1-PFASs were detected in groundwater from three of the four Black Creek Aquifer wells located in the interior of the Site at relatively lower concentrations than those detected in the Surficial Aquifer. The LTW wells near the river had similar concentrations of PFPeA which was detected at concentrations above 1000 ng/L.

Six State monitoring wells were sampled in addition to on-site wells well locations are shown on Figure 13). This set of six wells is known as the "DWR DuPont Station" series of wells (well installation specifications can be viewed on the internet at https://www.ncwater.org). These wells monitor the upper and lower portions of the

Surficial Aquifer, the upper and lower portions of the Black Creek Aquifer, the Upper Cape Fear Confining Unit, and the Upper Cape Fear Aquifer. Table 7a summarizes the List 1-PFAS results. As shown, HFPO-DA was only detected (at 970 ng/L) in well DMS-42V2 that monitors the upper portion of the Surficial Aquifer. Another four List 1-PFASs were detected in this well at concentrations not exceeding 22 ng/L. PFOA was the only List 1-PFAS detected. Wells monitoring the lower portion of the Black Creek Aquifer, the Upper Cape Fear Confining Unit, and the Upper Cape Fear Aquifer had detected concentrations up to 29 ng/L. No List 1-PFASs were detected in the wells monitoring the lower portion of the Surficial Aquifer or the upper portion of the Black Creek Aquifer.

Tables 4b through 7b summarize analytical results for List 2-PFASs. Analytical detections of List 2-PFASs in Perched Zone water are posted on Figure 10b, while detections in Surficial Aquifer groundwater are posted on Figure 11b, and detections in Black Creek Aquifer groundwater are posted on Figure 12b. As indicated, List 2-PFASs ranged in concentration from non-detect to over 8,000,000 ng/L (i.e., 8 parts per million). The highest List 2-PFAS concentrations were generally associated with the highest List 1-PFAS concentrations. The List 2-PFAS PFMOAA was detected at the highest concentrations. In the State wells, only PFMOAA and PFO2HxA were detected in well DMS 42V2 that monitors the upper portion of the Surficial Aquifer. No other List 2-PFASs were detected in any of the State wells. As with the List 1-PFASs, there was no discernable distribution pattern to the List 2-PFASs.

2.3 Site-wide Soil Sampling

The main focus of the soil sampling was to further delineate Target PFASs in soil and determine their leachability. This objective was accomplished by collecting soil samples at 32 locations over the interval 0.0 to 0.5 feet below ground surface (bgs) and running the synthetic precipitation leaching procedure (SPLP) preparation method on the samples prior to analysis for Target PFASs. The sampling locations (shown on Figures 13a and 13b) were unbiased (e.g., with regard to manufacturing unit, prevailing northeast wind direction, ground cover foliage) and covered an area that included the Main Manufacturing Area and the surrounding forested property.

Table 8a summarizes the analytical results for List 1-PFASs in soil leachate, including HFPO-DA. List 1-PFAS detections are posted on Figure 14a. As shown, HFPO-DA was detected in all but one 0.0 to 0.5 bgs sample at leachable concentrations ranging from 11 ng/L to 1700 ng/L. There was no discernable distribution to the leachable HFPO-DA concentrations, although concentrations above 100 ng/L were mainly detected in the eastern portion of the Site. Some of the remaining List 1-PFASs also were detected in 0.0 to 0.5 bgs samples, but at lower concentrations (most at less than 10 ng/L, and none exceeding 100 ng/L).

Table 8b summarizes the analytical results for List 2-PFASs in soil leachate. List 2-PFAS detections are posted on Figure 14b. Table 8b indicates that 4 of the 10 List 2-PFASs were not detected in any leachate sample, while another was only detected in two samples. Two of these PFASs also were not detected in any groundwater sample (PFECA_A and PFECA_G) indicating they were likely not present in the source release. The other two List 2-PFASs not detected in soil leachate that were detected in groundwater (PFECA_F and PFESA_BP2) may not have been present in air deposition source release. As shown on Figure 14b, PFO2HxA was detected in all but two samples, at concentrations ranging up to 3013.6 ng/L. There was no discernable distribution to the leachable List 2_PFAS concentrations.

In addition to the 0.0 to 0.5 bgs samples, soil was collected at two deeper depths (4.5 to 5.0 bgs and 9.5 to 10.0 bgs) at three locations to determine vertical profiles for Target-PFASs in the soil overlying perched water (these leachable Target-PFAS results are included in Table 8a and Table 8b). HFPO-DA results range from non-detect (<10 ng/L) to 130 ng/L and were detected at all depth intervals. The vertical profiles were collected near Perched Zone water wells where groundwater samples were collected. The highest leachable HFPO-DA soil concentration currently detected in each profile did not correlate well with the detected groundwater HFPO-DA concentration, suggesting that the perched water concentrations may result from an HFPO-DA source other than leaching of air deposited HFPO-DA (e.g., leakage from on-site stormwater and wastewater conveyance ditches). For instance, the highest leachable HFPO-DA concentration in soil boring SB-01 equaled 26 ng/L, while the groundwater concentration in nearby piezometer PZ-16 equaled 63,000 ng/L. Likewise, at soil boring SB-09, the highest leachable HFPO-DA concentration equaled 130 ng/L, while the groundwater concentration in nearby well SMW-02 equaled 15,000 ng/L. At soil boring SB-32, the highest leachable HFPO-DA concentration equaled 30 ng/L, while the groundwater concentration in nearby piezometer PZ-20 equaled 780 ng/L. Few Target-PFASs were detected in the soil leachate at the deeper depths, although List 2-PFASs were detected at higher concentrations than List 1-PFASs.

Analysis of “total” soil concentration was performed on a sub-set of the soil samples to determine how “total” concentrations compare against “leachable” concentrations. Only List 1-PFASs were analyzed because there does not appear to be a method for conducting “total” soil analysis for the List 2-PFAS compounds. Table 9 summarizes the analytical results for “total” List 1-PFASs, including HFPO-DA, and Figure 14c posts the detected List 1-PFASs. Comparing “total” to “leachable” List 1-PFAS detections indicates that not all List 1-PFASs detected in the “total” analyses were detected in the “leachable” samples. Likewise, not all detected “leachable” List 1-PFASs were detected in the “total” analyses. Furthermore, there was no consistency in the discrepancy in detected List 1-PFASs. Comparing “total” to “leachable” concentrations of HFPO-DA in the 0.0 to 0.5 bgs samples indicates ratios between 16 and 53 (i.e., the “total” nanogram per kilogram [ng/kg] concentration was 16 to 53 times the “leachable” ng/L concentration). The SPLP method should result in a dilution ratio of 20; therefore, ratios greater than 20 indicate that not all of the compound is leachable. Although the visual lithology of the soil noted during sampling of the upper six inches was generally consistent, there may have been small-scale differences that lead to the variation in List 1-PFAS leachability.

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3.0 HYDROGEOLOGIC INVESTIGATION RESULTS

The main focus of this part of the investigation was to refine the SCM by collecting additional hydrogeologic data (e.g., lithology, and hydrogeologic unit delineation). To meet this objective, the lithology beneath the Site was further refined through advancement of soil borings and determining hydraulic conductivities of the saturated units through in-situ testing. No deviations from the field investigation methodologies presented in the work plan were noted during this investigation (the work plan is included as Appendix F, for reference).

Off-site access could not be obtained in time to install piezometers near Willis and Georgia Branch Creeks; therefore, off-site groundwater interaction with these surface waters could not be confirmed. However, based on ground surface topography in the vicinity of these two creeks, Surficial Aquifer groundwater should flow toward the creeks from both sides.

3.1 Hydrogeologic Unit Delineation

Most hydrogeologic investigations to date have focused on the Perched Zone groundwater, the associated clay lens, and the uppermost portion of the Surficial Aquifer. Regional hydrogeology in the vicinity of the Site consists of the following:

Hydrogeologic Unit Elevation (feet MSL)	Hydrogeologic Unit Name/ Description
+150 to +100	Unsaturated silty-sand/medium-grained sand (with clay stringers; Note: the clay lens and Perched Zone water beneath the Manufacturing Area is in this interval)
+100 to +84	Surficial Aquifer (silty-sand/medium-grained sand with clay stringers)
+84 to +65	Black Creek Confining Unit (clay)
+65 to -53	Black Creek Aquifer (sand)
-53 to -173	Upper Cape Fear Confining Unit (clay)
-173 to -237	Upper Cape Fear Aquifer (sand)
-237	Basement Rock

MSL = mean sea level

Lithology beneath the Site was further refined by installing eight monitoring wells and continuously logging for lithology during the recent investigation. Four wells were installed in the Surficial Aquifer (MW-18D through MW-21D), and four were installed in the deeper Black Creek Aquifer (BCA-01 through BCA-04). Boring Logs (with well completion details) are included in Appendix B. In addition to the eight new monitoring wells, damaged well MW-15D was replaced, and a larger diameter well MW-22D was installed in the Surficial Aquifer for use during the aquifer pump test described below. All eight new monitoring wells (and the replacement well) were completed with 10 feet of 0.01-inch factory-slotted, 2-inch-diameter, polyvinyl chloride (PVC) screen connected to flush joint PVC casing. Pump test well MW-22D was completed with 20 feet of 0.03-inch, wire-wrapped, 6-inch-diameter PVC and stainless-steel screen connected to flush-joint PVC casing. All newly installed wells were accurately surveyed for horizontal location and ground surface and top-of-casing elevations.

Two of the Black Creek Aquifer borings (BCA -03 and BCA-04) were advanced through the entire sand thickness of the aquifer and into the underlying clay of the Upper Cape Fear Confining Unit so that the entire saturated thickness of the Black Creek Aquifer could be determined. Locations of the four new Surficial Aquifer wells are shown on Figure 5, while the new Black Creek Aquifer wells are shown on Figure 6.

The new lithologic data were used to refine the hydrogeologic cross sections for the Site. Figure 15 shows the locations for two generalized cross-sections through the Site (Figure 16 and Figure 17) that depict the complex physical aspects of the Site (e.g., topography, lithology, hydrogeology, and potential interactions with surface water features). Updates to the cross sections from the previous version include refinement to the presence and depth intervals of the Black Creek Confining Unit, the Black Creek Aquifer, and the Upper Cape Fear Confining Unit. Interpretation of the hydrogeology suggests that water from the Perched Zone and groundwater from both the Surficial and the Black Creek Aquifers discharge or contribute flow to the Cape Fear River. As shown in Figures 5 and 6, the hydraulic gradients in the Surficial Aquifer and Black Creek Aquifer are low, except for a predicted increase in the Black Creek Aquifer hydraulic gradient in the immediate vicinity of the bluff adjacent to the Cape Fear River.

3.2 Hydrogeologic Testing

Two types of hydrogeologic tests were performed on saturated groundwater zones during this investigation: slug test and pump test. Slug tests were performed on wells FTA-01, NAF-01, and NAF-02 (see Figure 3 for locations) that monitor the shallow perched water zone. Slug tests were performed because the sustainable well yield was low (less than 2 gallons per minute [gpm]), and there was a limited volume of perched water. Slug tests are limited to estimating the hydraulic conductivity of the saturated zone material in the immediate vicinity of the tested well (i.e., the radius of influence is very small), and were performed to verify that the hydraulic conductivity fell within the range typical for the observed sandy material grain size. A pump test was performed on the Surficial Aquifer using newly installed well MW-22D as the pumped well and nearby well MW-16D as an observation well (see Figure 5 for locations).

The slug tests were performed by measuring the static water level (head) in the well (with a downhole pressure transducer), then introducing a near instantaneous change in water level by either removing or adding a PVC-pipe “slug,” then measuring the change in water level over time until it returned to near the original static level. In this manner, one slug test was performed on well FTA-01 (falling head), two on well NAF-01 (rising head and falling head), and two on well NAF-02 (rising head and falling head). Slug test data were analyzed using Aquifer Test 2015 software (Waterloo Hydrogeologic 2015). Results indicate that the hydraulic conductivity of the Perched Zone sand ranges from 1.61 to 10.2 feet per day (ft/d), which is in the general range for medium-grained sand (Domenico 1990). Slug test analysis reports are included in Appendix C.

A pump test on the Surficial Aquifer was performed on newly installed well MW-22D to determine the hydraulic conductivity of the unconfined aquifer. A constant-rate test was performed by pumping MW-22D at a constant rate (gpm) for a period of time and measuring the rate of water level change in both the pumped well and nearby observation well MW-16D (both well locations are shown on Figure 5). Based on a step-test performed on MW-22D the day before the pump test, a discharge rate of 33.5 gpm was chosen as the optimal rate that would produce the maximum drawdown in MW-22D without desaturating the screened interval of the well. During the pump test, the discharge rate varied from 32.0 to 33.6 gpm, with an average rate of 33.35 gpm. It took

approximately 90 minutes for the drawdown to stabilize at 0.75 feet in observational well MW-16D, which is located 47.5 feet away from pumping well MW-22D. The pump test analysis report is included in Appendix C. The data were analyzed using Aquifer Test 2015 software (Waterloo Hydrogeologic). Results indicate that the hydraulic conductivity of the Surficial Aquifer sand equaled 72.3 ft/d, which is in the range for medium-grained sand (Domenico 1990). The return of water levels to the static level in MW-22D was recorded after the pump turned off. Analysis of these “recovery test” data indicated a lower hydraulic conductivity equal to 3.77 ft/d. This lower value is likely due to the amount of open screen area limiting the recharge capacity. The analysis report for this test are also included in Appendix C.

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4.0 UPDATED SITE CONCEPTUAL MODEL

Chemours uses the SCM to develop a representation of the chemical and physical characteristics of a site to focus investigation efforts and remedial decision making. The SCM also assists in the identification of areas for additional collection of potentially relevant data that can be addressed during future investigations.

The SCM was based on an analysis of potential exposure pathways, constituents of concern (COCs), and environmental fate and transport mechanisms. An accurate understanding of the geology and hydrogeology at the Site is also essential in developing the SCM.

The current SCM, presented below, was developed based on a review of historical data and the results of the activities and investigations conducted at the Site.

4.1 Physical Setting

4.1.1 Regional Physical Setting

Regional Climate

Relatively mild winters, hot summers and abundant rainfall characterize the climate in Bladen County. Temperatures range from an average monthly high of 91°F in July to an average monthly low of 33°F in January. Average rainfall ranges from a monthly high of 5.59 inches in July to a monthly low of 2.97 inches in November.

Regional Topography

The region surrounding the Site is generally level to gently sloping. However, surface topography steepens when approaching the Cape Fear River and its tributaries.

Regional Geology/Hydrogeology

The facility is in the northwestern portion of Bladen County. Bladen County is situated within the Coastal Plain Physiographic Province, which consists of a seaward thickening wedge of sedimentary deposits ranging in age from Cretaceous to Recent. Paleozoic; metamorphic and igneous rocks underlie these deposits. In the northern portion of Bladen County these “basement” rocks are approximately 400 feet bgs. A detailed description of the Coastal Plain sediments is presented in the RCRA Confirmatory Sampling Report (DuPont CRG 1999). Based on the Geologic Map of North Carolina (North Carolina Geological Survey [NCGS] 1985), the Site is underlain by the Black Creek Formation. The Black Creek Formation is characterized by lignitic clay, gray to black, and contains thin beds and laminae of fine-grained micaceous sand as well as thick lenses of cross-bedded sand. The upper portion of the formation may also contain glauconitic, fossiliferous clayey sand lenses. The Black Creek Formation and surficial deposits are the principal potable water aquifers in the region.

4.1.2 Local Physical Setting

Figure 15 shows the locations for two updated generalized cross-sections through the Site (Figure 16 and Figure 17) that depict the complex physical aspects of the Site (e.g., topography, lithology and hydrogeology). The following subsections discuss the local geology and hydrogeology in more detail.

Site Topography and Drainage

The facility topography is relatively flat within the developed portion of the Site; surface topography then decreases towards the Cape Fear River to the east and Willis Creek to the north of the facility. Topographic relief from the main manufacturing area down to the top of the riverbank is approximately 100 feet and approximately 40 feet from the main manufacturing area to Willis Creek. Surface topography generally remains flat to the west; however, there is a gentle increase of about five feet to a topographic divide near Highway 87. In the far southwestern portion of the property, surface topography again decreases by 15 to 25 feet where the Georgia Branch Creek channel runs along the property line. The Georgia Branch Creek confluence with the Cape Fear River is approximately 1.3 miles south of the dam (0.75 miles southeast of the property).

The Cape Fear River is located along the eastern property boundary of the plant, approximately 1,850 feet from the eastern portion of the manufacturing area. Willis Creek, a tributary of the Cape Fear River is in the northern portion of the Site, approximately 3,000 feet from the manufacturing area. Process wastewater is either sent off-site for proper disposal or treated on-site and piped to the National Pollutant Discharge Elimination System (NPDES) permitted outfall at the Cape Fear River (permit number NC003573).[2] Portions of the Georgia Branch, another tributary to the Cape Fear River, flow along part of the southern boundary of the Site. The plant facilities are located on a plateau at an approximate elevation of 145 feet above MSL. The plant is situated approximately 70 feet above the 100- and 500-year Cape Fear River floodplains and at least 1,000 feet from the 100-year floodplain's nearest approach.

Site Geology

The soil on the Site falls within the Norfolk-Goldsboro-Raines general classification (Leab 1990). These soils are located on old, high stream terraces in the northern part of Bladen County and are generally poorly drained soils that have a sandy or loamy surface layer and loamy subsoil.

Based on the lithology logged during on-site investigations, the Site is underlain by a fine- to medium-grained sand unit with thin discontinuous interbedded silt/clay lenses. The sand extends to a depth of approximately 65 feet bgs (elevation of +80 feet MSL). The saturated portion of this unit has been identified as the Surficial Aquifer. Beneath this unit is a 7- to 15-foot-thick, laterally-continuous dense clay that has been identified as the Black Creek Confining Unit. The elevation of this unit (approximately +65 to +77 feet MSL) indicates that it, too, should outcrop along the bluff face adjacent to the Cape Fear River, and potentially along the embankment near Willis Creek. Beneath this confining unit is the Black Creek Aquifer, which is approximately 8 to 20 feet thick and is encountered at depth between 80 and 100 feet bgs (elevation of approximately +45 to +65 feet MSL). Beneath this aquifer is a massive dense clay (with minor sand stringers) that has been identified as the Upper Cape Fear Confining Unit. This unit was not fully penetrated; however, it extended to at least 200 feet bgs (elevation of -55 feet MSL; see boring log for well BCA-03 in Appendix B)).

Within the manufacturing area, the uppermost sand unit is locally bisected by an aerially extensive stiff clay/clayey silt lens (clay lens). This clay lens is limited in lateral extent to the east, north and south by local topography and pinches out (terminates) to the west of the manufacturing area.

[2] As of November 29, 2017 and per NCDEQ's order, process wastewater from the Nafion area of the facility is collected and sent offsite for disposal.

The depth to the top of the clay lens is approximately 15 to 18 feet bgs. The clay lens becomes thinner moving west across the manufacturing area (ranging in thickness from approximately one foot to approximately 19 feet). A visual inspection for the clay lens was conducted along the drainage channel beside the bluff leading to the Cape Fear River. The clay lens was observed in the drainage channel bottom and was approximately 10 to 12 feet thick in the channel banks. The area of the channel where the clay lens was observed also coincided with an area of the channel where seepage faces were observed. Based on the elevation of the clay lens, it should outcrop on the bluff adjacent to the Cape Fear River.

Site Hydrogeology

A shallow unconfined aquifer (Surficial Aquifer) is encountered at approximately 50 feet bgs. Groundwater elevations range from approximately 100 to 107 feet above MSL in the western areas of the Site to approximately 93 feet MSL in the eastern areas of the Site, indicating that groundwater flow is generally toward the Cape Fear River (see Figure 5; gauged water levels are presented in Table 3).

The Cape Fear River stage was recently measured to be 29.18 feet MSL, which is lower than the base elevation of the Surficial Aquifer, indicating that the Cape Fear River is a discharge boundary for the Surficial Aquifer. Based on groundwater elevations near Willis Creek, portions of the creek are “gaining” (groundwater discharges to the creek) and portions are “losing” (surface water infiltrates to the underlying groundwater). Georgia Branch Creek also appears to be a gaining stream near where State Road 1303 crosses Highway 87.

The Black Creek Aquifer is under confined conditions at the Site and is separated from the overlying Surficial Aquifer by a clay confining unit. The Black Creek Aquifer is the uppermost identified regional “state-wide” hydrogeologic unit. The measured groundwater potentiometric surface for the aquifer is presented in Figure 6, which shows flow is toward the Cape Fear River. The Cape Fear River stage is also lower than the base of the Black Creek Aquifer, indicating that the Cape Fear River is also a discharge boundary for the Black Creek Aquifer.

A series of incised erosional channels were observed in the Cape Fear River floodplain located east of the manufacturing area. These channels can contain a steady flow of water where they intersect groundwater.

An aerially limited perched water zone exists on top of the clay lens that underlies most of the manufacturing area. This Perched Zone appears mainly to result from seepage of surface water through the bottom of the North/South Sediment Basins that are used to settle out solids from Cape Fear River water (which is used on-site as non-contact cooling water) and infiltration of non-contact cooling water from the Nafion® Area ditch. The Perched Zone may also be recharged to a lesser extent by direct infiltration of rainfall and leakage from other on-site stormwater and non-process water conveyance ditches. Perched Zone water flows in a radial pattern away from a potentiometric high in the vicinity of the basins and the Nafion® Area ditch (see Figure 3). Where perched water is present, it is encountered from approximately six feet bgs at the basins to a depth of approximately 20 feet bgs along the edges of the Perched Zone west of the basins. Figure 4 shows the thickness of the perched water.

The lateral extent of the Perched Zone appears to be controlled by the topography and lateral limits of the clay lens. Perched water flows away from the potentiometric high along the top of the clay lens until either reaching the perimeter of the lens (where it

would flow off the edge), reaching a seepage face (such as the one observed along the bluff adjacent to the river), or until there is insufficient hydraulic head. Flora at the Site (especially the heavily forested areas) consume the perched water through transpiration processes.

4.2 PFAS Sources and Distribution in Environmental Media

Prior to completion of this recent investigation, Chemours submitted and executed work plans for:

- On-site groundwater sampling of 14 select wells, the Site Outfall, and the Site River Water Intake (with results presented in Supplemental Groundwater Sampling Technical Memorandum, dated November 3, 2017 [Parsons 2017d])
- On-site shallow soil sampling and surface water sampling of Willis Creek (with results presented in Additional Supplemental Soil and Surface Water Sampling Technical Memorandum, dated November 3, 2017 [Parsons 2017e])
- Surface water sampling of the Cape Fear River, Willis Creek, Georgia Branch creek, and the Site's current wastewater outfall (with results presented in Cape Fear River Surface Water Sampling Technical Memorandum, dated November 3, 2017 [Parsons 2017f])

Results of the above investigations, along with the recent investigation, indicate that Target PFAS releases to environmental media from primary sources (e.g., wastewater conveyances, industrial process activities) have resulted in secondary sources present in environmental media. The current understanding of the Target PFAS distribution in environmental media (i.e., nature and extent) is discussed below.

4.2.1 PFAS Distribution in Soil

Chemours initially investigated soil under the Additional Supplemental Soil and Surface Water Sampling Plan (Parsons 2017a). The initial sampling effort was conducted to collect Site surface soil from several locations to determine if air deposition was a viable release pathway for on-site groundwater concentrations of HFPO-DA. Eleven surface soil samples were collected from 0 to 2 feet bgs around the main manufacturing area of the Site, and two samples were collected from presumed background locations west of the main manufacturing area. These were analyzed for HFPO-DA.

Results of the initial investigation indicated that HFPO-DA soil concentrations in the manufacturing area ranged from non-detect (<1300 ng/kg) to 18,000 ng/kg, with no discernable distribution pattern. The HFPO-DA soil concentration at the Borrow Pit, north of the manufacturing area, equaled 1900 ng/kg, while the soil concentration near the Cape Fear riverbank ranged from 4400 ng/kg to 24,000 ng/kg (with no discernable distribution pattern). HFPO-DA was not detected in soil collected from the background locations.

The recent investigation was more comprehensive and determined the distribution and leachability of Target PFASs present in surficial soil (from 0.0 to 0.5 feet bgs), as well as vertically profiling leachable Target PFASs throughout the soil column. A sub-set was also analyzed for "total" List 1-PFASs. Results indicated that the same PFASs were not always detected in the same soil sample analyzed by the two different methods. There was no discernable distribution to the leachable Target PFAS concentrations, although the highest concentrations were mainly detected in the eastern portion of the Site, which generally coincides with the prevailing wind direction. This would appear to suggest that

Target PFAS detected in soil results from air deposition and subsequent leaching (in areas away from ditches). The highest leachable Target PFAS soil concentrations currently detected in each vertical soil profile did not correlate well with the detected groundwater Target PFAS concentrations, suggesting that the perched water concentrations may result from sources other than leaching of air deposited Target PFAS (e.g., migration of surface water leakage from stormwater or wastewater conveyance ditches).

4.2.2 PFAS Distribution in On-Site Groundwater

During the initial groundwater monitoring event, HFPO-DA was detected in all but one groundwater sample (SMW-10), ranging in concentration from <10 ng/L to 50,000 ng/L. HFPO-DA also was detected in the river water intake at 11 ng/L and the Site's outfall at 110 ng/L. HFPO-DA groundwater concentrations in the Surficial Aquifer were lower by one to two orders of magnitude near Willis Creek and Georgia Branch than in the central portion of the Manufacturing Area. Concentrations detected in the LTW wells near the river are likely due to a mixture of Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater discharging to the river bank sediments. There was variability in the number of List 1-PFASs detected; however, nine List 1-PFASs were detected at similar concentrations in the river water intake and the Site's outfall. These are the same nine List 1-PFASs detected in many of the Perched Zone water samples (at similar concentrations).

The recent investigation was more comprehensive and delineated Target PFASs in Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater. Highest Target PFAS concentrations were detected in the Perched Zone water beneath the Nafion® Area; however, Target PFASs were detected in all but one Black Creek Aquifer well. The distribution suggests that air deposition with subsequent leaching is a potential source, as well as recharge from conveyance channels and ditches (including those that receive stormwater runoff). The same nine List 1-PFASs detected in river water were again detected in many groundwater samples (particularly Perched Zone water samples) at similar concentrations as are present in the river water. This is likely because most of the Perched Zone water originates as leakage from the Sediment Basins (which settle out river water solids) and infiltration of non-contact cooling water (i.e., river water) from the Nafion® Area ditch.

4.2.3 PFAS Distribution in Surface Water

Chemours initially investigated surface water under the Cape Fear River Surface Water Sampling Plan (Parsons 2017b) and the Additional Supplemental Soil and Surface Water Sampling Plan (Parsons 2017a). The purpose of the initial sampling efforts was to determine whether PFASs were present in either the Cape Fear River or the two tributaries adjacent to the Site (Willis Creek and Georgia Branch).

Multiple river water samples were collected adjacent to the Site, 5 and 10 miles upstream of the Site, and at locations downstream of the Site. HFPO-DA was not detected in upstream river water samples; however, a set of nine List 1-PFASs were detected in all upstream river water samples. HFPO-DA was detected in river water adjacent to the manufacturing area (at 12 ng/L to 160 ng/L) and in all downstream river water samples (ranging in concentration from 24 ng/L to 54 ng/L). The same nine PFASs that were detected in upstream river water samples were detected in all river water samples collected adjacent to and downstream of the Site.

HFPO-DA also was detected in Willis Creek (at 230 ng/L to 450 ng/L) and Georgia Branch (at 690 ng/L and 540 ng/L). Five to seven other List 1-PFASs were detected in Willis Creek and Georgia Branch at relatively low concentrations. These detections are likely the result of Surficial Aquifer groundwater discharging to the creeks.

The Surficial Aquifer and Black Creek Aquifer provide more potential groundwater discharge (although at lower Target PFAS concentrations) to the Cape Fear River than the perched water, which has a limited volume. The current SCM suggests that Perched Zone water with elevated Target PFAS concentrations (mainly HFPO-DA) is a source for on-site Surficial Aquifer and Black Creek Aquifer detected Target PFAS. A conceptual level water balance-based mass flux estimate indicates that HFPO-DA in groundwater discharging to the river would not alone result in river water HFPO-DA concentrations at or above 140 ng/L. The actual discharge of groundwater to the river will be limited by the lower hydraulic conductivity of the riverbank sediments, which would act to impede flow. The volume of flow to the river varies annually, but has averaged about 3870 cubic feet per second from 2010 through 2016 [3]. PFAS mass in groundwater discharging to the river would mix with this large volume of flow, significantly decreasing the concentration from that detected in the groundwater. Chemours is currently working on incorporating these additional data into the SCM.

[3] On-line at:
https://nwis.waterdata.usgs.gov/nc/nwis/uv/?site_no=02105500&agency_cd=USGS&

5.0 CONCLUSIONS AND PATH FORWARD

The purpose of the recent investigation was to gather additional information to complete a site assessment under 15A NCAC 02L.0106(g), to assist in making remedial decisions in support of the overall Site corrective action goals, and to support an eventual CMS. Initial data on PFAS presence in soil, groundwater, and surface water were obtained through execution of investigation work plans between July and September 2017. Completion of the current site assessment was accomplished by collecting site-specific data to better define the nature and extent of Target PFAS distribution in environmental media (due to releases from industrial processes, regulated units, SWMUs, or other sources). Hydrogeologic data were also gathered that can be used to predict fate and transport of the PFAS in the environment.

Results of the investigations indicate that Target PFAS releases to environmental media from primary sources (e.g., wastewater conveyances, industrial process activities) have resulted in secondary sources present in environmental media. These secondary sources are present in on-site soil and groundwater (Perched Zone water, Surficial Aquifer groundwater, and Black Creek Aquifer groundwater) and off-site Surficial Aquifer groundwater. The distribution of detected Target PFAS in soil would appear to suggest air deposition is the primary source (in areas away from ditches). Although leaching of Target PFASs could lead to some of the detected groundwater concentrations, the higher groundwater concentrations are likely the result of leakage from stormwater and wastewater conveyance ditches. The observed distribution in the aquifers appears to result from Target PFAS migration with natural groundwater flow. Detection of PFAS in the surface water of Willis Creek, Georgia Branch, and the Cape Fear River, suggests probable migration of these groundwater secondary sources to these surface waters. However, sampling has suggested there are upstream sources in the Cape Fear River for some of the Target PFASs. A conceptual level water balance-based mass flux estimate indicates that HFPO-DA in groundwater discharging to the river would not alone result in river water HFPO-DA concentrations at or above 140 ng/L.

Lithologic logging of newly installed wells (including deeper Black Creek Aquifer wells), along with hydrogeologic testing of the saturated portion of the Perched Zone and the Surficial Aquifer, allowed for refinement of the SCM. This, in turn, will facilitate more accurate prediction of Target PFAS fate and transport in the environment during development of corrective action alternatives, including the feasibility study to be provided to NCDEQ by February 28, 2018, and the remedial plan to be provided by March 31, 2018. In addition, the SCM will be updated to include, as appropriate, data from the ongoing stormwater investigation, and the results of Chemours' ongoing evaluation of interim control measures.

The path forward for corrective action at the Site is next to perform a feasibility study for addressing remedial alternatives for on-site Target PFAS secondary sources. Chemours is evaluating how these secondary sources may be contributing to exposure or pathways of concern and will propose remedial alternatives to address those sources of concern in the forthcoming Feasibility Report. Chemours has already undertaken (or committed to undertake) numerous actions to identify, evaluate, remove, treat, mitigate, or control various on-site primary PFAS sources (as documented in the January 15, 2018, letter to NCDEQ).

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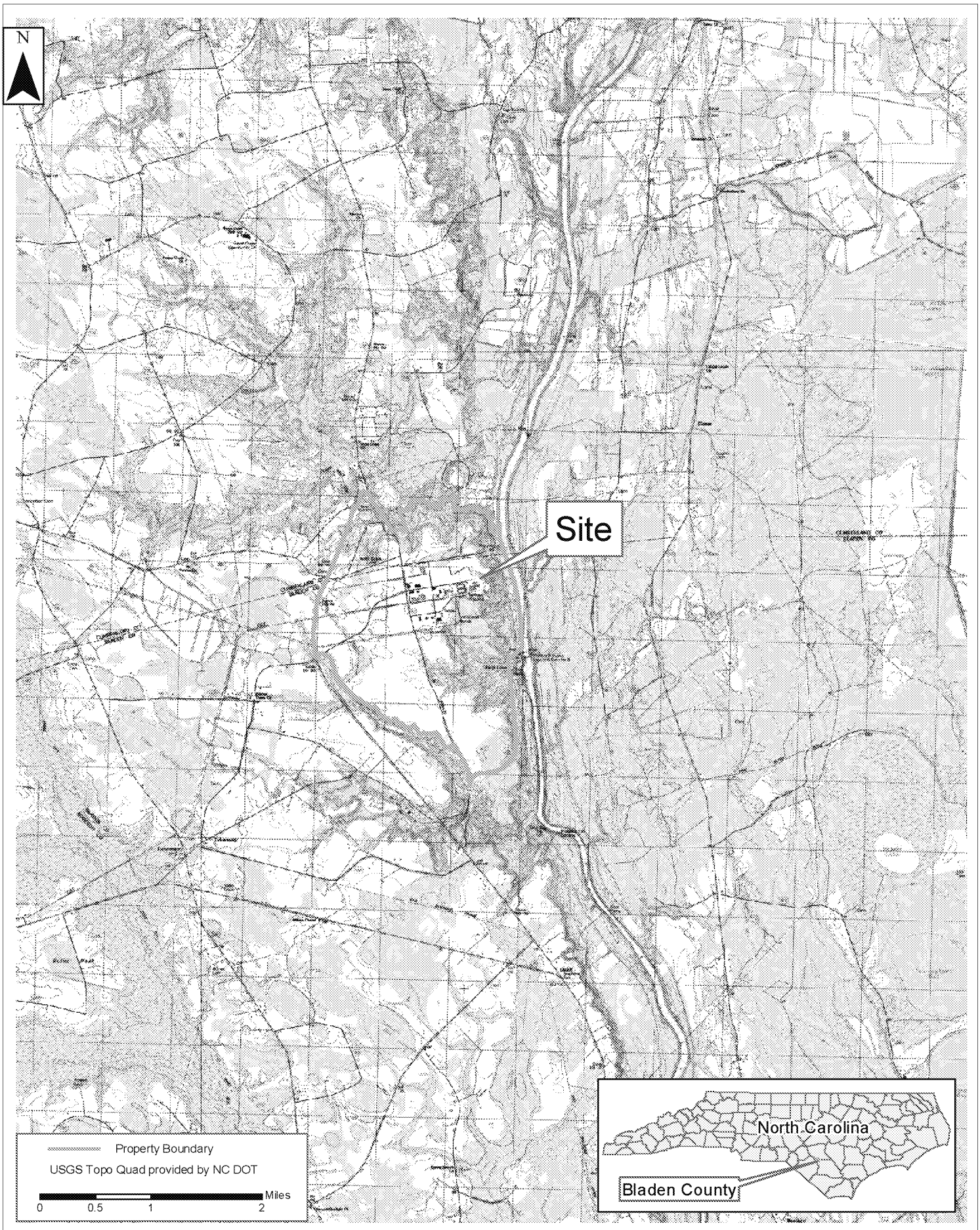
FIGURES



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Site Location Map
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	1/29/2018	449338.01050
Revision: 1	Figure Number: 1	
Name: Fay_Fig_1_Site_Loc		

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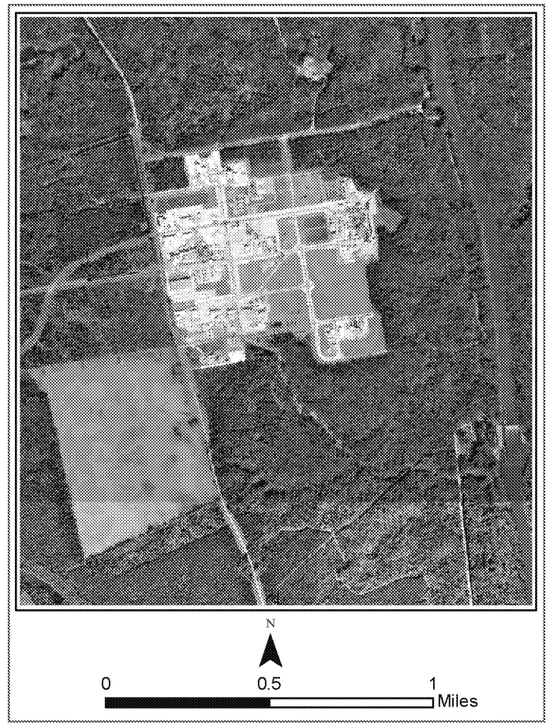

Pavement/Curb
Plant Border
Drainage Channel
River
Site Structure
SWMU

N
0 750 1,500 Feet

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Site Layout Map
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Drawn: C. Oneal	Date: 1/29/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 2	
Name: Fay_Site_Layout		

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Perched Water Zone Potentiometric Map
Additional Site Investigation
Chemours Fayetteville Works
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Drawn: C. Oneal	Date: 3/27/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 3	
Name: Perched_Pot_map_2017		

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Perched Water Thickness Map
Additional Site Investigation
Chemours Fayetteville Works
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Drawn:	Date:	File Project Number:
C. Oneal	3/21/2018	449338.01050
Revision: 1	Figure Number: 4	

Name: Perched_thick_2017

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Surficial Aquifer Potentiometric Map
Additional Site Investigation
Chemours Fayetteville Works
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Drawn:	Date:	File Project Number:
C. Oneal	3/28/2018	449338.01050
Revision: 1	Figure Number: 5	

Name: Surficial_2017

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Black Creek Aquifer Potentiometric Map
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal	Date: 3/20/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 6	
Name: BlackCreekAquifer		

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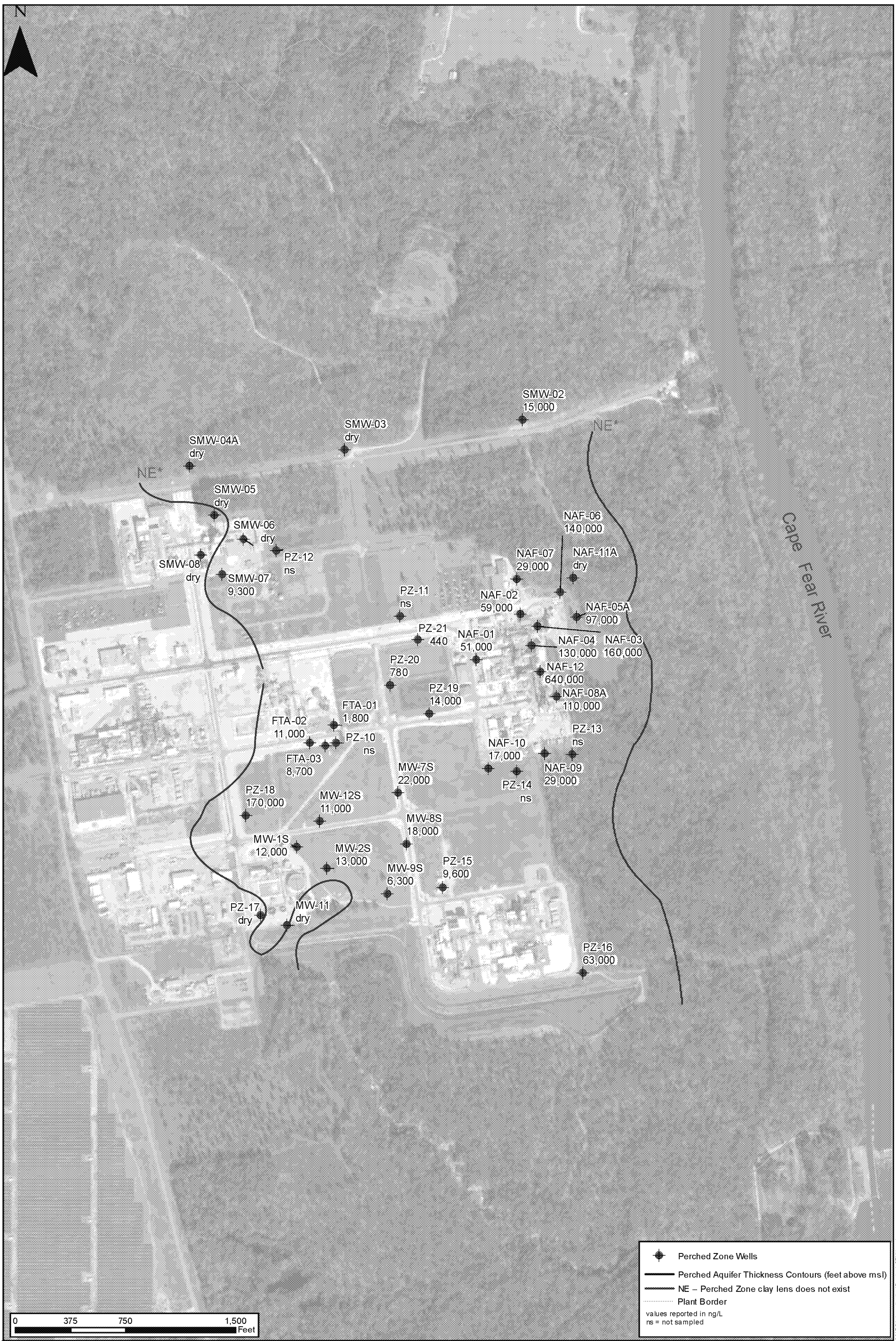

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Perched Water Zone HFPO-DA Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/27/2018	449338.01050
Revision: 1	Figure Number: 7	
Name: Perched_GENX		

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Surficial Aquifer HFPO-DA Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/27/2018	449338.01050
Revision: 1	Figure Number: 8	

Name: Surficial_GENX

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Black Creek Aquifer HFPO-DA Concentrations
Additional Site Investigation
Chemours Fayetteville Works
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Drawn: C. Oneal	Date: 3/27/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 9	
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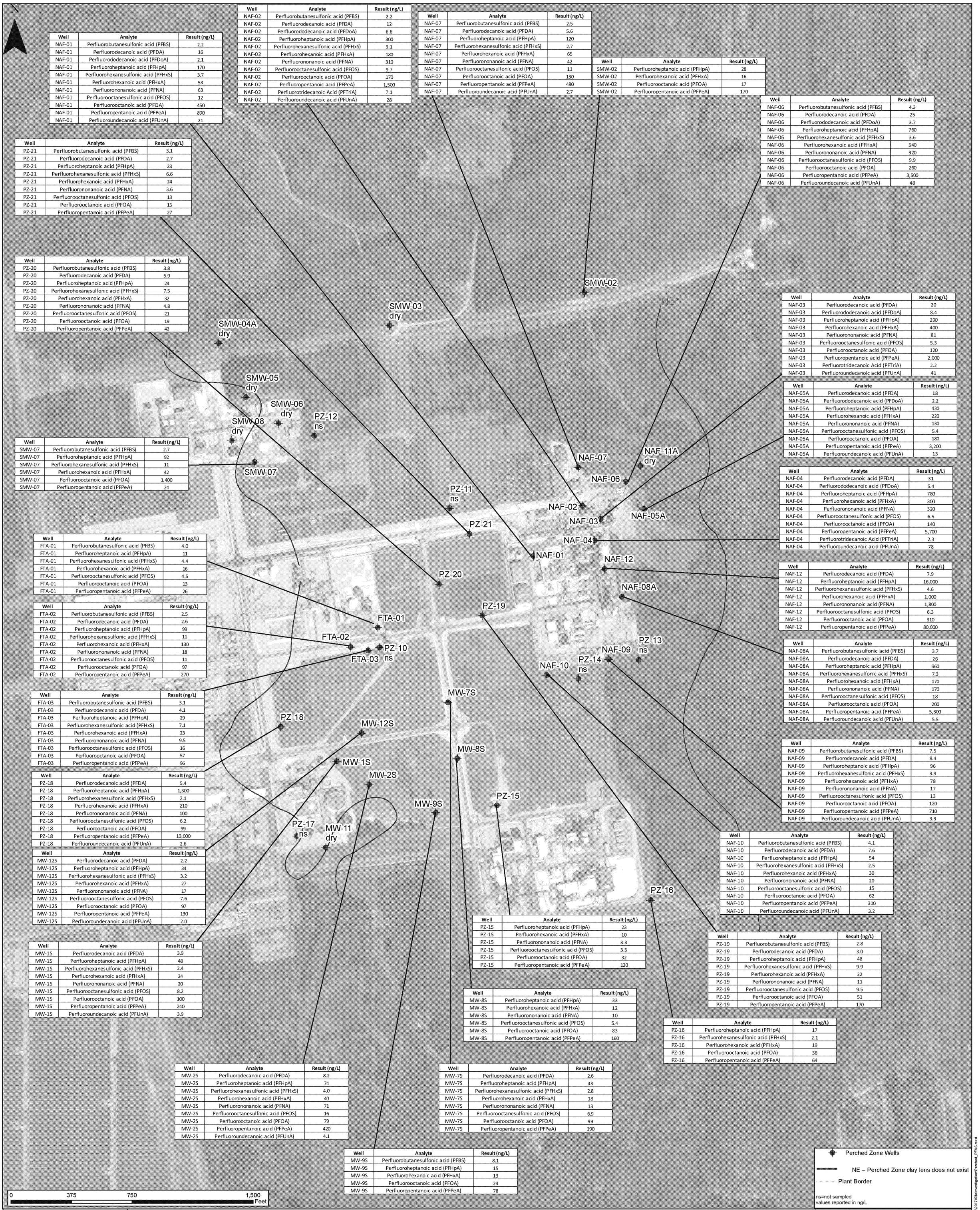

Well	Analyte	Result (ng/L)
NAF-01	Perfluorobutanesulfonic acid (PFBS)	2.2
NAF-01	Perfluorodecanoic acid (PFDA)	16
NAF-01	Perfluorododecanoic acid (PFDoA)	2.1
NAF-01	Perfluoroheptanoic acid (PFHpA)	170
NAF-01	Perfluorohexanesulfonic acid (PFHxS)	3.7
NAF-01	Perfluorohexanoic acid (PFHxA)	53
NAF-01	Perfluorononanoic acid (PFNA)	63
NAF-01	Perfluorooctanesulfonic acid (PFOS)	12
NAF-01	Perfluorooctanoic acid (PFOA)	450
NAF-01	Perfluoropentanoic acid (PFPeA)	890
NAF-01	Perfluoroundecanoic acid (PFUnA)	21

Well	Analyte	Result (ng/L)
NAF-02	Perfluorobutanesulfonic acid (PFBS)	2.2
NAF-02	Perfluorodecanoic acid (PFDA)	12
NAF-02	Perfluorododecanoic acid (PFDoA)	6.6
NAF-02	Perfluoroheptanoic acid (PFHpA)	300
NAF-02	Perfluorohexanesulfonic acid (PFHxS)	3.1
NAF-02	Perfluorohexanoic acid (PFHxA)	180
NAF-02	Perfluorononanoic acid (PFNA)	310
NAF-02	Perfluorooctanesulfonic acid (PFOS)	9.7
NAF-02	Perfluorooctanoic acid (PFOA)	170
NAF-02	Perfluoropentanoic acid (PFPeA)	1,500
NAF-02	Perfluorotridecanoic Acid (PFTriA)	7.1
NAF-02	Perfluoroundecanoic acid (PFUnA)	28

Well	Analyte	Result (ng/L)
NAF-07	Perfluorobutanesulfonic acid (PFBS)	2.5
NAF-07	Perfluorodecanoic acid (PFDA)	5.6
NAF-07	Perfluoroheptanoic acid (PFHpA)	120
NAF-07	Perfluorohexanesulfonic acid (PFHxS)	2.7
NAF-07	Perfluorohexanoic acid (PFHxA)	65
NAF-07	Perfluorononanoic acid (PFNA)	42
NAF-07	Perfluorooctanesulfonic acid (PFOS)	11
NAF-07	Perfluorooctanoic acid (PFOA)	130
NAF-07	Perfluoropentanoic acid (PFPeA)	480
NAF-07	Perfluoroundecanoic acid (PFUnA)	2.7

Well	Analyte	Result (ng/L)
SMW-02	Perfluoroheptanoic acid (PFHpA)	28
SMW-02	Perfluorohexanoic acid (PFHxA)	16
SMW-02	Perfluorooctanoic acid (PFOA)	17
SMW-02	Perfluoropentanoic acid (PFPeA)	170

Well	Analyte	Result (ng/L)
NAF-06	Perfluorobutanesulfonic acid (PFBS)	4.3
NAF-06	Perfluorodecanoic acid (PFDA)	25
NAF-06	Perfluorododecanoic acid (PFDoA)	3.7
NAF-06	Perfluoroheptanoic acid (PFHpA)	760
NAF-06	Perfluorohexanesulfonic acid (PFHxS)	3.6
NAF-06	Perfluorohexanoic acid (PFHxA)	540
NAF-06	Perfluorononanoic acid (PFNA)	320
NAF-06	Perfluorooctanesulfonic acid (PFOS)	9.9
NAF-06	Perfluorooctanoic acid (PFOA)	260
NAF-06	Perfluoropentanoic acid (PFPeA)	3,500
NAF-06	Perfluoroundecanoic acid (PFUnA)	48

Well	Analyte	Result (ng/L)
PZ-21	Perfluorobutanesulfonic acid (PFBS)	3.1
PZ-21	Perfluorodecanoic acid (PFDA)	2.7
PZ-21	Perfluoroheptanoic acid (PFHpA)	23
PZ-21	Perfluorohexanesulfonic acid (PFHxS)	6.6
PZ-21	Perfluorohexanoic acid (PFHxA)	24
PZ-21	Perfluorononanoic acid (PFNA)	3.6
PZ-21	Perfluorooctanesulfonic acid (PFOS)	13
PZ-21	Perfluorooctanoic acid (PFOA)	15
PZ-21	Perfluoropentanoic acid (PFPeA)	27

Well	Analyte	Result (ng/L)
PZ-20	Perfluorobutanesulfonic acid (PFBS)	3.8
PZ-20	Perfluorodecanoic acid (PFDA)	5.9
PZ-20	Perfluoroheptanoic acid (PFHpA)	24
PZ-20	Perfluorohexanesulfonic acid (PFHxS)	7.5
PZ-20	Perfluorohexanoic acid (PFHxA)	32
PZ-20	Perfluorononanoic acid (PFNA)	4.8
PZ-20	Perfluorooctanesulfonic acid (PFOS)	21
PZ-20	Perfluorooctanoic acid (PFOA)	19
PZ-20	Perfluoropentanoic acid (PFPeA)	42

Well	Analyte	Result (ng/L)
NAF-03	Perfluorodecanoic acid (PFDA)	20
NAF-03	Perfluorododecanoic acid (PFDoA)	8.4
NAF-03	Perfluoroheptanoic acid (PFHpA)	290
NAF-03	Perfluorohexanoic acid (PFHxA)	400
NAF-03	Perfluorononanoic acid (PFNA)	81
NAF-03	Perfluorooctanesulfonic acid (PFOS)	5.3
NAF-03	Perfluorooctanoic acid (PFOA)	120
NAF-03	Perfluoropentanoic acid (PFPeA)	2,000
NAF-03	Perfluorotridecanoic Acid (PFTriA)	2.2
NAF-03	Perfluoroundecanoic acid (PFUnA)	41

Well	Analyte	Result (ng/L)
NAF-05A	Perfluorodecanoic acid (PFDA)	18
NAF-05A	Perfluorododecanoic acid (PFDoA)	2.2
NAF-05A	Perfluoroheptanoic acid (PFHpA)	430
NAF-05A	Perfluorohexanoic acid (PFHxA)	220
NAF-05A	Perfluorononanoic acid (PFNA)	130
NAF-05A	Perfluorooctanesulfonic acid (PFOS)	5.4
NAF-05A	Perfluorooctanoic acid (PFOA)	180
NAF-05A	Perfluoropentanoic acid (PFPeA)	3,200
NAF-05A	Perfluoroundecanoic acid (PFUnA)	13

Well	Analyte	Result (ng/L)
SMW-07	Perfluorobutanesulfonic acid (PFBS)	2.7
SMW-07	Perfluoroheptanoic acid (PFHpA)	92
SMW-07	Perfluorohexanesulfonic acid (PFHxS)	11
SMW-07	Perfluorohexanoic acid (PFHxA)	42
SMW-07	Perfluorooctanoic acid (PFOA)	1,400
SMW-07	Perfluoropentanoic acid (PFPeA)	24

Well	Analyte	Result (ng/L)
NAF-04	Perfluorodecanoic acid (PFDA)	31
NAF-04	Perfluorododecanoic acid (PFDoA)	5.4
NAF-04	Perfluoroheptanoic acid (PFHpA)	780
NAF-04	Perfluorohexanoic acid (PFHxA)	300
NAF-04	Perfluorononanoic acid (PFNA)	320
NAF-04	Perfluorooctanesulfonic acid (PFOS)	6.5
NAF-04	Perfluorooctanoic acid (PFOA)	140
NAF-04	Perfluoropentanoic acid (PFPeA)	5,700
NAF-04	Perfluorotridecanoic Acid (PFTriA)	2.3
NAF-04	Perfluoroundecanoic acid (PFUnA)	78

Well	Analyte	Result (ng/L)
FTA-01	Perfluorobutanesulfonic acid (PFBS)	4.0
FTA-01	Perfluoroheptanoic acid (PFHpA)	11
FTA-01	Perfluorohexanesulfonic acid (PFHxS)	4.4
FTA-01	Perfluorohexanoic acid (PFHxA)	16
FTA-01	Perfluorooctanesulfonic acid (PFOS)	4.5
FTA-01	Perfluorooctanoic acid (PFOA)	13
FTA-01	Perfluoropentanoic acid (PFPeA)	26

Well	Analyte	Result (ng/L)
NAF-12	Perfluorodecanoic acid (PFDA)	7.9
NAF-12	Perfluoroheptanoic acid (PFHpA)	16,000
NAF-12	Perfluorohexanesulfonic acid (PFHxS)	4.6
NAF-12	Perfluorohexanoic acid (PFHxA)	1,000
NAF-12	Perfluorononanoic acid (PFNA)	1,800
NAF-12	Perfluorooctanesulfonic acid (PFOS)	6.3
NAF-12	Perfluorooctanoic acid (PFOA)	310
NAF-12	Perfluoropentanoic acid (PFPeA)	80,000

Well	Analyte	Result (ng/L)
FTA-02	Perfluorobutanesulfonic acid (PFBS)	2.5
FTA-02	Perfluorodecanoic acid (PFDA)	2.6
FTA-02	Perfluoroheptanoic acid (PFHpA)	99
FTA-02	Perfluorohexanesulfonic acid (PFHxS)	11
FTA-02	Perfluorohexanoic acid (PFHxA)	130
FTA-02	Perfluorononanoic acid (PFNA)	18
FTA-02	Perfluorooctanesulfonic acid (PFOS)	11
FTA-02	Perfluorooctanoic acid (PFOA)	97
FTA-02	Perfluoropentanoic acid (PFPeA)	270

Well	Analyte	Result (ng/L)
NAF-08A	Perfluorobutanesulfonic acid (PFBS)	3.7
NAF-08A	Perfluorodecanoic acid (PFDA)	26
NAF-08A	Perfluoroheptanoic acid (PFHpA)	960
NAF-08A	Perfluorohexanesulfonic acid (PFHxS)	7.3
NAF-08A	Perfluorohexanoic acid (PFHxA)	170
NAF-08A	Perfluorononanoic acid (PFNA)	170
NAF-08A	Perfluorooctanesulfonic acid (PFOS)	18
NAF-08A	Perfluorooctanoic acid (PFOA)	200
NAF-08A	Perfluoropentanoic acid (PFPeA)	5,300
NAF-08A	Perfluoroundecanoic acid (PFUnA)	5.5

Well	Analyte	Result (ng/L)
FTA-03	Perfluorobutanesulfonic acid (PFBS)	3.1
FTA-03	Perfluorodecanoic acid (PFDA)	4.1
FTA-03	Perfluoroheptanoic acid (PFHpA)	29
FTA-03	Perfluorohexanesulfonic acid (PFHxS)	7.1
FTA-03	Perfluorohexanoic acid (PFHxA)	23
FTA-03	Perfluorononanoic acid (PFNA)	9.5
FTA-03	Perfluorooctanesulfonic acid (PFOS)	16
FTA-03	Perfluorooctanoic acid (PFOA)	57
FTA-03	Perfluoropentanoic acid (PFPeA)	96

Well	Analyte	Result (ng/L)
NAF-09	Perfluorobutanesulfonic acid (PFBS)	7.5
NAF-09	Perfluorodecanoic acid (PFDA)	8.4
NAF-09	Perfluoroheptanoic acid (PFHpA)	96
NAF-09	Perfluorohexanesulfonic acid (PFHxS)	3.9
NAF-09	Perfluorohexanoic acid (PFHxA)	78
NAF-09	Perfluorononanoic acid (PFNA)	17
NAF-09	Perfluorooctanesulfonic acid (PFOS)	13
NAF-09	Perfluorooctanoic acid (PFOA)	120
NAF-09	Perfluoropentanoic acid (PFPeA)	710
NAF-09	Perfluoroundecanoic acid (PFUnA)	3.3

Well	Analyte	Result (ng/L)
PZ-18	Perfluorodecanoic acid (PFDA)	5.4
PZ-18	Perfluoroheptanoic acid (PFHpA)	1,300
PZ-18	Perfluorohexanesulfonic acid (PFHxS)	2.1
PZ-18	Perfluorohexanoic acid (PFHxA)	210
PZ-18	Perfluorononanoic acid (PFNA)	100
PZ-18	Perfluorooctanesulfonic acid (PFOS)	6.2
PZ-18	Perfluorooctanoic acid (PFOA)	99
PZ-18	Perfluoropentanoic acid (PFPeA)	13,000
PZ-18	Perfluoroundecanoic acid (PFUnA)	2.6

Well	Analyte	Result (ng/L)
NAF-10	Perfluorobutanesulfonic acid (PFBS)	4.1
NAF-10	Perfluorodecanoic acid (PFDA)	7.6
NAF-10	Perfluoroheptanoic acid (PFHpA)	54
NAF-10	Perfluorohexanesulfonic acid (PFHxS)	2.5
NAF-10	Perfluorohexanoic acid (PFHxA)	30
NAF-10	Perfluorononanoic acid (PFNA)	20
NAF-10	Perfluorooctanesulfonic acid (PFOS)	15
NAF-10	Perfluorooctanoic acid (PFOA)	62
NAF-10	Perfluoropentanoic acid (PFPeA)	310
NAF-10	Perfluoroundecanoic acid (PFUnA)	3.2

Well	Analyte	Result (ng/L)
MW-12S	Perfluorodecanoic acid (PFDA)	2.2
MW-12S	Perfluoroheptanoic acid (PFHpA)	34
MW-12S	Perfluorohexanesulfonic acid (PFHxS)	3.2
MW-12S	Perfluorohexanoic acid (PFHxA)	27
MW-12S	Perfluorononanoic acid (PFNA)	17
MW-12S	Perfluorooctanesulfonic acid (PFOS)	7.6
MW-12S	Perfluorooctanoic acid (PFOA)	97
MW-12S	Perfluoropentanoic acid (PFPeA)	130
MW-12S	Perfluoroundecanoic acid (PFUnA)	2.0

Well	Analyte	Result (ng/L)
PZ-15	Perfluoroheptanoic acid (PFHpA)	23
PZ-15	Perfluorohexanoic acid (PFHxA)	10
PZ-15	Perfluorononanoic acid (PFNA)	3.3
PZ-15	Perfluorooctanesulfonic acid (PFOS)	3.5
PZ-15	Perfluorooctanoic acid (PFOA)	32
PZ-15	Perfluoropentanoic acid (PFPeA)	120

Well	Analyte	Result (ng/L)
PZ-19	Perfluorobutanesulfonic acid (PFBS)	2.8
PZ-19	Perfluorodecanoic acid (PFDA)	3.0
PZ-19	Perfluoroheptanoic acid (PFHpA)	48
PZ-19	Perfluorohexanesulfonic acid (PFHxS)	9.9
PZ-19	Perfluorohexanoic acid (PFHxA)	22
PZ-19	Perfluorononanoic acid (PFNA)	11
PZ-19	Perfluorooctanesulfonic acid (PFOS)	9.5
PZ-19	Perfluorooctanoic acid (PFOA)	51
PZ-19	Perfluoropentanoic acid (PFPeA)	170

Well	Analyte	Result (ng/L)
MW-1S	Perfluorodecanoic acid (PFDA)	3.9
MW-1S	Perfluoroheptanoic acid (PFHpA)	48
MW-1S	Perfluorohexanesulfonic acid (PFHxS)	2.4
MW-1S	Perfluorohexanoic acid (PFHxA)	24
MW-1S	Perfluorononanoic acid (PFNA)	20
MW-1S	Perfluorooctanesulfonic acid (PFOS)	8.2
MW-1S	Perfluorooctanoic acid (PFOA)	100
MW-1S	Perfluoropentanoic acid (PFPeA)	240
MW-1S	Perfluoroundecanoic acid (PFUnA)	3.9

Well	Analyte	Result (ng/L)
MW-8S	Perfluoroheptanoic acid (PFHpA)	33
MW-8S	Perfluorohexanoic acid (PFHxA)	12
MW-8S	Perfluorononanoic acid (PFNA)	10
MW-8S	Perfluorooctanesulfonic acid (PFOS)	5.4
MW-8S	Perfluorooctanoic acid (PFOA)	83
MW-8S	Perfluoropentanoic acid (PFPeA)	160

Well	Analyte	Result (ng/L)
PZ-16	Perfluoroheptanoic acid (PFHpA)	17
PZ-16	Perfluorohexanesulfonic acid (PFHxS)	2.1
PZ-16	Perfluorohexanoic acid (PFHxA)	19
PZ-16	Perfluorooctanoic acid (PFOA)	36
PZ-16	Perfluoropentanoic acid (PFPeA)	64

Well	Analyte	Result (ng/L)
MW-2S	Perfluorodecanoic acid (PFDA)	8.2
MW-2S	Perfluoroheptanoic acid (PFHpA)	74
MW-2S	Perfluorohexanesulfonic acid (PFHxS)	4.0
MW-2S	Perfluorohexanoic acid (PFHxA)	40
MW-2S	Perfluorononanoic acid (PFNA)	71
MW-2S	Perfluorooctanesulfonic acid (PFOS)	16
MW-2S	Perfluorooctanoic acid (PFOA)	79
MW-2S	Perfluoropentanoic acid (PFPeA)	420
MW-2S	Perfluoroundecanoic acid (PFUnA)	4.1

Well	Analyte	Result (ng/L)
MW-7S	Perfluorodecanoic acid (PFDA)	2.6
MW-7S	Perfluoroheptanoic acid (PFHpA)	43
MW-7S	Perfluorohexanesulfonic acid (PFHxS)	2.8
MW-7S	Perfluorohexanoic acid (PFHxA)	18
MW-7S	Perfluorononanoic acid (PFNA)	13
MW-7S	Perfluorooctanesulfonic acid (PFOS)	6.9
MW-7S	Perfluorooctanoic acid (PFOA)	99
MW-7S	Perfluoropentanoic acid (PFPeA)	190

Well	Analyte	Result (ng/L)
MW-9S	Perfluorobutanesulfonic acid (PFBS)	8.1
MW-9S	Perfluoroheptanoic acid (PFHpA)	15
MW-9S	Perfluorohexanoic acid (PFHxA)	13
MW-9S	Perfluorooctanoic acid (PFOA)	24
MW-9S	Perfluoropentanoic acid (PFPeA)	78

Perched Zone Wells

NE – Perched Zone clay lens does not exist

Plant Border

ns=not sampled
values reported in ng/L

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Charlotte, NC 28209

Perched Water Zone List 1 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/19/2018	449338.01050
Revision: 1	Figure Number: 10a	
Name: Perched_PFAS		

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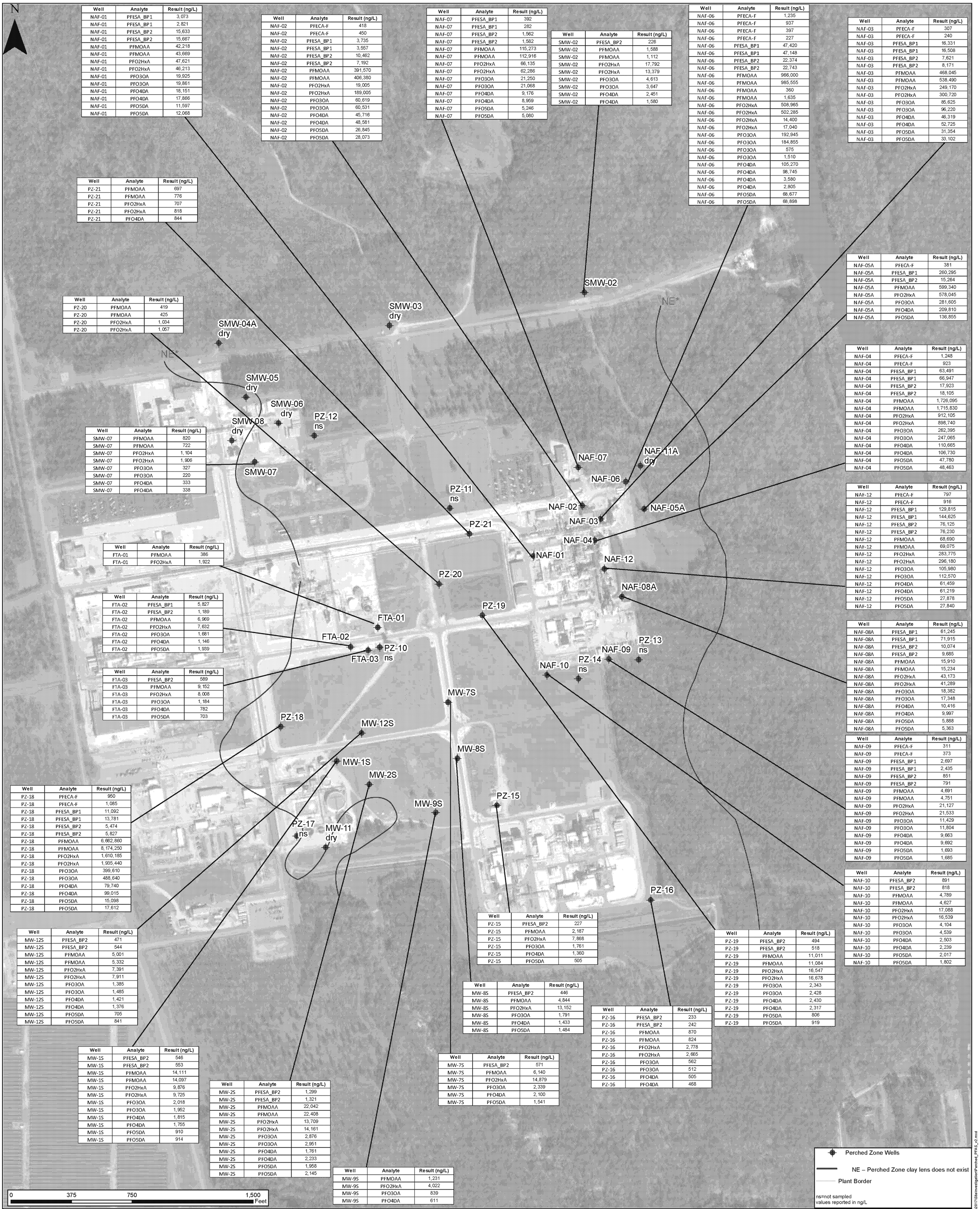

Well	Analyte	Result (ng/L)
NAF-01	PFESA_BP1	3,073
NAF-01	PFESA_BP1	2,821
NAF-01	PFESA_BP2	15,633
NAF-01	PFESA_BP2	15,667
NAF-01	PFMOAA	42,218
NAF-01	PFMOAA	43,669
NAF-01	PFO2HxA	47,621
NAF-01	PFO2HxA	46,213
NAF-01	PFO3OA	19,925
NAF-01	PFO3OA	19,861
NAF-01	PFO4DA	18,151
NAF-01	PFO4DA	17,866
NAF-01	PFO5DA	11,597
NAF-01	PFO5DA	12,068

Well	Analyte	Result (ng/L)
NAF-02	PFECA-F	418
NAF-02	PFECA-F	450
NAF-02	PFESA_BP1	3,735
NAF-02	PFESA_BP1	3,557
NAF-02	PFESA_BP2	10,462
NAF-02	PFESA_BP2	7,192
NAF-02	PFMOAA	391,570
NAF-02	PFMOAA	406,380
NAF-02	PFO2HxA	19,005
NAF-02	PFO2HxA	189,005
NAF-02	PFO3OA	60,619
NAF-02	PFO3OA	60,531
NAF-02	PFO4DA	45,716
NAF-02	PFO4DA	48,581
NAF-02	PFO5DA	26,845
NAF-02	PFO5DA	28,073

Well	Analyte	Result (ng/L)
NAF-07	PFESA_BP1	392
NAF-07	PFESA_BP1	282
NAF-07	PFESA_BP2	1,562
NAF-07	PFESA_BP2	1,582
NAF-07	PFMOAA	115,273
NAF-07	PFMOAA	112,916
NAF-07	PFO2HxA	66,135
NAF-07	PFO2HxA	62,286
NAF-07	PFO3OA	21,250
NAF-07	PFO3OA	21,068
NAF-07	PFO4DA	9,176
NAF-07	PFO4DA	8,959
NAF-07	PFO5DA	5,246
NAF-07	PFO5DA	5,080

Well	Analyte	Result (ng/L)
SMW-02	PFESA_BP2	226
SMW-02	PFMOAA	1,588
SMW-02	PFMOAA	1,112
SMW-02	PFO2HxA	17,792
SMW-02	PFO2HxA	13,379
SMW-02	PFO3OA	4,613
SMW-02	PFO3OA	3,647
SMW-02	PFO4DA	2,451
SMW-02	PFO4DA	1,580

Well	Analyte	Result (ng/L)
NAF-06	PFECA-F	1,235
NAF-06	PFECA-F	937
NAF-06	PFECA-F	397
NAF-06	PFECA-F	227
NAF-06	PFESA_BP1	47,420
NAF-06	PFESA_BP1	47,148
NAF-06	PFESA_BP2	22,374
NAF-06	PFESA_BP2	22,743
NAF-06	PFMOAA	966,000
NAF-06	PFMOAA	985,555
NAF-06	PFMOAA	360
NAF-06	PFMOAA	1,635
NAF-06	PFO2HxA	508,965
NAF-06	PFO2HxA	502,285
NAF-06	PFO2HxA	14,400
NAF-06	PFO2HxA	17,040
NAF-06	PFO3OA	192,945
NAF-06	PFO3OA	184,855
NAF-06	PFO3OA	575
NAF-06	PFO3OA	1,510
NAF-06	PFO4DA	105,270
NAF-06	PFO4DA	98,745
NAF-06	PFO4DA	3,580
NAF-06	PFO4DA	2,805
NAF-06	PFO5DA	68,677
NAF-06	PFO5DA	68,898

Well	Analyte	Result (ng/L)
NAF-03	PFECA-F	307
NAF-03	PFECA-F	240
NAF-03	PFESA_BP1	16,331
NAF-03	PFESA_BP1	16,508
NAF-03	PFESA_BP2	7,621
NAF-03	PFESA_BP2	8,171
NAF-03	PFMOAA	468,045
NAF-03	PFMOAA	538,490
NAF-03	PFO2HxA	249,170
NAF-03	PFO2HxA	300,720
NAF-03	PFO3OA	85,625
NAF-03	PFO3OA	96,220
NAF-03	PFO4DA	46,319
NAF-03	PFO4DA	52,725
NAF-03	PFO5DA	31,354
NAF-03	PFO5DA	33,102

Well	Analyte	Result (ng/L)
PZ-21	PFMOAA	697
PZ-21	PFMOAA	776
PZ-21	PFO2HxA	707
PZ-21	PFO2HxA	818
PZ-21	PFO4DA	844

Well	Analyte	Result (ng/L)
NAF-05A	PFECA-F	381
NAF-05A	PFESA_BP1	260,295
NAF-05A	PFESA_BP2	15,264
NAF-05A	PFMOAA	599,340
NAF-05A	PFO2HxA	578,045
NAF-05A	PFO3OA	281,605
NAF-05A	PFO4DA	209,810
NAF-05A	PFO5DA	136,855

Well	Analyte	Result (ng/L)
PZ-20	PFMOAA	419
PZ-20	PFMOAA	425
PZ-20	PFO2HxA	1,034
PZ-20	PFO2HxA	1,067

Well	Analyte	Result (ng/L)
NAF-04	PFECA-F	1,248
NAF-04	PFECA-F	923
NAF-04	PFESA_BP1	63,491
NAF-04	PFESA_BP1	66,947
NAF-04	PFESA_BP2	17,923
NAF-04	PFESA_BP2	18,105
NAF-04	PFMOAA	1,726,095
NAF-04	PFMOAA	1,715,830
NAF-04	PFO2HxA	912,105
NAF-04	PFO2HxA	898,740
NAF-04	PFO3OA	262,395
NAF-04	PFO3OA	247,065
NAF-04	PFO4DA	110,665
NAF-04	PFO4DA	106,730
NAF-04	PFO5DA	47,780
NAF-04	PFO5DA	48,463

Well	Analyte	Result (ng/L)
SMW-07	PFMOAA	820
SMW-07	PFMOAA	722
SMW-07	PFO2HxA	1,104
SMW-07	PFO2HxA	1,906
SMW-07	PFO3OA	327
SMW-07	PFO3OA	220
SMW-07	PFO4DA	333
SMW-07	PFO4DA	338

Well	Analyte	Result (ng/L)
NAF-12	PFECA-F	797
NAF-12	PFECA-F	916
NAF-12	PFESA_BP1	129,815
NAF-12	PFESA_BP1	144,625
NAF-12	PFESA_BP2	76,125
NAF-12	PFESA_BP2	76,230
NAF-12	PFMOAA	68,690
NAF-12	PFMOAA	69,075
NAF-12	PFO2HxA	283,775
NAF-12	PFO2HxA	296,180
NAF-12	PFO3OA	105,980
NAF-12	PFO3OA	112,570
NAF-12	PFO4DA	61,459
NAF-12	PFO4DA	61,219
NAF-12	PFO5DA	27,878
NAF-12	PFO5DA	27,840

Well	Analyte	Result (ng/L)
FTA-01	PFMOAA	386
FTA-01	PFO2HxA	1,922

Well	Analyte	Result (ng/L)
FTA-02	PFESA_BP1	5,827
FTA-02	PFESA_BP2	1,189
FTA-02	PFMOAA	6,969
FTA-02	PFO2HxA	7,632
FTA-02	PFO3OA	1,681
FTA-02	PFO4DA	1,146
FTA-02	PFO5DA	1,939

Well	Analyte	Result (ng/L)
NAF-08A	PFESA_BP1	61,245
NAF-08A	PFESA_BP1	71,915
NAF-08A	PFESA_BP2	10,074
NAF-08A	PFESA_BP2	9,685
NAF-08A	PFMOAA	15,910
NAF-08A	PFMOAA	15,234
NAF-08A	PFO2HxA	43,173
NAF-08A	PFO2HxA	41,289
NAF-08A	PFO3OA	18,382
NAF-08A	PFO3OA	17,348
NAF-08A	PFO4DA	10,416
NAF-08A	PFO4DA	9,997
NAF-08A	PFO5DA	5,888
NAF-08A	PFO5DA	5,363

Well	Analyte	Result (ng/L)
FTA-03	PFESA_BP2	589
FTA-03	PFMOAA	9,152
FTA-03	PFO2HxA	8,008
FTA-03	PFO3OA	1,184
FTA-03	PFO4DA	782
FTA-03	PFO5DA	703

Well	Analyte	Result (ng/L)
NAF-09	PFECA-F	311
NAF-09	PFECA-F	373
NAF-09	PFESA_BP1	2,697
NAF-09	PFESA_BP1	2,435
NAF-09	PFESA_BP2	851
NAF-09	PFESA_BP2	791
NAF-09	PFMOAA	4,691
NAF-09	PFMOAA	4,751
NAF-09	PFO2HxA	21,127
NAF-09	PFO2HxA	21,533
NAF-09	PFO3OA	11,429
NAF-09	PFO3OA	11,804
NAF-09	PFO4DA	9,663
NAF-09	PFO4DA	9,692
NAF-09	PFO5DA	1,693
NAF-09	PFO5DA	1,685

Well	Analyte	Result (ng/L)
PZ-18	PFECA-F	950
PZ-18	PFECA-F	1,085
PZ-18	PFESA_BP1	11,092
PZ-18	PFESA_BP1	13,781
PZ-18	PFESA_BP2	5,474
PZ-18	PFESA_BP2	5,827
PZ-18	PFMOAA	6,662,860
PZ-18	PFMOAA	8,174,250
PZ-18	PFO2HxA	1,610,185
PZ-18	PFO2HxA	1,935,440
PZ-18	PFO3OA	399,610
PZ-18	PFO3OA	488,640
PZ-18	PFO4DA	79,740
PZ-18	PFO4DA	99,015
PZ-18	PFO5DA	15,098
PZ-18	PFO5DA	17,612

Well	Analyte	Result (ng/L)
NAF-10	PFESA_BP2	891
NAF-10	PFESA_BP2	818
NAF-10	PFMOAA	4,789
NAF-10	PFMOAA	4,627
NAF-10	PFO2HxA	17,088
NAF-10	PFO2HxA	16,539
NAF-10	PFO3OA	4,104
NAF-10	PFO3OA	4,539
NAF-10	PFO4DA	2,503
NAF-10	PFO4DA	2,239
NAF-10	PFO5DA	2,017
NAF-10	PFO5DA	1,802

Well	Analyte	Result (ng/L)
MW-12S	PFESA_BP2	471
MW-12S	PFESA_BP2	544
MW-12S	PFMOAA	5,001
MW-12S	PFMOAA	5,332
MW-12S	PFO2HxA	7,391
MW-12S	PFO2HxA	7,911
MW-12S	PFO3OA	1,385
MW-12S	PFO3OA	1,485
MW-12S	PFO4DA	1,421
MW-12S	PFO4DA	1,376
MW-12S	PFO5DA	705
MW-12S	PFO5DA	841

Well	Analyte	Result (ng/L)
PZ-15	PFESA_BP2	227
PZ-15	PFMOAA	2,187
PZ-15	PFO2HxA	7,868
PZ-15	PFO3OA	1,761
PZ-15	PFO4DA	1,360
PZ-15	PFO5DA	505

Well	Analyte	Result (ng/L)
PZ-19	PFESA_BP2	494
PZ-19	PFESA_BP2	518
PZ-19	PFMOAA	11,011
PZ-19	PFMOAA	11,084
PZ-19	PFO2HxA	16,547
PZ-19	PFO2HxA	16,678
PZ-19	PFO3OA	2,343
PZ-19	PFO3OA	2,428
PZ-19	PFO4DA	2,430
PZ-19	PFO4DA	2,317
PZ-19	PFO5DA	806
PZ-19	PFO5DA	919

Well	Analyte	Result (ng/L)
MW-8S	PFESA_BP2	446
MW-8S	PFMOAA	4,844
MW-8S	PFO2HxA	13,152
MW-8S	PFO3OA	1,791
MW-8S	PFO4DA	1,433
MW-8S	PFO5DA	1,484

Well	Analyte	Result (ng/L)
PZ-16	PFESA_BP2	233
PZ-16	PFESA_BP2	242
PZ-16	PFMOAA	870
PZ-16	PFMOAA	824
PZ-16	PFO2HxA	2,778
PZ-16	PFO2HxA	2,665
PZ-16	PFO3OA	562
PZ-16	PFO3OA	512
PZ-16	PFO4DA	505
PZ-16	PFO4DA	468

Well	Analyte	Result (ng/L)
MW-1S	PFESA_BP2	546
MW-1S	PFESA_BP2	553
MW-1S	PFMOAA	14,111
MW-1S	PFMOAA	14,097
MW-1S	PFO2HxA	9,876
MW-1S	PFO2HxA	9,725
MW-1S	PFO3OA	2,018
MW-1S	PFO3OA	1,952
MW-1S	PFO4DA	1,815
MW-1S	PFO4DA	1,755
MW-1S	PFO5DA	910
MW-1S	PFO5DA	914

Well	Analyte	Result (ng/L)
MW-2S	PFESA_BP2	1,299
MW-2S	PFESA_BP2	1,321
MW-2S	PFMOAA	22,042
MW-2S	PFMOAA	22,408
MW-2S	PFO2HxA	13,709
MW-2S	PFO2HxA	14,161
MW-2S	PFO3OA	2,876
MW-2S	PFO3OA	2,951
MW-2S	PFO4DA	1,761
MW-2S	PFO4DA	2,233
MW-2S	PFO5DA	1,958
MW-2S	PFO5DA	2,145

Well	Analyte	Result (ng/L)
MW-7S	PFESA_BP2	571
MW-7S	PFMOAA	6,140
MW-7S	PFO2HxA	14,879
MW-7S	PFO3OA	2,339
MW-7S	PFO4DA	2,100
MW-7S	PFO5DA	1,541

Well	Analyte	Result (ng/L)
MW-9S	PFMOAA	1,231
MW-9S	PFO2HxA	4,022
MW-9S	PFO3OA	839
MW-9S	PFO4DA	611

Perched Zone Wells

NE – Perched Zone clay lens does not exist

Plant Border

ns=not sampled
values reported in ng/L

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Perched Water Zone List 2 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	2/16/2018	449338.01050
Revision: 1	Figure Number: 10b	

Name: Perched_PFAS_v2

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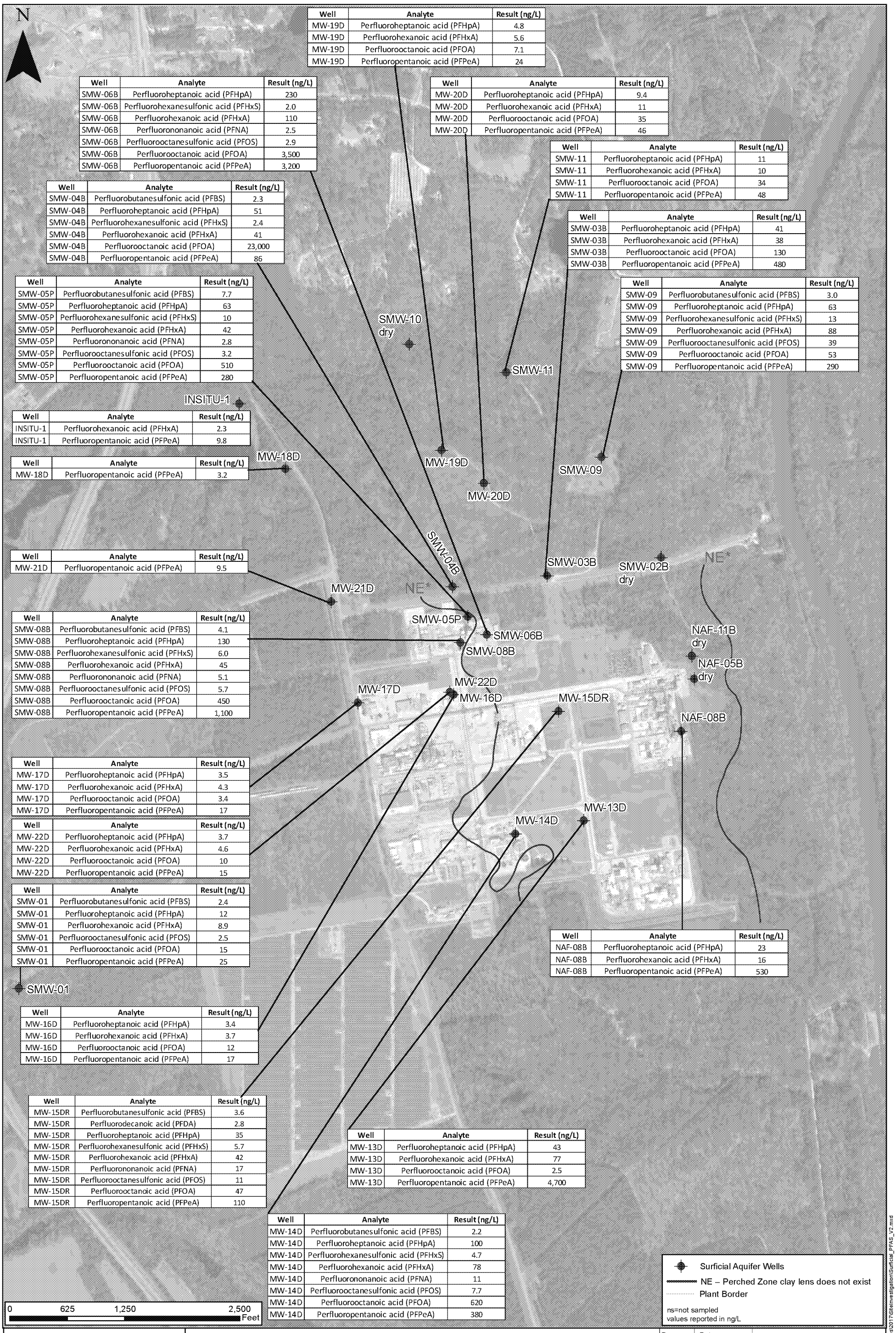

Well	Analyte	Result (ng/L)
MW-19D	Perfluoroheptanoic acid (PFHpA)	4.8
MW-19D	Perfluorohexanoic acid (PFHxA)	5.6
MW-19D	Perfluorooctanoic acid (PFOA)	7.1
MW-19D	Perfluoropentanoic acid (PFPeA)	24

Well	Analyte	Result (ng/L)
SMW-06B	Perfluoroheptanoic acid (PFHpA)	230
SMW-06B	Perfluorohexanesulfonic acid (PFHxS)	2.0
SMW-06B	Perfluorohexanoic acid (PFHxA)	110
SMW-06B	Perfluorononanoic acid (PFNA)	2.5
SMW-06B	Perfluorooctanesulfonic acid (PFOS)	2.9
SMW-06B	Perfluorooctanoic acid (PFOA)	3,500
SMW-06B	Perfluoropentanoic acid (PFPeA)	3,200

Well	Analyte	Result (ng/L)
MW-20D	Perfluoroheptanoic acid (PFHpA)	9.4
MW-20D	Perfluorohexanoic acid (PFHxA)	11
MW-20D	Perfluorooctanoic acid (PFOA)	35
MW-20D	Perfluoropentanoic acid (PFPeA)	46

Well	Analyte	Result (ng/L)
SMW-11	Perfluoroheptanoic acid (PFHpA)	11
SMW-11	Perfluorohexanoic acid (PFHxA)	10
SMW-11	Perfluorooctanoic acid (PFOA)	34
SMW-11	Perfluoropentanoic acid (PFPeA)	48

Well	Analyte	Result (ng/L)
SMW-04B	Perfluorobutanesulfonic acid (PFBS)	2.3
SMW-04B	Perfluoroheptanoic acid (PFHpA)	51
SMW-04B	Perfluorohexanesulfonic acid (PFHxS)	2.4
SMW-04B	Perfluorohexanoic acid (PFHxA)	41
SMW-04B	Perfluorooctanoic acid (PFOA)	23,000
SMW-04B	Perfluoropentanoic acid (PFPeA)	86

Well	Analyte	Result (ng/L)
SMW-03B	Perfluoroheptanoic acid (PFHpA)	41
SMW-03B	Perfluorohexanoic acid (PFHxA)	38
SMW-03B	Perfluorooctanoic acid (PFOA)	130
SMW-03B	Perfluoropentanoic acid (PFPeA)	480

Well	Analyte	Result (ng/L)
SMW-05P	Perfluorobutanesulfonic acid (PFBS)	7.7
SMW-05P	Perfluoroheptanoic acid (PFHpA)	63
SMW-05P	Perfluorohexanesulfonic acid (PFHxS)	10
SMW-05P	Perfluorohexanoic acid (PFHxA)	42
SMW-05P	Perfluorononanoic acid (PFNA)	2.8
SMW-05P	Perfluorooctanesulfonic acid (PFOS)	3.2
SMW-05P	Perfluorooctanoic acid (PFOA)	510
SMW-05P	Perfluoropentanoic acid (PFPeA)	280

Well	Analyte	Result (ng/L)
SMW-09	Perfluorobutanesulfonic acid (PFBS)	3.0
SMW-09	Perfluoroheptanoic acid (PFHpA)	63
SMW-09	Perfluorohexanesulfonic acid (PFHxS)	13
SMW-09	Perfluorohexanoic acid (PFHxA)	88
SMW-09	Perfluorooctanesulfonic acid (PFOS)	39
SMW-09	Perfluorooctanoic acid (PFOA)	53
SMW-09	Perfluoropentanoic acid (PFPeA)	290

Well	Analyte	Result (ng/L)
INSITU-1	Perfluorohexanoic acid (PFHxA)	2.3
INSITU-1	Perfluoropentanoic acid (PFPeA)	9.8

Well	Analyte	Result (ng/L)
MW-18D	Perfluoropentanoic acid (PFPeA)	3.2

Well	Analyte	Result (ng/L)
MW-21D	Perfluoropentanoic acid (PFPeA)	9.5

Well	Analyte	Result (ng/L)
SMW-08B	Perfluorobutanesulfonic acid (PFBS)	4.1
SMW-08B	Perfluoroheptanoic acid (PFHpA)	130
SMW-08B	Perfluorohexanesulfonic acid (PFHxS)	6.0
SMW-08B	Perfluorohexanoic acid (PFHxA)	45
SMW-08B	Perfluorononanoic acid (PFNA)	5.1
SMW-08B	Perfluorooctanesulfonic acid (PFOS)	5.7
SMW-08B	Perfluorooctanoic acid (PFOA)	450
SMW-08B	Perfluoropentanoic acid (PFPeA)	1,100

Well	Analyte	Result (ng/L)
MW-17D	Perfluoroheptanoic acid (PFHpA)	3.5
MW-17D	Perfluorohexanoic acid (PFHxA)	4.3
MW-17D	Perfluorooctanoic acid (PFOA)	3.4
MW-17D	Perfluoropentanoic acid (PFPeA)	17

Well	Analyte	Result (ng/L)
MW-22D	Perfluoroheptanoic acid (PFHpA)	3.7
MW-22D	Perfluorohexanoic acid (PFHxA)	4.6
MW-22D	Perfluorooctanoic acid (PFOA)	10
MW-22D	Perfluoropentanoic acid (PFPeA)	15

Well	Analyte	Result (ng/L)
SMW-01	Perfluorobutanesulfonic acid (PFBS)	2.4
SMW-01	Perfluoroheptanoic acid (PFHpA)	12
SMW-01	Perfluorohexanoic acid (PFHxA)	8.9
SMW-01	Perfluorooctanesulfonic acid (PFOS)	2.5
SMW-01	Perfluorooctanoic acid (PFOA)	15
SMW-01	Perfluoropentanoic acid (PFPeA)	25

Well	Analyte	Result (ng/L)
NAF-08B	Perfluoroheptanoic acid (PFHpA)	23
NAF-08B	Perfluorohexanoic acid (PFHxA)	16
NAF-08B	Perfluoropentanoic acid (PFPeA)	530

Well	Analyte	Result (ng/L)
MW-16D	Perfluoroheptanoic acid (PFHpA)	3.4
MW-16D	Perfluorohexanoic acid (PFHxA)	3.7
MW-16D	Perfluorooctanoic acid (PFOA)	12
MW-16D	Perfluoropentanoic acid (PFPeA)	17

Well	Analyte	Result (ng/L)
MW-15DR	Perfluorobutanesulfonic acid (PFBS)	3.6
MW-15DR	Perfluorodecanoic acid (PFDA)	2.8
MW-15DR	Perfluoroheptanoic acid (PFHpA)	35
MW-15DR	Perfluorohexanesulfonic acid (PFHxS)	5.7
MW-15DR	Perfluorohexanoic acid (PFHxA)	42
MW-15DR	Perfluorononanoic acid (PFNA)	17
MW-15DR	Perfluorooctanesulfonic acid (PFOS)	11
MW-15DR	Perfluorooctanoic acid (PFOA)	47
MW-15DR	Perfluoropentanoic acid (PFPeA)	110

Well	Analyte	Result (ng/L)
MW-13D	Perfluoroheptanoic acid (PFHpA)	43
MW-13D	Perfluorohexanoic acid (PFHxA)	77
MW-13D	Perfluorooctanoic acid (PFOA)	2.5
MW-13D	Perfluoropentanoic acid (PFPeA)	4,700

Well	Analyte	Result (ng/L)
MW-14D	Perfluorobutanesulfonic acid (PFBS)	2.2
MW-14D	Perfluoroheptanoic acid (PFHpA)	100
MW-14D	Perfluorohexanesulfonic acid (PFHxS)	4.7
MW-14D	Perfluorohexanoic acid (PFHxA)	78
MW-14D	Perfluorononanoic acid (PFNA)	11
MW-14D	Perfluorooctanesulfonic acid (PFOS)	7.7
MW-14D	Perfluorooctanoic acid (PFOA)	620
MW-14D	Perfluoropentanoic acid (PFPeA)	380

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Surficial Aquifer List 1 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal
Date: 3/19/2018
File Project Number: 449338.01050
Revision: 1
Figure Number: 11a
Name: Surficial_PFAS_V2

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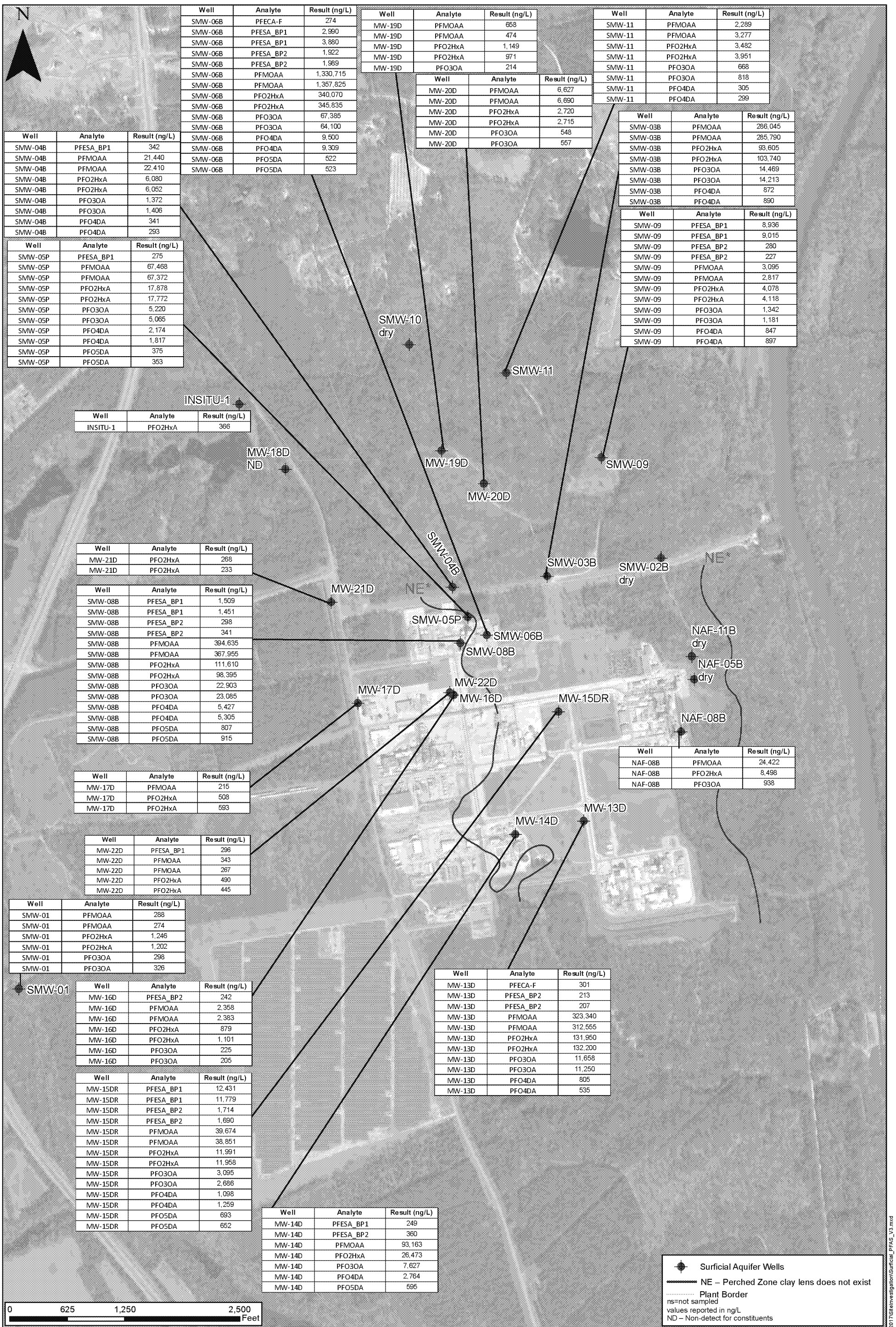

Well	Analyte	Result (ng/L)
SMW-06B	PFECA-F	274
SMW-06B	PFESA_BP1	2,990
SMW-06B	PFESA_BP1	3,880
SMW-06B	PFESA_BP2	1,922
SMW-06B	PFESA_BP2	1,989
SMW-06B	PFMOAA	1,330,715
SMW-06B	PFMOAA	1,357,825
SMW-06B	PFO2HxA	340,070
SMW-06B	PFO2HxA	345,835
SMW-06B	PFO3OA	67,385
SMW-06B	PFO3OA	64,100
SMW-06B	PFO4DA	9,500
SMW-06B	PFO4DA	9,309
SMW-06B	PFO5DA	522
SMW-06B	PFO5DA	523

Well	Analyte	Result (ng/L)
MW-19D	PFMOAA	658
MW-19D	PFMOAA	474
MW-19D	PFO2HxA	1,149
MW-19D	PFO2HxA	971
MW-19D	PFO3OA	214

Well	Analyte	Result (ng/L)
MW-20D	PFMOAA	6,627
MW-20D	PFMOAA	6,690
MW-20D	PFO2HxA	2,720
MW-20D	PFO2HxA	2,715
MW-20D	PFO3OA	548
MW-20D	PFO3OA	557

Well	Analyte	Result (ng/L)
SMW-11	PFMOAA	2,289
SMW-11	PFMOAA	3,277
SMW-11	PFO2HxA	3,482
SMW-11	PFO2HxA	3,951
SMW-11	PFO3OA	668
SMW-11	PFO3OA	818
SMW-11	PFO4DA	305
SMW-11	PFO4DA	299

Well	Analyte	Result (ng/L)
SMW-03B	PFMOAA	286,045
SMW-03B	PFMOAA	285,790
SMW-03B	PFO2HxA	93,605
SMW-03B	PFO2HxA	103,740
SMW-03B	PFO3OA	14,469
SMW-03B	PFO3OA	14,213
SMW-03B	PFO4DA	872
SMW-03B	PFO4DA	890

Well	Analyte	Result (ng/L)
SMW-09	PFESA_BP1	8,936
SMW-09	PFESA_BP1	9,015
SMW-09	PFESA_BP2	280
SMW-09	PFESA_BP2	227
SMW-09	PFMOAA	3,095
SMW-09	PFMOAA	2,817
SMW-09	PFO2HxA	4,078
SMW-09	PFO2HxA	4,118
SMW-09	PFO3OA	1,342
SMW-09	PFO3OA	1,181
SMW-09	PFO4DA	847
SMW-09	PFO4DA	897

Well	Analyte	Result (ng/L)
SMW-04B	PFESA_BP1	342
SMW-04B	PFMOAA	21,440
SMW-04B	PFMOAA	22,410
SMW-04B	PFO2HxA	6,080
SMW-04B	PFO2HxA	6,052
SMW-04B	PFO3OA	1,372
SMW-04B	PFO3OA	1,406
SMW-04B	PFO4DA	341
SMW-04B	PFO4DA	293

Well	Analyte	Result (ng/L)
SMW-05P	PFESA_BP1	275
SMW-05P	PFMOAA	67,468
SMW-05P	PFMOAA	67,372
SMW-05P	PFO2HxA	17,878
SMW-05P	PFO2HxA	17,772
SMW-05P	PFO3OA	5,220
SMW-05P	PFO3OA	5,065
SMW-05P	PFO4DA	2,174
SMW-05P	PFO4DA	1,817
SMW-05P	PFO5DA	375
SMW-05P	PFO5DA	353

Well	Analyte	Result (ng/L)
INSITU-1	PFO2HxA	366

Well	Analyte	Result (ng/L)
MW-21D	PFO2HxA	268
MW-21D	PFO2HxA	233

Well	Analyte	Result (ng/L)
SMW-08B	PFESA_BP1	1,509
SMW-08B	PFESA_BP1	1,451
SMW-08B	PFESA_BP2	298
SMW-08B	PFESA_BP2	341
SMW-08B	PFMOAA	394,635
SMW-08B	PFMOAA	367,955
SMW-08B	PFO2HxA	111,610
SMW-08B	PFO2HxA	98,395
SMW-08B	PFO3OA	22,903
SMW-08B	PFO3OA	23,085
SMW-08B	PFO4DA	5,427
SMW-08B	PFO4DA	5,305
SMW-08B	PFO5DA	807
SMW-08B	PFO5DA	915

Well	Analyte	Result (ng/L)
NAF-08B	PFMOAA	24,422
NAF-08B	PFO2HxA	8,498
NAF-08B	PFO3OA	938

Well	Analyte	Result (ng/L)
MW-17D	PFMOAA	215
MW-17D	PFO2HxA	508
MW-17D	PFO2HxA	593

Well	Analyte	Result (ng/L)
MW-22D	PFESA_BP1	296
MW-22D	PFMOAA	343
MW-22D	PFMOAA	267
MW-22D	PFO2HxA	490
MW-22D	PFO2HxA	445

Well	Analyte	Result (ng/L)
SMW-01	PFMOAA	288
SMW-01	PFMOAA	274
SMW-01	PFO2HxA	1,246
SMW-01	PFO2HxA	1,202
SMW-01	PFO3OA	298
SMW-01	PFO3OA	326

Well	Analyte	Result (ng/L)
MW-16D	PFESA_BP2	242
MW-16D	PFMOAA	2,358
MW-16D	PFMOAA	2,383
MW-16D	PFO2HxA	879
MW-16D	PFO2HxA	1,101
MW-16D	PFO3OA	225
MW-16D	PFO3OA	205

Well	Analyte	Result (ng/L)
MW-13D	PFECA-F	301
MW-13D	PFESA_BP2	213
MW-13D	PFESA_BP2	207
MW-13D	PFMOAA	323,340
MW-13D	PFMOAA	312,555
MW-13D	PFO2HxA	131,950
MW-13D	PFO2HxA	132,200
MW-13D	PFO3OA	11,658
MW-13D	PFO3OA	11,250
MW-13D	PFO4DA	805
MW-13D	PFO4DA	535

Well	Analyte	Result (ng/L)
MW-15DR	PFESA_BP1	12,431
MW-15DR	PFESA_BP1	11,779
MW-15DR	PFESA_BP2	1,714
MW-15DR	PFESA_BP2	1,690
MW-15DR	PFMOAA	39,674
MW-15DR	PFMOAA	38,851
MW-15DR	PFO2HxA	11,991
MW-15DR	PFO2HxA	11,958
MW-15DR	PFO3OA	3,095
MW-15DR	PFO3OA	2,686
MW-15DR	PFO4DA	1,098
MW-15DR	PFO4DA	1,259
MW-15DR	PFO5DA	693
MW-15DR	PFO5DA	652

Well	Analyte	Result (ng/L)
MW-14D	PFESA_BP1	249
MW-14D	PFESA_BP2	360
MW-14D	PFMOAA	93,163
MW-14D	PFO2HxA	26,473
MW-14D	PFO3OA	7,627
MW-14D	PFO4DA	2,764
MW-14D	PFO5DA	595

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Surficial Aquifer List 2 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal
Date: 3/20/2018
File Project Number: 449338.01050
Revision: 1
Figure Number: 11b
Name: Surficial_PFAS_V3

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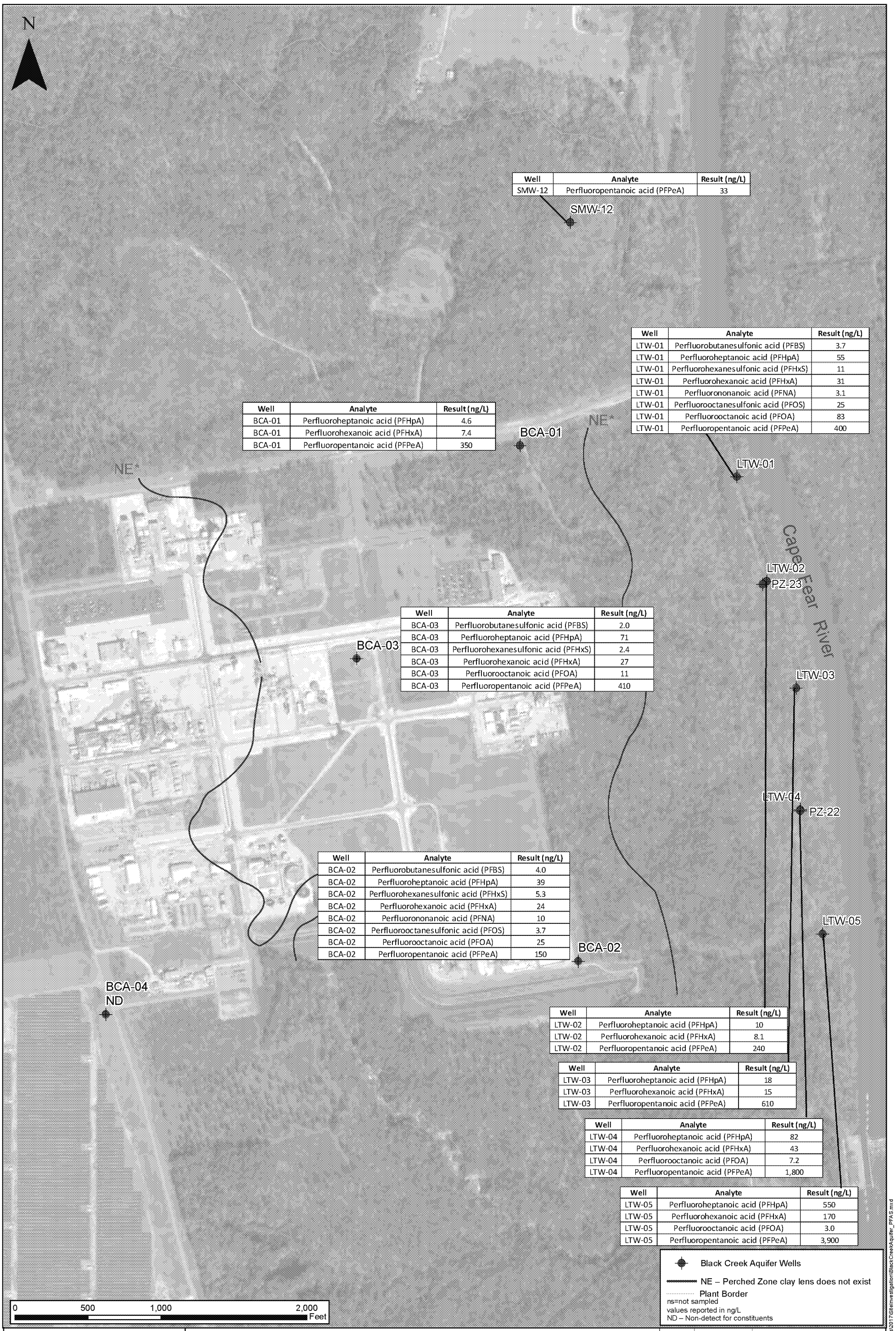

Well	Analyte	Result (ng/L)
SMW-12	Perfluoropentanoic acid (PFPeA)	33

Well	Analyte	Result (ng/L)
LTW-01	Perfluorobutanesulfonic acid (PFBS)	3.7
LTW-01	Perfluoroheptanoic acid (PFHpA)	55
LTW-01	Perfluorohexanesulfonic acid (PFHxS)	11
LTW-01	Perfluorohexanoic acid (PFHxA)	31
LTW-01	Perfluorononanoic acid (PFNA)	3.1
LTW-01	Perfluorooctanesulfonic acid (PFOS)	25
LTW-01	Perfluorooctanoic acid (PFOA)	83
LTW-01	Perfluoropentanoic acid (PFPeA)	400

Well	Analyte	Result (ng/L)
BCA-01	Perfluoroheptanoic acid (PFHpA)	4.6
BCA-01	Perfluorohexanoic acid (PFHxA)	7.4
BCA-01	Perfluoropentanoic acid (PFPeA)	350

Well	Analyte	Result (ng/L)
BCA-03	Perfluorobutanesulfonic acid (PFBS)	2.0
BCA-03	Perfluoroheptanoic acid (PFHpA)	71
BCA-03	Perfluorohexanesulfonic acid (PFHxS)	2.4
BCA-03	Perfluorohexanoic acid (PFHxA)	27
BCA-03	Perfluorooctanoic acid (PFOA)	11
BCA-03	Perfluoropentanoic acid (PFPeA)	410

Well	Analyte	Result (ng/L)
BCA-02	Perfluorobutanesulfonic acid (PFBS)	4.0
BCA-02	Perfluoroheptanoic acid (PFHpA)	39
BCA-02	Perfluorohexanesulfonic acid (PFHxS)	5.3
BCA-02	Perfluorohexanoic acid (PFHxA)	24
BCA-02	Perfluorononanoic acid (PFNA)	10
BCA-02	Perfluorooctanesulfonic acid (PFOS)	3.7
BCA-02	Perfluorooctanoic acid (PFOA)	25
BCA-02	Perfluoropentanoic acid (PFPeA)	150

Well	Analyte	Result (ng/L)
LTW-02	Perfluoroheptanoic acid (PFHpA)	10
LTW-02	Perfluorohexanoic acid (PFHxA)	8.1
LTW-02	Perfluoropentanoic acid (PFPeA)	240

Well	Analyte	Result (ng/L)
LTW-03	Perfluoroheptanoic acid (PFHpA)	18
LTW-03	Perfluorohexanoic acid (PFHxA)	15
LTW-03	Perfluoropentanoic acid (PFPeA)	610

Well	Analyte	Result (ng/L)
LTW-04	Perfluoroheptanoic acid (PFHpA)	82
LTW-04	Perfluorohexanoic acid (PFHxA)	43
LTW-04	Perfluorooctanoic acid (PFOA)	7.2
LTW-04	Perfluoropentanoic acid (PFPeA)	1,800

Well	Analyte	Result (ng/L)
LTW-05	Perfluoroheptanoic acid (PFHpA)	550
LTW-05	Perfluorohexanoic acid (PFHxA)	170
LTW-05	Perfluorooctanoic acid (PFOA)	3.0
LTW-05	Perfluoropentanoic acid (PFPeA)	3,900

Black Creek Aquifer Wells
NE – Perched Zone clay lens does not exist
Plant Border
ns=not sampled
values reported in ng/L
ND – Non-detect for constituents

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Black Creek Aquifer List 1 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal
Date: 3/19/2018
File Project Number: 449338.01050
Revision: 1
Figure Number: 12a
Name: BlackCreekAquifer_PFAS

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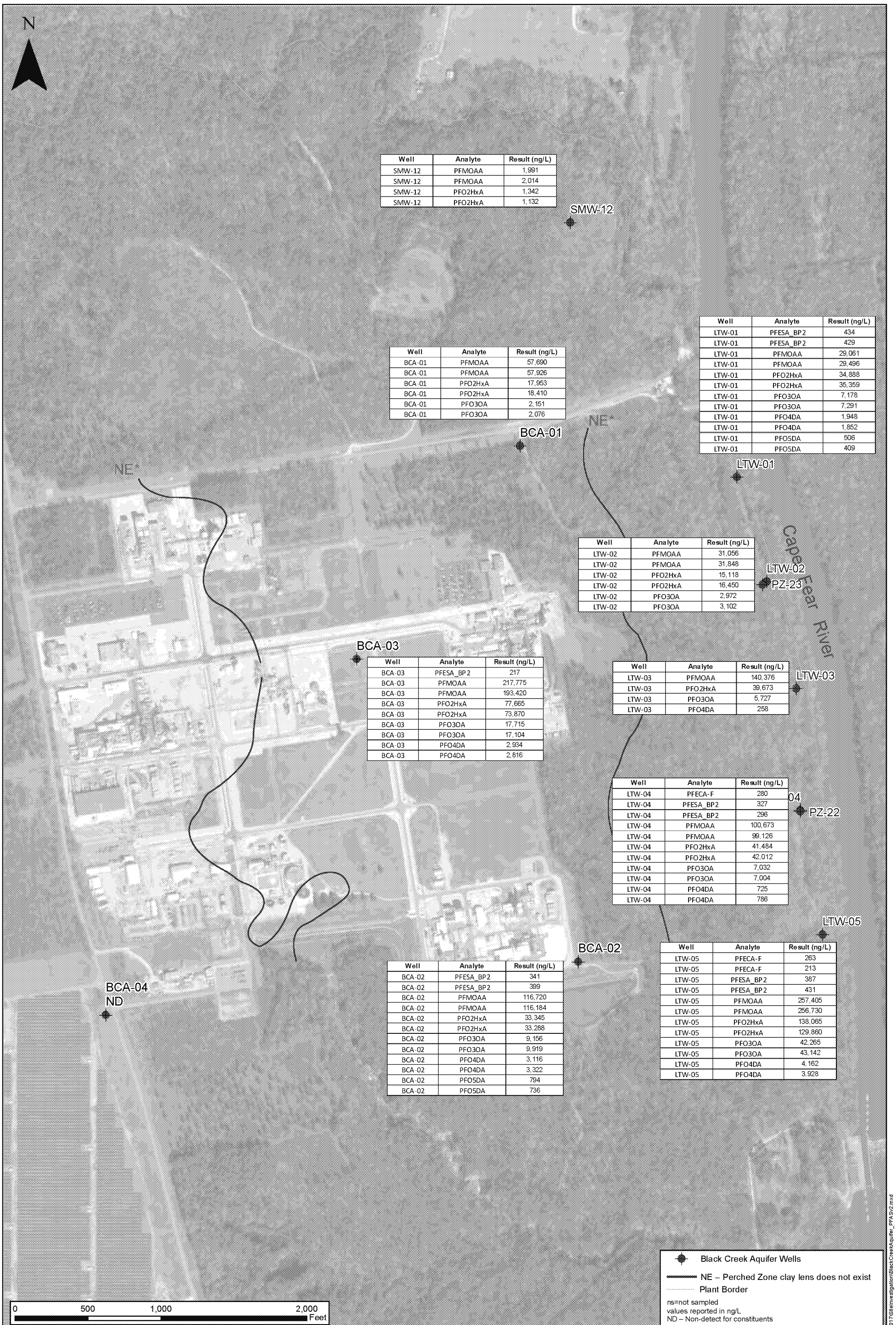

Well	Analyte	Result (ng/L)
SMW-12	PFMOAA	1,991
SMW-12	PFMOAA	2,014
SMW-12	PFO2HxA	1,342
SMW-12	PFO2HxA	1,132

Well	Analyte	Result (ng/L)
BCA-01	PFMOAA	57,690
BCA-01	PFMOAA	57,926
BCA-01	PFO2HxA	17,953
BCA-01	PFO2HxA	18,410
BCA-01	PFO3OA	2,151
BCA-01	PFO3OA	2,076

Well	Analyte	Result (ng/L)
LTW-01	PFESA_BP2	434
LTW-01	PFESA_BP2	429
LTW-01	PFMOAA	29,061
LTW-01	PFMOAA	29,496
LTW-01	PFO2HxA	34,888
LTW-01	PFO2HxA	35,359
LTW-01	PFO3OA	7,178
LTW-01	PFO3OA	7,291
LTW-01	PFO4DA	1,948
LTW-01	PFO4DA	1,852
LTW-01	PFO5DA	506
LTW-01	PFO5DA	409

Well	Analyte	Result (ng/L)
LTW-02	PFMOAA	31,056
LTW-02	PFMOAA	31,848
LTW-02	PFO2HxA	15,118
LTW-02	PFO2HxA	16,450
LTW-02	PFO3OA	2,972
LTW-02	PFO3OA	3,102

Well	Analyte	Result (ng/L)
BCA-03	PFESA_BP2	217
BCA-03	PFMOAA	217,775
BCA-03	PFMOAA	193,420
BCA-03	PFO2HxA	77,665
BCA-03	PFO2HxA	73,870
BCA-03	PFO3OA	17,715
BCA-03	PFO3OA	17,104
BCA-03	PFO4DA	2,934
BCA-03	PFO4DA	2,816

Well	Analyte	Result (ng/L)
LTW-03	PFMOAA	140,376
LTW-03	PFO2HxA	39,673
LTW-03	PFO3OA	5,727
LTW-03	PFO4DA	258

Well	Analyte	Result (ng/L)
LTW-04	PFECA-F	280
LTW-04	PFESA_BP2	327
LTW-04	PFESA_BP2	296
LTW-04	PFMOAA	100,673
LTW-04	PFMOAA	99,126
LTW-04	PFO2HxA	41,484
LTW-04	PFO2HxA	42,012
LTW-04	PFO3OA	7,032
LTW-04	PFO3OA	7,004
LTW-04	PFO4DA	725
LTW-04	PFO4DA	786

Well	Analyte	Result (ng/L)
BCA-02	PFESA_BP2	341
BCA-02	PFESA_BP2	399
BCA-02	PFMOAA	116,720
BCA-02	PFMOAA	116,184
BCA-02	PFO2HxA	33,345
BCA-02	PFO2HxA	33,288
BCA-02	PFO3OA	9,156
BCA-02	PFO3OA	9,919
BCA-02	PFO4DA	3,116
BCA-02	PFO4DA	3,322
BCA-02	PFO5DA	794
BCA-02	PFO5DA	736

Well	Analyte	Result (ng/L)
LTW-05	PFECA-F	263
LTW-05	PFECA-F	213
LTW-05	PFESA_BP2	387
LTW-05	PFESA_BP2	431
LTW-05	PFMOAA	257,405
LTW-05	PFMOAA	256,730
LTW-05	PFO2HxA	138,065
LTW-05	PFO2HxA	129,860
LTW-05	PFO3OA	42,265
LTW-05	PFO3OA	43,142
LTW-05	PFO4DA	4,162
LTW-05	PFO4DA	3,928

Black Creek Aquifer Wells

NE – Perched Zone clay lens does not exist

Plant Border

ns=not sampled
values reported in ng/L
ND – Non-detect for constituents

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Black Creek Aquifer List 2 PFAS Detected Concentrations
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/19/2018	449338.01050
Revision: 1	Figure Number: 12b	

Name: BlackCreekAquifer_PFASv2

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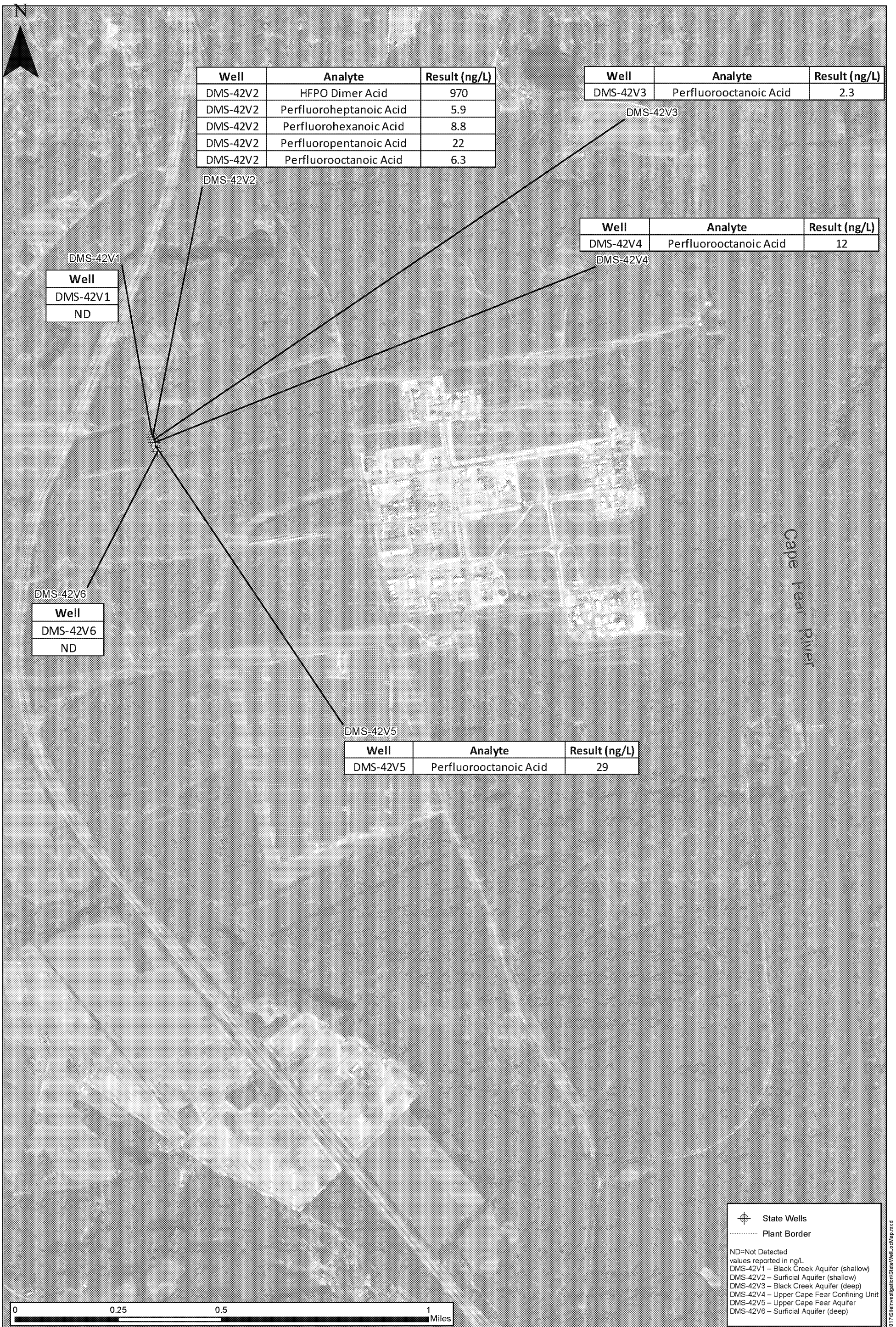

Well	Analyte	Result (ng/L)
DMS-42V2	HFPO Dimer Acid	970
DMS-42V2	Perfluoroheptanoic Acid	5.9
DMS-42V2	Perfluorohexanoic Acid	8.8
DMS-42V2	Perfluoropentanoic Acid	22
DMS-42V2	Perfluorooctanoic Acid	6.3

Well	Analyte	Result (ng/L)
DMS-42V3	Perfluorooctanoic Acid	2.3

Well	Analyte	Result (ng/L)
DMS-42V4	Perfluorooctanoic Acid	12

Well
DMS-42V1
ND

Well
DMS-42V6
ND

Well	Analyte	Result (ng/L)
DMS-42V5	Perfluorooctanoic Acid	29

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State Wells Location Map with List 1 and List 2-PFAS Detections
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal	Date: 3/27/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 13	
Name: StateWellLocMap		

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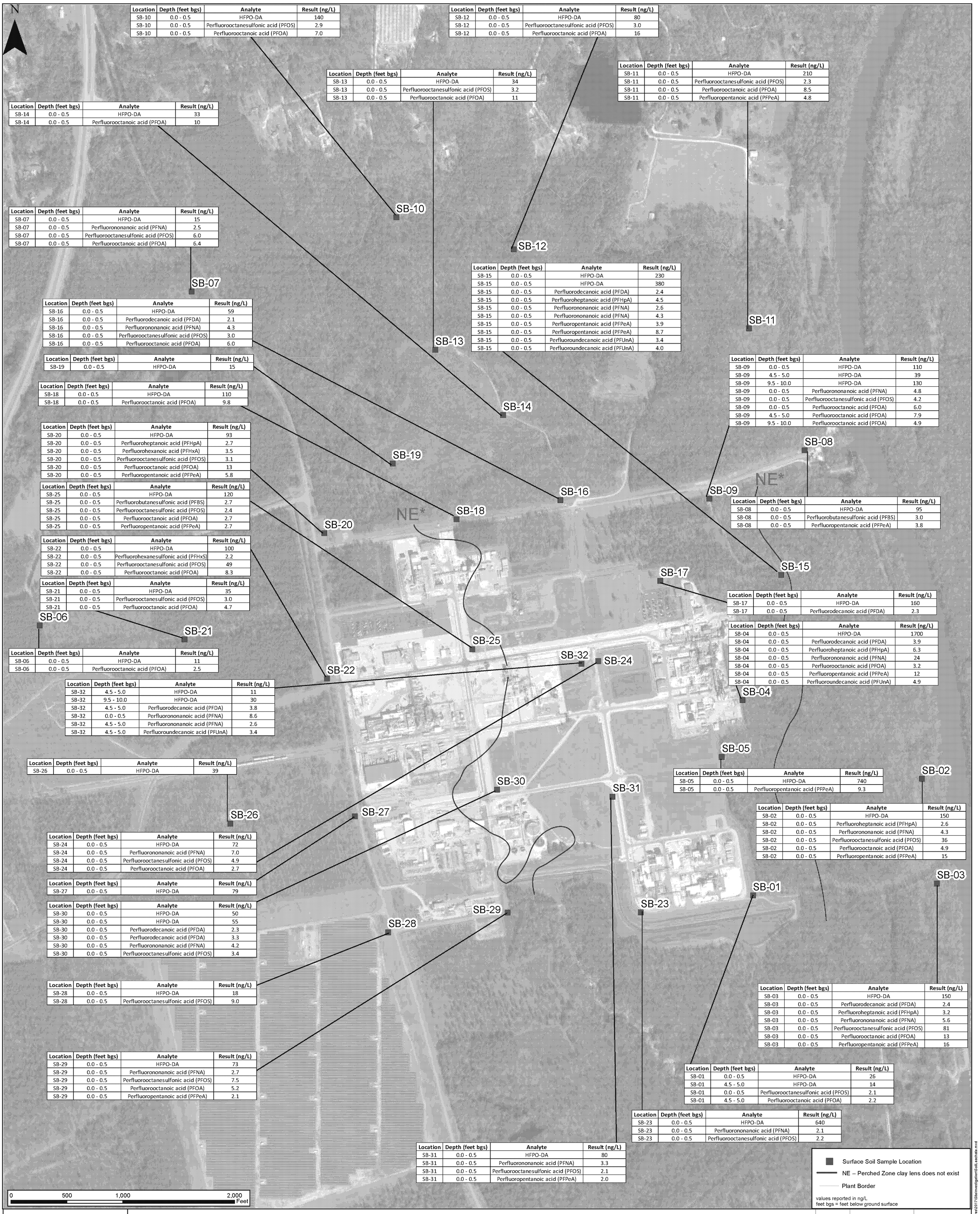

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-10	0.0 - 0.5	HFPO-DA	140
SB-10	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.9
SB-10	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	7.0

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-12	0.0 - 0.5	HFPO-DA	80
SB-12	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.0
SB-12	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	16

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-13	0.0 - 0.5	HFPO-DA	34
SB-13	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.2
SB-13	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	11

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-11	0.0 - 0.5	HFPO-DA	210
SB-11	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.3
SB-11	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	8.5
SB-11	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	4.8

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-14	0.0 - 0.5	HFPO-DA	33
SB-14	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	10

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-07	0.0 - 0.5	HFPO-DA	15
SB-07	0.0 - 0.5	Perfluorononanoic acid (PFNA)	2.5
SB-07	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	6.0
SB-07	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	6.4

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-15	0.0 - 0.5	HFPO-DA	230
SB-15	0.0 - 0.5	HFPO-DA	380
SB-15	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	2.4
SB-15	0.0 - 0.5	Perfluoroheptanoic acid (PFHpA)	4.5
SB-15	0.0 - 0.5	Perfluorononanoic acid (PFNA)	2.6
SB-15	0.0 - 0.5	Perfluorononanoic acid (PFNA)	4.3
SB-15	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	3.9
SB-15	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	8.7
SB-15	0.0 - 0.5	Perfluoroundecanoic acid (PFUnA)	3.4
SB-15	0.0 - 0.5	Perfluoroundecanoic acid (PFUnA)	4.0

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-16	0.0 - 0.5	HFPO-DA	59
SB-16	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	2.1
SB-16	0.0 - 0.5	Perfluorononanoic acid (PFNA)	4.3
SB-16	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.0
SB-16	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	6.0

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-19	0.0 - 0.5	HFPO-DA	15

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-18	0.0 - 0.5	HFPO-DA	110
SB-18	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	9.8

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-09	0.0 - 0.5	HFPO-DA	110
SB-09	4.5 - 5.0	HFPO-DA	39
SB-09	9.5 - 10.0	HFPO-DA	130
SB-09	0.0 - 0.5	Perfluorononanoic acid (PFNA)	4.8
SB-09	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	4.2
SB-09	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	6.0
SB-09	4.5 - 5.0	Perfluorooctanoic acid (PFOA)	7.9
SB-09	9.5 - 10.0	Perfluorooctanoic acid (PFOA)	4.9

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-20	0.0 - 0.5	HFPO-DA	93
SB-20	0.0 - 0.5	Perfluoroheptanoic acid (PFHpA)	2.7
SB-20	0.0 - 0.5	Perfluorohexanoic acid (PFHxA)	3.5
SB-20	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.1
SB-20	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	13
SB-20	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	5.8

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-08	0.0 - 0.5	HFPO-DA	95
SB-08	0.0 - 0.5	Perfluorobutanesulfonic acid (PFBS)	3.0
SB-08	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	3.8

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-25	0.0 - 0.5	HFPO-DA	120
SB-25	0.0 - 0.5	Perfluorobutanesulfonic acid (PFBS)	2.7
SB-25	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.4
SB-25	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	2.7
SB-25	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	2.7

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-22	0.0 - 0.5	HFPO-DA	100
SB-22	0.0 - 0.5	Perfluorohexanesulfonic acid (PFHxS)	2.2
SB-22	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	49
SB-22	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	8.3

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-21	0.0 - 0.5	HFPO-DA	35
SB-21	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.0
SB-21	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	4.7

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-17	0.0 - 0.5	HFPO-DA	160
SB-17	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	2.3

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-04	0.0 - 0.5	HFPO-DA	1700
SB-04	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	3.9
SB-04	0.0 - 0.5	Perfluoroheptanoic acid (PFHpA)	6.3
SB-04	0.0 - 0.5	Perfluorononanoic acid (PFNA)	24
SB-04	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	3.2
SB-04	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	12
SB-04	0.0 - 0.5	Perfluoroundecanoic acid (PFUnA)	4.9

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-06	0.0 - 0.5	HFPO-DA	11
SB-06	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	2.5

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-32	4.5 - 5.0	HFPO-DA	11
SB-32	9.5 - 10.0	HFPO-DA	30
SB-32	4.5 - 5.0	Perfluorodecanoic acid (PFDA)	3.8
SB-32	0.0 - 0.5	Perfluorononanoic acid (PFNA)	8.6
SB-32	4.5 - 5.0	Perfluorononanoic acid (PFNA)	2.6
SB-32	4.5 - 5.0	Perfluoroundecanoic acid (PFUnA)	3.4

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-05	0.0 - 0.5	HFPO-DA	740
SB-05	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	9.3

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-26	0.0 - 0.5	HFPO-DA	39

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-02	0.0 - 0.5	HFPO-DA	150
SB-02	0.0 - 0.5	Perfluoroheptanoic acid (PFHpA)	2.6
SB-02	0.0 - 0.5	Perfluorononanoic acid (PFNA)	4.3
SB-02	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	36
SB-02	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	4.9
SB-02	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	15

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-24	0.0 - 0.5	HFPO-DA	72
SB-24	0.0 - 0.5	Perfluorononanoic acid (PFNA)	7.0
SB-24	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	4.9
SB-24	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	2.7

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-27	0.0 - 0.5	HFPO-DA	79

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-30	0.0 - 0.5	HFPO-DA	50
SB-30	0.0 - 0.5	HFPO-DA	55
SB-30	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	2.3
SB-30	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	3.3
SB-30	0.0 - 0.5	Perfluorononanoic acid (PFNA)	4.2
SB-30	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	3.4

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-03	0.0 - 0.5	HFPO-DA	150
SB-03	0.0 - 0.5	Perfluorodecanoic acid (PFDA)	2.4
SB-03	0.0 - 0.5	Perfluoroheptanoic acid (PFHpA)	3.2
SB-03	0.0 - 0.5	Perfluorononanoic acid (PFNA)	5.6
SB-03	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	81
SB-03	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	13
SB-03	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	16

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-28	0.0 - 0.5	HFPO-DA	18
SB-28	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	9.0

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-29	0.0 - 0.5	HFPO-DA	73
SB-29	0.0 - 0.5	Perfluorononanoic acid (PFNA)	2.7
SB-29	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	7.5
SB-29	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	5.2
SB-29	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	2.1

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-01	0.0 - 0.5	HFPO-DA	26
SB-01	4.5 - 5.0	HFPO-DA	14
SB-01	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.1
SB-01	4.5 - 5.0	Perfluorooctanoic acid (PFOA)	2.2

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-23	0.0 - 0.5	HFPO-DA	640
SB-23	0.0 - 0.5	Perfluorononanoic acid (PFNA)	2.1
SB-23	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.2

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-31	0.0 - 0.5	HFPO-DA	80
SB-31	0.0 - 0.5	Perfluorononanoic acid (PFNA)	3.3
SB-31	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	2.1
SB-31	0.0 - 0.5	Perfluoropentanoic acid (PFPeA)	2.0

Surface Soil Sample Location

NE – Perched Zone clay lens does not exist

Plant Border

values reported in ng/L
feet bgs = feet below ground surface

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Leachable HFPO-DA and List 1 PFAS Detected Concentrations in Surface Soil
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal
Date: 3/19/2018
File Project Number: 449338.01050
Revision: 1
Figure Number: 14a
Name: SoilLeachate

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Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-10	0.0 - 0.5	PFO2HxA	217.3 J
SB-10	0.0 - 0.5	PFO2HxA	236.9 J
SB-10	0.0 - 0.5	PFO2HxA	258.4 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-12	0.0 - 0.5	PFMOAA	673.6 J
SB-12	0.0 - 0.5	PFO2HxA	300.3 J
SB-12	0.0 - 0.5	PFO2HxA	317.5 J
SB-12	0.0 - 0.5	PFO2HxA	354.3 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-09	0.0 - 0.5	PFO2HxA	346.9 J
SB-09	0.0 - 0.5	PFO2HxA	364.7 J
SB-09	0.0 - 0.5	PFO2HxA	506.7 J
SB-09	0.0 - 0.5	PFO5DA	266.7 J
SB-09	0.0 - 0.5	PFO5DA	301.9 J
SB-09	0.0 - 0.5	PFO5DA	356.1 J
SB-09	4.5 - 5.0	PFMOAA	208.7 J
SB-09	4.5 - 5.0	PFMOAA	216.7 J
SB-09	4.5 - 5.0	PFMOAA	284.8 J
SB-09	4.5 - 5.0	PFO2HxA	318.5 J
SB-09	4.5 - 5.0	PFO2HxA	369.6 J
SB-09	4.5 - 5.0	PFO2HxA	449.6 J
SB-09	4.5 - 5.0	PFO5DA	200.6 J
SB-09	4.5 - 5.0	PFO5DA	224.3 J
SB-09	9.5 - 10.0	PFMOAA	667 J
SB-09	9.5 - 10.0	PFO2HxA	1640.1 J
SB-09	9.5 - 10.0	PFO2HxA	406.8 J
SB-09	9.5 - 10.0	PFO2HxA	592.9 J
SB-09	9.5 - 10.0	PFO3OA	352.9 J
SB-09	9.5 - 10.0	PFO4DA	574.9 J
SB-09	9.5 - 10.0	PFO5DA	984.1 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-13	0.0 - 0.5	PFMOAA	279.2 J
SB-13	0.0 - 0.5	PFO2HxA	253.3 J
SB-13	0.0 - 0.5	PFO2HxA	257 J
SB-13	0.0 - 0.5	PFO2HxA	719.5 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-14	0.0 - 0.5	PFO2HxA	220.1 J
SB-14	0.0 - 0.5	PFO2HxA	228.1 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-11	0.0 - 0.5	PFMOAA	217.9 J
SB-11	0.0 - 0.5	PFMOAA	261 J
SB-11	0.0 - 0.5	PFO2HxA	753.5 J
SB-11	0.0 - 0.5	PFO2HxA	848 J
SB-11	0.0 - 0.5	PFO2HxA	891.8 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-16	0.0 - 0.5	PFO2HxA	277.1 J
SB-16	0.0 - 0.5	PFO2HxA	313.5 J
SB-16	0.0 - 0.5	PFO5DA	212.8 J
SB-16	0.0 - 0.5	PFO5DA	220.9 J
SB-16	0.0 - 0.5	PFO5DA	282.1 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-15	0.0 - 0.5	PFMOAA	633 J
SB-15	0.0 - 0.5	PFMOAA	634.4 J
SB-15	0.0 - 0.5	PFMOAA	823.6 J
SB-15	0.0 - 0.5	PFO2HxA	1226.8 J
SB-15	0.0 - 0.5	PFO2HxA	1286.5 J
SB-15	0.0 - 0.5	PFO2HxA	1509.6 J
SB-15	0.0 - 0.5	PFO3OA	225.6 J
SB-15	0.0 - 0.5	PFO3OA	230.9 J
SB-15	0.0 - 0.5	PFO4DA	215.5 J
SB-15	0.0 - 0.5	PFO5DA	539.8 J
SB-15	0.0 - 0.5	PFO5DA	623.8 J
SB-15	0.0 - 0.5	PFO5DA	649.6 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-19	0.0 - 0.5	PFESA_BP2	316 J
SB-19	0.0 - 0.5	PFMOAA	334.1 J
SB-19	0.0 - 0.5	PFO2HxA	1243.3 J
SB-19	0.0 - 0.5	PFO3OA	383.5 J
SB-19	0.0 - 0.5	PFO4DA	263.7 J
SB-19	0.0 - 0.5	PFO5DA	268.1 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-18	0.0 - 0.5	PFO2HxA	234.1 J
SB-18	0.0 - 0.5	PFO2HxA	262 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-20	0.0 - 0.5	PFO2HxA	205.9 J
SB-20	0.0 - 0.5	PFO2HxA	270.3 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-25	0.0 - 0.5	PFMOAA	205.3 J
SB-25	0.0 - 0.5	PFMOAA	272.6 J
SB-25	0.0 - 0.5	PFO2HxA	321 J
SB-25	0.0 - 0.5	PFO2HxA	483 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-22	0.0 - 0.5	PFO2HxA	222.5 J
SB-22	0.0 - 0.5	PFO2HxA	298.3 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-08	0.0 - 0.5	PFMOAA	339.5 J
SB-08	0.0 - 0.5	PFMOAA	731.9 J
SB-08	0.0 - 0.5	PFO2HxA	3013.6 J
SB-08	0.0 - 0.5	PFO2HxA	472.2 J
SB-08	0.0 - 0.5	PFO2HxA	721.7 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-04	0.0 - 0.5	PFMOAA	353 J
SB-04	0.0 - 0.5	PFO2HxA	441.4 J
SB-04	0.0 - 0.5	PFO2HxA	461 J
SB-04	0.0 - 0.5	PFO2HxA	746.6 J
SB-04	0.0 - 0.5	PFO3OA	669.1 J
SB-04	0.0 - 0.5	PFO4DA	205.2 J
SB-04	0.0 - 0.5	PFO5DA	417.4 J
SB-04	0.0 - 0.5	PFO5DA	456.6 J
SB-04	0.0 - 0.5	PFO5DA	485 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-17	0.0 - 0.5	PFO2HxA	352.6 J
SB-17	0.0 - 0.5	PFO2HxA	376.4 J
SB-17	0.0 - 0.5	PFO2HxA	505.7 J
SB-17	0.0 - 0.5	PFO5DA	258.2 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-05	0.0 - 0.5	PFMOAA	247.9 J
SB-05	0.0 - 0.5	PFMOAA	269.7 J
SB-05	0.0 - 0.5	PFMOAA	314.3 J
SB-05	0.0 - 0.5	PFO2HxA	1086.5 J
SB-05	0.0 - 0.5	PFO2HxA	873.1 J
SB-05	0.0 - 0.5	PFO2HxA	963.9 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-32	0.0 - 0.5	PFMOAA	444 J
SB-32	0.0 - 0.5	PFO2HxA	274.8 J
SB-32	0.0 - 0.5	PFO2HxA	319.5 J
SB-32	0.0 - 0.5	PFO2HxA	377.3 J
SB-32	0.0 - 0.5	PFO5DA	215.7 J
SB-32	0.0 - 0.5	PFO5DA	284.6 J
SB-32	0.0 - 0.5	PFO5DA	347.8 J
SB-32	4.5 - 5.0	PFMOAA	380.4 J
SB-32	4.5 - 5.0	PFO2HxA	1996.5 J
SB-32	4.5 - 5.0	PFO2HxA	340.7 J
SB-32	4.5 - 5.0	PFO2HxA	537 J
SB-32	4.5 - 5.0	PFO3OA	512.7 J
SB-32	4.5 - 5.0	PFO4DA	407.7 J
SB-32	4.5 - 5.0	PFO5DA	406 J
SB-32	9.5 - 10.0	PFMOAA	282.6 J
SB-32	9.5 - 10.0	PFMOAA	353.3 J
SB-32	9.5 - 10.0	PFMOAA	431 J
SB-32	9.5 - 10.0	PFO2HxA	354.7 J
SB-32	9.5 - 10.0	PFO2HxA	488.6 J
SB-32	9.5 - 10.0	PFO2HxA	553.3 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-02	0.0 - 0.5	PFMOAA	482.2 J
SB-02	0.0 - 0.5	PFMOAA	524.4 J
SB-02	0.0 - 0.5	PFMOAA	568.2 J
SB-02	0.0 - 0.5	PFO2HxA	768.5 J
SB-02	0.0 - 0.5	PFO2HxA	805.3 J
SB-02	0.0 - 0.5	PFO2HxA	840.2 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-21	0.0 - 0.5	PFMOAA	223.7 J
SB-21	0.0 - 0.5	PFO2HxA	331.5 J
SB-21	0.0 - 0.5	PFO2HxA	819.7 J
SB-21	0.0 - 0.5	PFO3OA	344.1 J
SB-21	0.0 - 0.5	PFO4DA	329.8 J
SB-21	0.0 - 0.5	PFO5DA	502.7 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-26	0.0 - 0.5	PFO2HxA	302 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-24	0.0 - 0.5	PFMOAA	312.2 J
SB-24	0.0 - 0.5	PFMOAA	395 J
SB-24	0.0 - 0.5	PFO2HxA	295.8 J
SB-24	0.0 - 0.5	PFO2HxA	520.5 J
SB-24	0.0 - 0.5	PFO2HxA	619.7 J
SB-24	0.0 - 0.5	PFO3OA	215.5 J
SB-24	0.0 - 0.5	PFO5DA	344.3 J
SB-24	0.0 - 0.5	PFO5DA	379.5 J
SB-24	0.0 - 0.5	PFO5DA	461.5 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-30	0.0 - 0.5	PFO2HxA	391.2 J
SB-30	0.0 - 0.5	PFO2HxA	457.4 J
SB-30	0.0 - 0.5	PFO2HxA	462 J
SB-30	0.0 - 0.5	PFO5DA	278.2 J
SB-30	0.0 - 0.5	PFO5DA	355.4 J
SB-30	0.0 - 0.5	PFO5DA	395.6 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-28	0.0 - 0.5	PFO2HxA	293.1 J
SB-28	0.0 - 0.5	PFO2HxA	456.9 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-29	0.0 - 0.5	PFMOAA	320.1 J
SB-29	0.0 - 0.5	PFO2HxA	462.5 J
SB-29	0.0 - 0.5	PFO2HxA	494.6 J
SB-29	0.0 - 0.5	PFO2HxA	695.3 J
SB-29	0.0 - 0.5	PFO5DA	201.3 J
SB-29	0.0 - 0.5	PFO5DA	346.6 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-31	0.0 - 0.5	PFMOAA	220 J
SB-31	0.0 - 0.5	PFMOAA	303 J
SB-31	0.0 - 0.5	PFMOAA	472.8 J
SB-31	0.0 - 0.5	PFO2HxA	1024.3 J
SB-31	0.0 - 0.5	PFO2HxA	657.2 J
SB-31	0.0 - 0.5	PFO2HxA	756.3 J
SB-31	0.0 - 0.5	PFO5DA	354.7 J
SB-31	0.0 - 0.5	PFO5DA	389 J
SB-31	0.0 - 0.5	PFO5DA	461.2 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-23	0.0 - 0.5	PFESA_BP2	417.5 J
SB-23	0.0 - 0.5	PFMOAA	216.6 J
SB-23	0.0 - 0.5	PFO2HxA	350.2 J
SB-23	0.0 - 0.5	PFO2HxA	737.4 J
SB-23	0.0 - 0.5	PFO4DA	200.7 J
SB-23	0.0 - 0.5	PFO5DA	258 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-03	0.0 - 0.5	PFMOAA	751.5 J
SB-03	0.0 - 0.5	PFMOAA	771.5 J
SB-03	0.0 - 0.5	PFMOAA	841.4 J
SB-03	0.0 - 0.5	PFO2HxA	797.8 J
SB-03	0.0 - 0.5	PFO2HxA	940 J
SB-03	0.0 - 0.5	PFO2HxA	941.1 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-01	0.0 - 0.5	PFO2HxA	211.9 J
SB-01	4.5 - 5.0	PFO2HxA	325.8 J
SB-01	4.5 - 5.0	PFO2HxA	355.3 J
SB-01	4.5 - 5.0	PFO2HxA	481.8 J
SB-01	9.5 - 10.0	PFMOAA	341.6 J
SB-01	9.5 - 10.0	PFO2HxA	271.8 J
SB-01	9.5 - 10.0	PFO2HxA	291.2 J
SB-01	9.5 - 10.0	PFO2HxA	330 J

Surface Soil Sample Location

NE – Perched Zone clay lens does not exist

Plant Border

values reported in ng/L
feet bgs = feet below ground surface
ND= not detected

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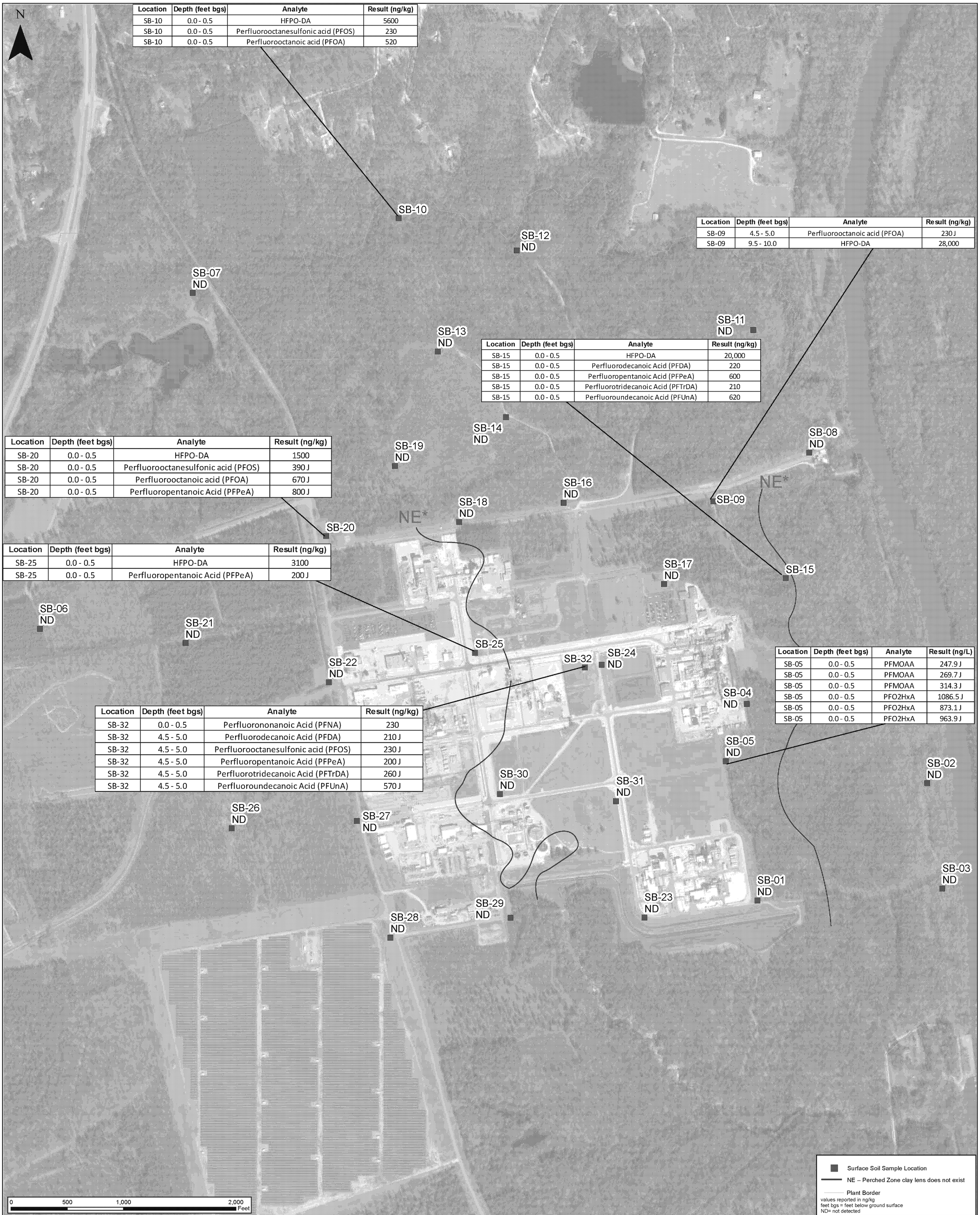
Leachable List 2 PFAS Detected Concentrations in Surface Soil
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/20/2018	449338.01050
Revision: 1	Figure Number: 14b	

Name: SoilLeachate_LIST2



Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-10	0.0 - 0.5	HFPO-DA	5600
SB-10	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	230
SB-10	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	520

Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-09	4.5 - 5.0	Perfluorooctanoic acid (PFOA)	230 J
SB-09	9.5 - 10.0	HFPO-DA	28,000

Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-15	0.0 - 0.5	HFPO-DA	20,000
SB-15	0.0 - 0.5	Perfluorodecanoic Acid (PFDA)	220
SB-15	0.0 - 0.5	Perfluoropentanoic Acid (PFPeA)	600
SB-15	0.0 - 0.5	Perfluorotridecanoic Acid (PFTrDA)	210
SB-15	0.0 - 0.5	Perfluoroundecanoic Acid (PFUnA)	620

Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-20	0.0 - 0.5	HFPO-DA	1500
SB-20	0.0 - 0.5	Perfluorooctanesulfonic acid (PFOS)	390 J
SB-20	0.0 - 0.5	Perfluorooctanoic acid (PFOA)	670 J
SB-20	0.0 - 0.5	Perfluoropentanoic Acid (PFPeA)	800 J

Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-25	0.0 - 0.5	HFPO-DA	3100
SB-25	0.0 - 0.5	Perfluoropentanoic Acid (PFPeA)	200 J

Location	Depth (feet bgs)	Analyte	Result (ng/L)
SB-05	0.0 - 0.5	PFMOAA	247.9 J
SB-05	0.0 - 0.5	PFMOAA	269.7 J
SB-05	0.0 - 0.5	PFMOAA	314.3 J
SB-05	0.0 - 0.5	PFO2HxA	1086.5 J
SB-05	0.0 - 0.5	PFO2HxA	873.1 J
SB-05	0.0 - 0.5	PFO2HxA	963.9 J

Location	Depth (feet bgs)	Analyte	Result (ng/kg)
SB-32	0.0 - 0.5	Perfluorononanoic Acid (PFNA)	230
SB-32	4.5 - 5.0	Perfluorodecanoic Acid (PFDA)	210 J
SB-32	4.5 - 5.0	Perfluorooctanesulfonic acid (PFOS)	230 J
SB-32	4.5 - 5.0	Perfluoropentanoic Acid (PFPeA)	200 J
SB-32	4.5 - 5.0	Perfluorotridecanoic Acid (PFTrDA)	260 J
SB-32	4.5 - 5.0	Perfluoroundecanoic Acid (PFUnA)	570 J

Surface Soil Sample Location

NE – Perched Zone clay lens does not exist

Plant Border

values reported in ng/kg
feet bgs = feet below ground surface
ND= not detected

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Total List 1 PFAS Detected Concentrations in Surface Soil
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn:	Date:	File Project Number:
C. Oneal	3/20/2018	449338.01050
Revision: 1	Figure Number: 14c	

Name: SoilLeachate_total_list

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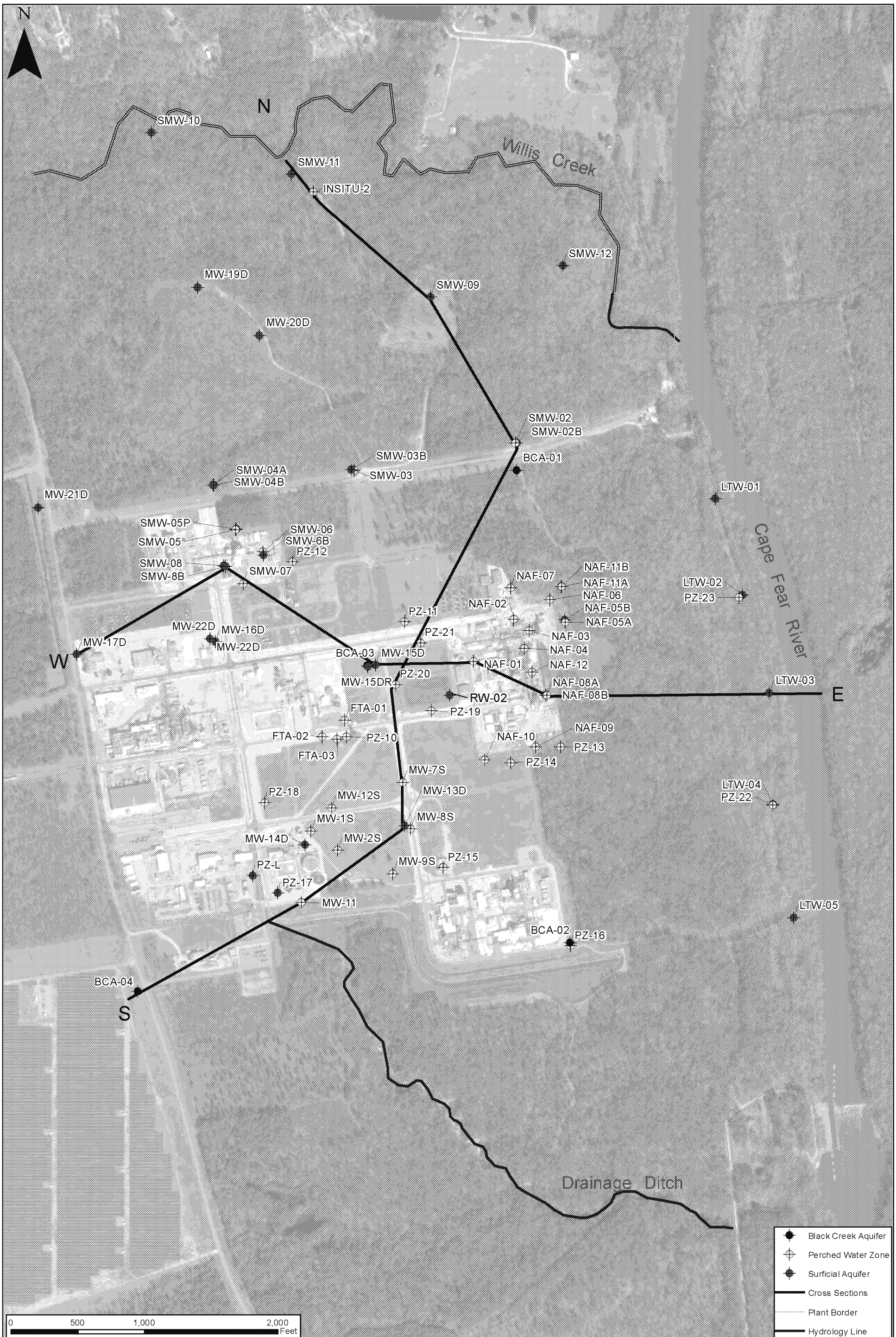

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Cross Section Location Map
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn: C. Oneal	Date: 1/9/2018	File Project Number: 449338.01050
Revision: 1	Figure Number: 15	
Name: Cross_Sections		

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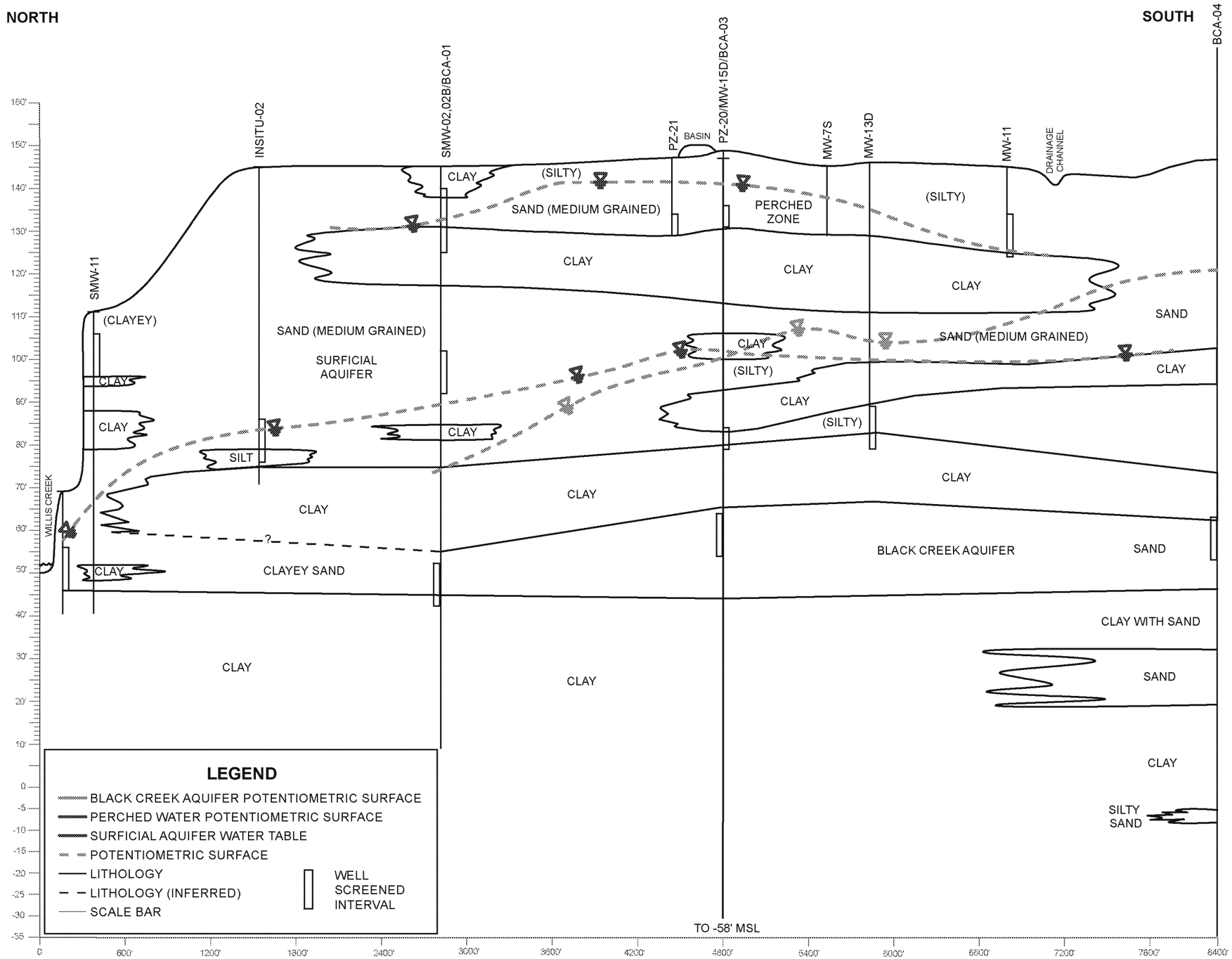

PARSONS

4701 Hedgemore Drive
Charlotte, NC 28209

Title:
North-South Cross Section Map (A-A')
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn/Approved: RAH	File Project Number: 449338.01050
Date: 3/26/2018	Figure Number: 16
Revised:	
File Name: North South Cross Section 01032018	

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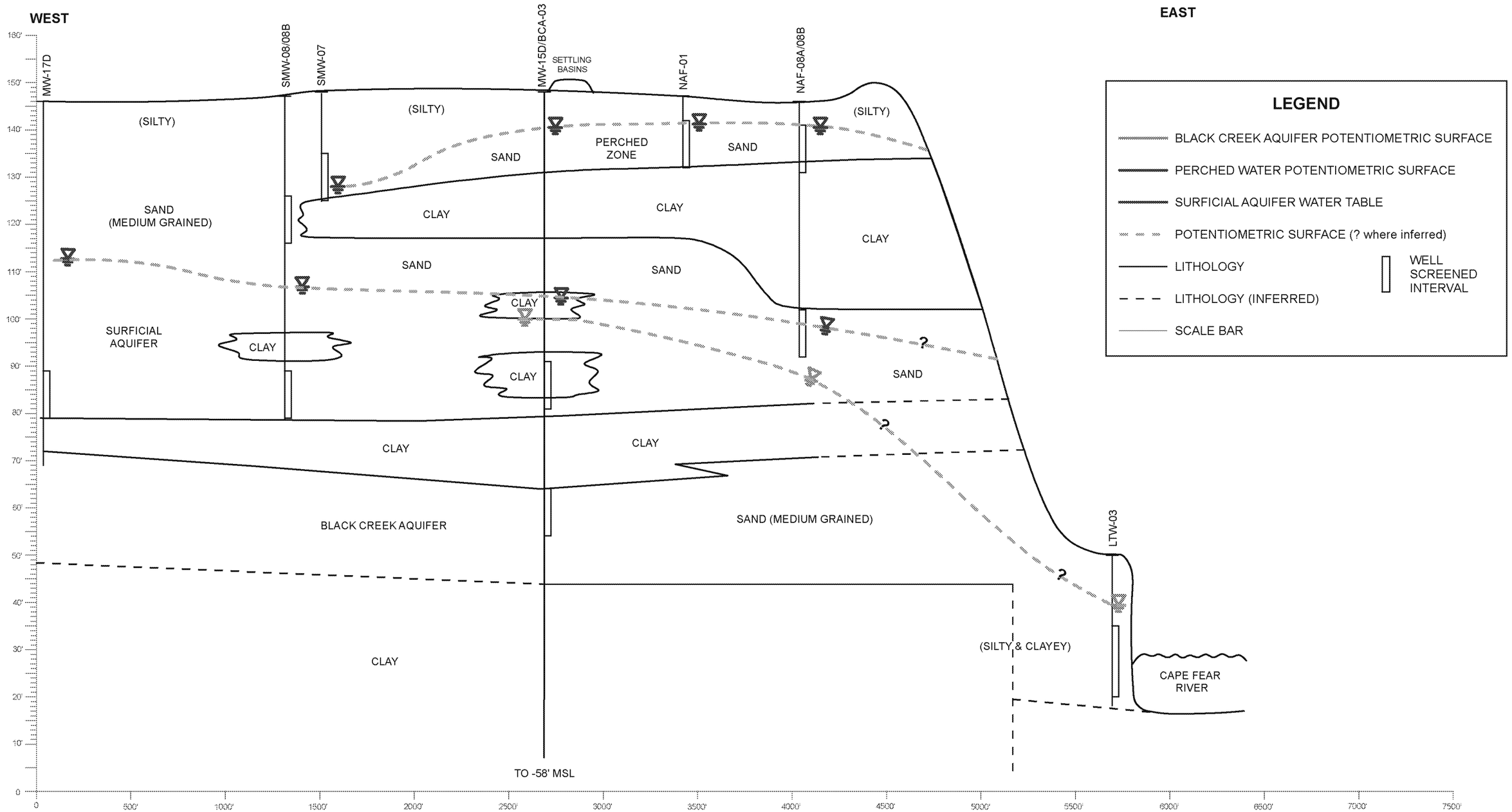

PARSONS

4701 Hedgemore Drive
Charlotte, NC 28209

Title:
West-East Cross Section Map (B-B')
Additional Site Investigation
Chemours Fayetteville Works
Fayetteville, North Carolina

Drawn/Approved: RAH	File Project Number: 449338.01050
Date: 3/26/2018	Figure Number: 17
Revised:	
File Name: West East Cross Section 01032018	

Path: F:\GIS\Fayetteville\Gis\Project_figures\Cross Sections\West East Cross Section 01032018.mxd

TABLES

TABLE 1

Target Compounds - List 1

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Analyte	Abbreviation	CAS Number
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	2991-50-6
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	2355-31-9
Perfluorobutanesulfonic acid (PFBS)	PFBS	375-73-5
Perfluorodecanoic acid (PFDA)	PFDA	335-76-2
Perfluorododecanoic acid (PFDoA)	PFDoA	307-55-1
Perfluoroheptanoic acid (PFHpA)	PFHpA	375-85-9
Perfluorohexanesulfonic acid (PFHxS)	PFHxS	355-46-4
Perfluorohexanoic acid (PFHxA)	PFHxA	307-24-4
Perfluorononanoic acid (PFNA)	PFNA	375-95-1
Perfluorooctanesulfonic acid (PFOS)	PFOS	1763-23-1
Perfluorooctanoic acid (PFOA)	PFOA	335-67-1
Perfluorotetradecanoic acid (PFTeA)	PFTA	376-06-7
Perfluorotridecanoic Acid (PFTriA)	PFTrDA	72629-94-8
Perfluoroundecanoic acid (PFUnA)	PFUnA	2058-94-8
Perfluoropentanoic acid (PFPeA)	PFPeA	2706-90-3
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6

TABLE 2

Target Compounds - List 2

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Compound Group	Analyte	Abbreviation	CAS Number
Monoether PFECAs	C3HF5O3	PFMOAA	674-13-5
	C5HF9O3	PFECA-A	863090-89-5
	C7HF13O3	PFECA-G	174767-10-3
	C4HF7O3	PFECA-F	377-73-1
Polyether PFECAs	C4HF7O4	PFO2HxA	39492-88-1
	C5HF9O5	PFO3OA	39492-89-2
	C6HF11O6	PFO4DA	39492-90-5
	C7HF13O7	PFO5DA	39492-91-6
PFESAs	C7H2F14O5S	PFESA Byproduct 2	749836-20-2
	C7HF13O5S	PFESA Byproduct 1	66796-30-3

TABLE 3

Monitoring Well Gauging Results

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Date Measured	Measuring Point Elevation (ft MSL)	Depth to Water from Top of Casing (feet)	Groundwater Elevation (ft MSL)	Screened Interval (ft bgs)	Hydrogeologic Unit
BCA-01	12/14/2017	146.297	59.57	86.73	91 - 101	Black Creek Aquifer
BCA-02	12/14/2017	148.421	74.67	73.75	92 - 102	Black Creek Aquifer
BCA-03	12/14/2017	150.579	49.51	101.07	93 - 103	Black Creek Aquifer
BCA-04	12/14/2017	150.241	30.05	120.19	94 - 104	Black Creek Aquifer
DMS-42V1	12/4/2017	154.36	23.73	130.63	115 - 125	Black Creek Aquifer
DMS-42V2	12/4/2017	154.03	19.52	134.51	20 - 30	Surficial Aquifer
DMS-42V3	12/4/2017	154.24	23.68	130.56	182 - 192	Black Creek Aquifer
DMS-42V4	12/4/2017	154.16	178.7	-24.54	253 - 263	Upper Cape Fear Confining Unit
DMS-42V5	12/4/2017	153.86	205.01	-51.15	310 - 320	Upper Cape Fear
DMS-42V6	12/4/2017	153.73	19.56	134.17	80 - 90	Surficial Aquifer
FTA-01	12/14/2017	150.63	16.07	134.56	12 - 22	Perched Zone
FTA-02	12/14/2017	150.28	17.72	132.56	11.5 - 21.5	Perched Zone
FTA-03	12/14/2017	151.08	17.75	133.33	12 - 22	Perched Zone
INSITU-1	12/14/2017	118.20	9.41	108.79	7 - 17	Surficial Aquifer
INSITU-2	12/14/2017	113.12	dry	< 92.88	7 - 17	Surficial Aquifer
LTW-01	12/14/2017	53.83	16.41	37.42	11 - 26	Black Creek Aquifer
LTW-02	12/14/2017	52.48	9.81	42.67	28 - 38	Black Creek Aquifer
LTW-03	12/14/2017	52.91	12.73	40.18	15 - 30	Black Creek Aquifer
LTW-04	12/14/2017	51.86	9.86	42.00	12 - 27	Black Creek Aquifer
LTW-05	12/14/2017	52.01	9.99	42.02	29 - 44	Black Creek Aquifer
MW-11	12/14/2017	148.53	dry	dry	11.5 - 21.5	Perched Zone
MW-12S	12/14/2017	152.06	20.79	131.27	17.5 - 22.5	Perched Zone
MW-13D	12/14/2017	148.65	45.06	103.59	57 - 67	Surficial Aquifer
MW-14D	12/14/2017	149.73	41.06	108.67	62 - 72	Surficial Aquifer
MW-15DR	12/14/2017	150.361	46.14	104.22	47 - 57	Surficial Aquifer

TABLE 3
Monitoring Well Gauging Results
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Date Measured	Measuring Point Elevation (ft MSL)	Depth to Water from Top of Casing (feet)	Groundwater Elevation (ft MSL)	Screened Interval (ft bgs)	Hydrogeologic Unit
MW-16D	12/14/2017	148.41	36.62	111.79	72 - 82	Surficial Aquifer
MW-17D	12/14/2017	146.12	30.31	115.81	57 - 67	Surficial Aquifer
MW-18D	12/14/2017	107.574	20.86	86.71	50 - 60	Surficial Aquifer
MW-19D	12/14/2017	139.55	51.98	87.57	46 - 56	Surficial Aquifer
MW-1S	12/14/2017	149.93	19.47	130.46	21 - 24	Perched Zone
MW-20D	12/14/2017	137.182	48.41	88.77	65 - 75	Surficial Aquifer
MW-21D	12/14/2017	151.384	46.40	104.98	72 - 82	Surficial Aquifer
MW-22D	12/14/2017	149.063	36.49	112.57	52 - 72	Surficial Aquifer
MW-2S	12/14/2017	149.91	19.89	130.02	19 - 23	Perched Zone
MW-7S	12/14/2017	147.47	11.49	135.98	---	Perched Zone
MW-8S	12/14/2017	146.48	12.21	134.27	---	Perched Zone
MW-9S	12/14/2017	154.39	21.43	132.96	17.5 - 22.5	Perched Zone
NAF-01	12/14/2017	149.66	8.38	141.28	5 - 15	Perched Zone
NAF-02	12/14/2017	150.31	9.70	140.61	5 - 15	Perched Zone
NAF-03	12/14/2017	148.10	10.13	137.97	5 - 15	Perched Zone
NAF-04	12/14/2017	150.44	7.31	143.13	5 - 15	Perched Zone
NAF-05A	12/14/2017	146.64	nm	na	---	Perched Zone
NAF-05B	12/14/2017	146.43	nm	na	---	Surficial Aquifer
NAF-06	12/14/2017	146.43	11.44	134.99	2.75 - 12.75	Perched Zone
NAF-07	12/14/2017	149.69	9.47	140.22	5.5 - 15.5	Perched Zone
NAF-08A	12/14/2017	148.82	9.05	139.77	5 - 15	Perched Zone
NAF-08B	12/14/2017	148.86	50.88	97.98	43.5 - 53.5	Surficial Aquifer
NAF-09	12/14/2017	149.29	12.56	136.73	7 - 17	Perched Zone
NAF-10	12/14/2017	150.00	12.87	137.13	8.25 - 18.25	Perched Zone
NAF-11A	12/14/2017	140.59	dry	dry	2.5 - 7.5	Perched Zone
NAF-11B	12/14/2017	140.74	46.80	93.94	33.5 - 43.5	Surficial Aquifer

TABLE 3

Monitoring Well Gauging Results

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Date Measured	Measuring Point Elevation (ft MSL)	Depth to Water from Top of Casing (feet)	Groundwater Elevation (ft MSL)	Screened Interval (ft bgs)	Hydrogeologic Unit
NAF-12	12/14/2017	145.79	7.04	138.75	18 - 23	Perched Zone
PZ-10	damaged	148.66	nm	na	15 - 20	Perched Zone
PZ-11	12/14/2047	151.03	12.67	138.36	15 - 20	Perched Zone
PZ-12	12/14/2047	150.91	19.26	131.65	15.1 - 20.1	Perched Zone
PZ-13	12/14/2047	149.20	12.12	137.08	7.1 - 12.1	Perched Zone
PZ-14	12/14/2047	148.38	12.51	135.87	9 - 14	Perched Zone
PZ-15	12/14/2047	148.79	17.10	131.69	10.2 - 15.2	Perched Zone
PZ-16	12/14/2047	149.11	14.05	135.06	9.2 - 14.2	Perched Zone
PZ-17	12/14/2047	150.08	dry	dry	21.1 - 26.1	Perched Zone
PZ-18	12/14/2047	150.83	21.31	129.52	19.1 - 24.1	Perched Zone
PZ-19	12/14/2047	150.62	12.15	138.47	11 - 16	Perched Zone
PZ-20	12/14/2047	152.03	12.57	139.46	13 - 18	Perched Zone
PZ-21	12/14/2047	149.21	8.70	140.51	13 - 18	Perched Zone
PZ-22	12/14/2047	51.81	7.86	43.95	36 - 46	Black Creek Aquifer
PZ-23	12/14/2047	53.66	7.03	46.63	47 - 52	Black Creek Aquifer
SMW-01	12/14/2047	150.45	13.41	137.04	5 - 15	Surficial Aquifer
SMW-02	12/14/2047	147.93	16.54	131.39	5 - 20	Perched Zone
SMW-02B	12/14/2047	145.21	dry	< 89.14	43 - 53	Surficial Aquifer
SMW-03	12/14/2047	151.09	dry	dry	10 - 20	Perched Zone
SMW-03B	12/14/2047	150.43	57.98	92.45	72 - 82	Surficial Aquifer
SMW-04A	12/14/2047	148.09	dry	< 110.86	19.5 - 34.5	Perched Zone
SMW-04B	12/14/2047	148.37	46.56	101.81	43 - 53	Surficial Aquifer
SMW-05	12/14/2047	148.10	dry	< 125.36	10 - 20	Perched Zone
SMW-05P	12/14/2047	149.32	45.16	104.16	45 - 60	Surficial Aquifer
SMW-06	12/14/2047	150.97	dry	< 126.18	12 - 22	Perched Zone
SMW-06B	12/14/2047	150.32	48.05	102.27	58 - 68	Surficial Aquifer

TABLE 3
Monitoring Well Gauging Results
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Date Measured	Measuring Point Elevation (ft MSL)	Depth to Water from Top of Casing (feet)	Groundwater Elevation (ft MSL)	Screened Interval (ft bgs)	Hydrogeologic Unit
SMW-07	12/14/2047	147.64	19.73	127.91	13 - 23	Perched Zone
SMW-08	12/14/2047	151.02	dry	dry	21 - 31	Perched Zone
SMW-08B	12/14/2047	148.81	41.63	107.18	58 - 68	Surficial Aquifer
SMW-09	12/14/2047	141.43	57.43	84.00	52 - 62	Surficial Aquifer
SMW-10	12/14/2047	76.26	29.51	46.75	39 - 49	Surficial Aquifer
SMW-11	12/14/2047	71.95	14.26	57.69	13 - 23	Surficial Aquifer
SMW-12	12/14/2047	118.22	95.26	22.96	88 - 98	Black Creek Aquifer

Notes:
ft MSL = feet Mean Sea Level
ft bgs = feet below ground surface
dry = well was dry
< = well was dry, groundwater elevation is less than the indicated value
nm = not measured
na = not applicable
"---" = unknown

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
FTA-01	FAY-GWASI-FTA-01	11/30/2017	HFPO Dimer Acid	1800 J
FTA-01	FAY-GWASI-FTA-01	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
FTA-01	FAY-GWASI-FTA-01	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorobutane Sulfonic Acid	3.8
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorodecanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorododecanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluoroheptanoic Acid	11
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorohexane Sulfonic Acid	4.4
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorohexanoic Acid	17
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorononanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluoropentanoic Acid	26
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorotetradecanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluorotridecanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	Perfluoroundecanoic Acid	<2.0
FTA-01	FAY-GWASI-FTA-01	11/30/2017	PFOA	13
FTA-01	FAY-GWASI-FTA-01	11/30/2017	PFOS	5
FTA-02	FAY-GWASI-FTA-02	11/30/2017	HFPO Dimer Acid	11,000 J
FTA-02	FAY-GWASI-FTA-02	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
FTA-02	FAY-GWASI-FTA-02	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorobutane Sulfonic Acid	2.5
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorodecanoic Acid	2.6
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorododecanoic Acid	<2.0
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluoroheptanoic Acid	99
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorohexane Sulfonic Acid	11
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorohexanoic Acid	130
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorononanoic Acid	18
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluoropentanoic Acid	270
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorotetradecanoic Acid	<2.0
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluorotridecanoic Acid	<2.0
FTA-02	FAY-GWASI-FTA-02	11/30/2017	Perfluoroundecanoic Acid	<2.0
FTA-02	FAY-GWASI-FTA-02	11/30/2017	PFOA	97
FTA-02	FAY-GWASI-FTA-02	11/30/2017	PFOS	11
FTA-03	FAY-GWASI-FTA-03	11/30/2017	HFPO Dimer Acid	8700 J
FTA-03	FAY-GWASI-FTA-03	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
FTA-03	FAY-GWASI-FTA-03	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorobutane Sulfonic Acid	3.1
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorodecanoic Acid	4.1
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorododecanoic Acid	<2.0
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluoroheptanoic Acid	29
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorohexane Sulfonic Acid	7.1
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorohexanoic Acid	23
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorononanoic Acid	9.5
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluoropentanoic Acid	96
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorotetradecanoic Acid	<2.0
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluorotridecanoic Acid	<2.0
FTA-03	FAY-GWASI-FTA-03	11/30/2017	Perfluoroundecanoic Acid	<2.0
FTA-03	FAY-GWASI-FTA-03	11/30/2017	PFOA	57
FTA-03	FAY-GWASI-FTA-03	11/30/2017	PFOS	16
MW-12S	FAY-GWASI-MW-12S	11/22/2017	HFPO Dimer Acid	11,000
MW-12S	FAY-GWASI-MW-12S	11/22/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-12S	FAY-GWASI-MW-12S	11/22/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorodecanoic Acid	2.2

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorododecanoic Acid	<2.0
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluoroheptanoic Acid	34
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorohexane Sulfonic Acid	3.2
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorohexanoic Acid	27
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorononanoic Acid	17
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluoropentanoic Acid	130
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorotetradecanoic Acid	<2.0
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluorotridecanoic Acid	<2.0
MW-12S	FAY-GWASI-MW-12S	11/22/2017	Perfluoroundecanoic Acid	2
MW-12S	FAY-GWASI-MW-12S	11/22/2017	PFOA	97
MW-12S	FAY-GWASI-MW-12S	11/22/2017	PFOS	7.6
MW-1S	FAY-GWASI-MW-1S	11/22/2017	HFPO Dimer Acid	12,000
MW-1S	FAY-GWASI-MW-1S	11/22/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-1S	FAY-GWASI-MW-1S	11/22/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorodecanoic Acid	3.9
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorododecanoic Acid	<2.0
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluoroheptanoic Acid	48
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorohexane Sulfonic Acid	2.4
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorohexanoic Acid	24
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorononanoic Acid	20
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluoropentanoic Acid	240
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorotetradecanoic Acid	<2.0
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluorotridecanoic Acid	<2.0
MW-1S	FAY-GWASI-MW-1S	11/22/2017	Perfluoroundecanoic Acid	3.9
MW-1S	FAY-GWASI-MW-1S	11/22/2017	PFOA	100
MW-1S	FAY-GWASI-MW-1S	11/22/2017	PFOS	8.2
MW-2S	FAY-GWASI-MW-2S	11/22/2017	HFPO Dimer Acid	13,000
MW-2S	FAY-GWASI-MW-2S	11/22/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-2S	FAY-GWASI-MW-2S	11/22/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorodecanoic Acid	8.2
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorododecanoic Acid	<2.0
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluoroheptanoic Acid	74
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorohexane Sulfonic Acid	4
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorohexanoic Acid	40
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorononanoic Acid	71
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluoropentanoic Acid	420
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorotetradecanoic Acid	<2.0
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluorotridecanoic Acid	<2.0
MW-2S	FAY-GWASI-MW-2S	11/22/2017	Perfluoroundecanoic Acid	4.1
MW-2S	FAY-GWASI-MW-2S	11/22/2017	PFOA	79
MW-2S	FAY-GWASI-MW-2S	11/22/2017	PFOS	16
MW-7S	FAY-GWASI-MW-7S	11/29/2017	HFPO Dimer Acid	22,000
MW-7S	FAY-GWASI-MW-7S	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-7S	FAY-GWASI-MW-7S	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorodecanoic Acid	2.6
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorododecanoic Acid	<2.0
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluoroheptanoic Acid	43
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorohexane Sulfonic Acid	2.8
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorohexanoic Acid	18
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorononanoic Acid	13

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluoropentanoic Acid	190
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorotetradecanoic Acid	<2.0
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluorotridecanoic Acid	<2.0
MW-7S	FAY-GWASI-MW-7S	11/29/2017	Perfluoroundecanoic Acid	<2.0
MW-7S	FAY-GWASI-MW-7S	11/29/2017	PFOA	99
MW-7S	FAY-GWASI-MW-7S	11/29/2017	PFOS	6.9
MW-8S	FAY-GWASI-MW-8S	11/29/2017	HFPO Dimer Acid	18,000
MW-8S	FAY-GWASI-MW-8S	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-8S	FAY-GWASI-MW-8S	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorodecanoic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorododecanoic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluoroheptanoic Acid	33
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorohexanoic Acid	12
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorononanoic Acid	10
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluoropentanoic Acid	160
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorotetradecanoic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluorotridecanoic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	Perfluoroundecanoic Acid	<2.0
MW-8S	FAY-GWASI-MW-8S	11/29/2017	PFOA	83
MW-8S	FAY-GWASI-MW-8S	11/29/2017	PFOS	5.4
MW-9S	FAY-GWASI-MW-9S	11/29/2017	HFPO Dimer Acid	6300
MW-9S	FAY-GWASI-MW-9S	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-9S	FAY-GWASI-MW-9S	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorobutane Sulfonic Acid	8.1
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorodecanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorododecanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluoroheptanoic Acid	15
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorohexanoic Acid	13
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorononanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluoropentanoic Acid	78
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorotetradecanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluorotridecanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	Perfluoroundecanoic Acid	<2.0
MW-9S	FAY-GWASI-MW-9S	11/29/2017	PFOA	24
MW-9S	FAY-GWASI-MW-9S	11/29/2017	PFOS	<2.0
NAF-01	FAY-GWASI-NAF-01	11/15/2017	HFPO Dimer Acid	51,000
NAF-01	FAY-GWASI-NAF-01	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-01	FAY-GWASI-NAF-01	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorobutane Sulfonic Acid	2.2
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorodecanoic Acid	16
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorododecanoic Acid	2.1
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluoroheptanoic Acid	170
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorohexane Sulfonic Acid	3.7
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorohexanoic Acid	53
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorononanoic Acid	63
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluoropentanoic Acid	890
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluorotridecanoic Acid	<2.0
NAF-01	FAY-GWASI-NAF-01	11/15/2017	Perfluoroundecanoic Acid	21
NAF-01	FAY-GWASI-NAF-01	11/15/2017	PFOA	450

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-01	FAY-GWASI-NAF-01	11/15/2017	PFOS	12
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	HFPO Dimer Acid	51,000
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorobutane Sulfonic Acid	2.2
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorodecanoic Acid	16
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorododecanoic Acid	2.6
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluoroheptanoic Acid	170
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorohexane Sulfonic Acid	4.1
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorohexanoic Acid	52
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorononanoic Acid	66
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluoropentanoic Acid	970
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluorotridecanoic Acid	<2.0
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	Perfluoroundecanoic Acid	18
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	PFOA	430
NAF-01	FAY-GWASI-NAF-01-D	11/15/2017	PFOS	12
NAF-02	FAY-GWASI-NAF-02	11/15/2017	HFPO Dimer Acid	59,000
NAF-02	FAY-GWASI-NAF-02	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-02	FAY-GWASI-NAF-02	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorobutane Sulfonic Acid	2.2
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorodecanoic Acid	12
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorododecanoic Acid	6.6
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluoroheptanoic Acid	300
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorohexane Sulfonic Acid	3.1
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorohexanoic Acid	180
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorononanoic Acid	310
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluoropentanoic Acid	1500
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluorotridecanoic Acid	7.1
NAF-02	FAY-GWASI-NAF-02	11/15/2017	Perfluoroundecanoic Acid	28
NAF-02	FAY-GWASI-NAF-02	11/15/2017	PFOA	170
NAF-02	FAY-GWASI-NAF-02	11/15/2017	PFOS	9.7
NAF-03	FAY-GWASI-NAF-03	11/15/2017	HFPO Dimer Acid	160,000
NAF-03	FAY-GWASI-NAF-03	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-03	FAY-GWASI-NAF-03	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorobutane Sulfonic Acid	<2.0
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorodecanoic Acid	20
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorododecanoic Acid	8.4
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluoroheptanoic Acid	290
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorohexane Sulfonic Acid	<2.0
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorohexanoic Acid	400
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorononanoic Acid	81
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluoropentanoic Acid	2000
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluorotridecanoic Acid	2.2
NAF-03	FAY-GWASI-NAF-03	11/15/2017	Perfluoroundecanoic Acid	41
NAF-03	FAY-GWASI-NAF-03	11/15/2017	PFOA	120
NAF-03	FAY-GWASI-NAF-03	11/15/2017	PFOS	5.3
NAF-04	FAY-GWASI-NAF-04	11/15/2017	HFPO Dimer Acid	130,000
NAF-04	FAY-GWASI-NAF-04	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-04	FAY-GWASI-NAF-04	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorobutane Sulfonic Acid	<2.0

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorodecanoic Acid	31
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorododecanoic Acid	5.4
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluoroheptanoic Acid	780
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorohexane Sulfonic Acid	<2.0
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorohexanoic Acid	300
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorononanoic Acid	320
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluoropentanoic Acid	5700
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluorotridecanoic Acid	2.3
NAF-04	FAY-GWASI-NAF-04	11/15/2017	Perfluoroundecanoic Acid	78
NAF-04	FAY-GWASI-NAF-04	11/15/2017	PFOA	140
NAF-04	FAY-GWASI-NAF-04	11/15/2017	PFOS	6.5
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	HFPO Dimer Acid	97,000 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorobutane Sulfonic Acid	<2.0
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorodecanoic Acid	18 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorododecanoic Acid	2.2 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluoroheptanoic Acid	430 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorohexane Sulfonic Acid	<2.0
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorohexanoic Acid	220 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorononanoic Acid	130 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluoropentanoic Acid	3200
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorotetradecanoic Acid	<2.0
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluorotridecanoic Acid	<2.0
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	Perfluoroundecanoic Acid	13 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	PFOA	180 J
NAF-05A	FAY-GWASI-NAF-05A	11/08/2017	PFOS	5.4 J
NAF-06	FAY-GWASI-NAF-06	11/14/2017	HFPO Dimer Acid	140,000 J
NAF-06	FAY-GWASI-NAF-06	11/14/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-06	FAY-GWASI-NAF-06	11/14/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorobutane Sulfonic Acid	4.3
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorodecanoic Acid	25
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorododecanoic Acid	3.7
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluoroheptanoic Acid	760
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorohexane Sulfonic Acid	3.6
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorohexanoic Acid	540
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorononanoic Acid	320
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluoropentanoic Acid	3500
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorotetradecanoic Acid	<2.0
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluorotridecanoic Acid	<2.0
NAF-06	FAY-GWASI-NAF-06	11/14/2017	Perfluoroundecanoic Acid	48
NAF-06	FAY-GWASI-NAF-06	11/14/2017	PFOA	260
NAF-06	FAY-GWASI-NAF-06	11/14/2017	PFOS	9.9
NAF-07	FAY-GWASI-NAF-07	11/15/2017	HFPO Dimer Acid	29,000
NAF-07	FAY-GWASI-NAF-07	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-07	FAY-GWASI-NAF-07	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorobutane Sulfonic Acid	2.5
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorodecanoic Acid	5.6
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorododecanoic Acid	<2.0
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluoroheptanoic Acid	120
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorohexane Sulfonic Acid	2.7
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorohexanoic Acid	65

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
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Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorononanoic Acid	42
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluoropentanoic Acid	480
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluorotridecanoic Acid	<2.0
NAF-07	FAY-GWASI-NAF-07	11/15/2017	Perfluoroundecanoic Acid	2.7
NAF-07	FAY-GWASI-NAF-07	11/15/2017	PFOA	130
NAF-07	FAY-GWASI-NAF-07	11/15/2017	PFOS	11
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	HFPO Dimer Acid	110,000
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorobutane Sulfonic Acid	3.7
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorodecanoic Acid	26
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorododecanoic Acid	<2.0
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluoroheptanoic Acid	960
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorohexane Sulfonic Acid	7.3
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorohexanoic Acid	170
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorononanoic Acid	170
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluoropentanoic Acid	5300
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorotetradecanoic Acid	<2.0
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluorotridecanoic Acid	<2.0
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	Perfluoroundecanoic Acid	5.5
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	PFOA	200
NAF-08A	FAY-GWASI-NAF-08A	11/15/2017	PFOS	18
NAF-09	FAY-GWASI-NAF-09	11/16/2017	HFPO Dimer Acid	29,000 J
NAF-09	FAY-GWASI-NAF-09	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-09	FAY-GWASI-NAF-09	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorobutane Sulfonic Acid	7.5
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorodecanoic Acid	8.4
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorododecanoic Acid	<2.0
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluoroheptanoic Acid	96
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorohexane Sulfonic Acid	3.9
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorohexanoic Acid	78
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorononanoic Acid	17
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluoropentanoic Acid	710
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorotetradecanoic Acid	<2.0
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluorotridecanoic Acid	<2.0
NAF-09	FAY-GWASI-NAF-09	11/16/2017	Perfluoroundecanoic Acid	3.3
NAF-09	FAY-GWASI-NAF-09	11/16/2017	PFOA	120
NAF-09	FAY-GWASI-NAF-09	11/16/2017	PFOS	13
NAF-10	FAY-GWASI-NAF-10	11/14/2017	HFPO Dimer Acid	17,000 J
NAF-10	FAY-GWASI-NAF-10	11/14/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-10	FAY-GWASI-NAF-10	11/14/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorobutane Sulfonic Acid	4.2
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorodecanoic Acid	7.9
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorododecanoic Acid	<2.0
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluoroheptanoic Acid	55
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorohexane Sulfonic Acid	2.5
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorohexanoic Acid	30
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorononanoic Acid	20
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluoropentanoic Acid	310
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorotetradecanoic Acid	<2.0
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluorotridecanoic Acid	<2.0
NAF-10	FAY-GWASI-NAF-10	11/14/2017	Perfluoroundecanoic Acid	3.1

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-10	FAY-GWASI-NAF-10	11/14/2017	PFOA	61
NAF-10	FAY-GWASI-NAF-10	11/14/2017	PFOS	15
NAF-12	FAY-GWASI-NAF-12	11/16/2017	HFPO Dimer Acid	640,000 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorodecanoic Acid	7.9 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorododecanoic Acid	<2.0 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluoroheptanoic Acid	16,000
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorohexane Sulfonic Acid	4.6 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorohexanoic Acid	1000
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorononanoic Acid	1800
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluoropentanoic Acid	80,000
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorotetradecanoic Acid	<2.0 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluorotridecanoic Acid	<2.0 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	Perfluoroundecanoic Acid	<2.0 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	PFOA	310 J
NAF-12	FAY-GWASI-NAF-12	11/16/2017	PFOS	6.3 J
PZ-15	FAY-GWASI-PZ-15	11/29/2017	HFPO Dimer Acid	9600
PZ-15	FAY-GWASI-PZ-15	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-15	FAY-GWASI-PZ-15	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorodecanoic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorododecanoic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluoroheptanoic Acid	23
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorohexanoic Acid	10
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorononanoic Acid	3.3
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluoropentanoic Acid	120
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorotetradecanoic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluorotridecanoic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	Perfluoroundecanoic Acid	<2.0
PZ-15	FAY-GWASI-PZ-15	11/29/2017	PFOA	32
PZ-15	FAY-GWASI-PZ-15	11/29/2017	PFOS	3.5
PZ-16	FAY-GWASI-PZ-16	11/29/2017	HFPO Dimer Acid	63,000
PZ-16	FAY-GWASI-PZ-16	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-16	FAY-GWASI-PZ-16	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorodecanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorododecanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluoroheptanoic Acid	17
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorohexane Sulfonic Acid	2.1
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorohexanoic Acid	19
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorononanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluoropentanoic Acid	64
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorotetradecanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluorotridecanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	Perfluoroundecanoic Acid	<2.0
PZ-16	FAY-GWASI-PZ-16	11/29/2017	PFOA	36
PZ-16	FAY-GWASI-PZ-16	11/29/2017	PFOS	<2.0
PZ-18	FAY-GWASI-PZ-18	11/17/2017	HFPO Dimer Acid	170,000
PZ-18	FAY-GWASI-PZ-18	11/17/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-18	FAY-GWASI-PZ-18	11/17/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorobutane Sulfonic Acid	<2.0
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorodecanoic Acid	5.4
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorododecanoic Acid	<2.0
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluoroheptanoic Acid	1300
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorohexane Sulfonic Acid	2.1
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorohexanoic Acid	210
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorononanoic Acid	100
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluoropentanoic Acid	13,000
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorotetradecanoic Acid	<2.0
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluorotridecanoic Acid	<2.0
PZ-18	FAY-GWASI-PZ-18	11/17/2017	Perfluoroundecanoic Acid	2.6
PZ-18	FAY-GWASI-PZ-18	11/17/2017	PFOA	99
PZ-18	FAY-GWASI-PZ-18	11/17/2017	PFOS	6.2
PZ-19	FAY-GWASI-PZ-19	11/16/2017	HFPO Dimer Acid	14,000
PZ-19	FAY-GWASI-PZ-19	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-19	FAY-GWASI-PZ-19	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorobutane Sulfonic Acid	2.8
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorodecanoic Acid	3
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorododecanoic Acid	<2.0
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluoroheptanoic Acid	48
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorohexane Sulfonic Acid	9.9
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorohexanoic Acid	22
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorononanoic Acid	11
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluoropentanoic Acid	170
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorotetradecanoic Acid	<2.0
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluorotridecanoic Acid	<2.0
PZ-19	FAY-GWASI-PZ-19	11/16/2017	Perfluoroundecanoic Acid	<2.0
PZ-19	FAY-GWASI-PZ-19	11/16/2017	PFOA	51
PZ-19	FAY-GWASI-PZ-19	11/16/2017	PFOS	9.5
PZ-20	FAY-GWASI-PZ-20	11/16/2017	HFPO Dimer Acid	780
PZ-20	FAY-GWASI-PZ-20	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-20	FAY-GWASI-PZ-20	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorobutane Sulfonic Acid	3.8
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorodecanoic Acid	5.9
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorododecanoic Acid	<2.0
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluoroheptanoic Acid	24
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorohexane Sulfonic Acid	7.5
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorohexanoic Acid	32
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorononanoic Acid	4.8
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluoropentanoic Acid	42
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorotetradecanoic Acid	<2.0
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluorotridecanoic Acid	<2.0
PZ-20	FAY-GWASI-PZ-20	11/16/2017	Perfluoroundecanoic Acid	<2.0
PZ-20	FAY-GWASI-PZ-20	11/16/2017	PFOA	19
PZ-20	FAY-GWASI-PZ-20	11/16/2017	PFOS	21
PZ-21	FAY-GWASI-PZ-21	11/16/2017	HFPO Dimer Acid	440
PZ-21	FAY-GWASI-PZ-21	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
PZ-21	FAY-GWASI-PZ-21	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorobutane Sulfonic Acid	3.1
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorodecanoic Acid	2.7
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorododecanoic Acid	<2.0
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluoroheptanoic Acid	23
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorohexane Sulfonic Acid	6.6

TABLE 4a
Perched Zone Water PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorohexanoic Acid	24
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorononanoic Acid	3.6
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluoropentanoic Acid	27
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorotetradecanoic Acid	<2.0
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluorotridecanoic Acid	<2.0
PZ-21	FAY-GWASI-PZ-21	11/16/2017	Perfluoroundecanoic Acid	<2.0
PZ-21	FAY-GWASI-PZ-21	11/16/2017	PFOA	15
PZ-21	FAY-GWASI-PZ-21	11/16/2017	PFOS	13
SMW-02	FAY-GWASI-SMW-02	11/21/2017	HFPO Dimer Acid	15,000 J
SMW-02	FAY-GWASI-SMW-02	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-02	FAY-GWASI-SMW-02	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluoroheptanoic Acid	28
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorohexanoic Acid	16
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorononanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluoropentanoic Acid	170
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-02	FAY-GWASI-SMW-02	11/21/2017	PFOA	17
SMW-02	FAY-GWASI-SMW-02	11/21/2017	PFOS	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	HFPO Dimer Acid	9300
SMW-07	FAY-GWASI-SMW-07	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-07	FAY-GWASI-SMW-07	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorobutane Sulfonic Acid	2.7
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluoroheptanoic Acid	92
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorohexane Sulfonic Acid	11
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorohexanoic Acid	42
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorononanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluoropentanoic Acid	24
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-07	FAY-GWASI-SMW-07	11/21/2017	PFOA	1400
SMW-07	FAY-GWASI-SMW-07	11/21/2017	PFOS	<2.0

Notes: ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFECA-A	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFECA-F	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFECA-G	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFESA_BP1	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFESA_BP2	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFMOAA	386
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFO2HxA	1,922
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFO3OA	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFO4DA	<200
FTA-01	FAY-GWASI-FTA-01-1	11/30/2017	PFO5DA	<200
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFECA-A	<200
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFECA-F	<200
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFECA-G	<200
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFESA_BP1	5,827
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFESA_BP2	1,189
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFMOAA	6,969
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFO2HxA	7,632
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFO3OA	1,681
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFO4DA	1,146
FTA-02	FAY-GWASI-FTA-02-1	11/30/2017	PFO5DA	1,939
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFECA-A	<200
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFECA-F	<200
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFECA-G	<200
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFESA_BP1	<200
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFESA_BP2	589
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFMOAA	9,152
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFO2HxA	8,008
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFO3OA	1,184
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFO4DA	782
FTA-03	FAY-GWASI-FTA-03-1	11/30/2017	PFO5DA	703
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFECA-A	<200
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFECA-F	<200
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFECA-G	<200
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFESA_BP1	<200
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFESA_BP2	471
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFMOAA	5,001
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFO2HxA	7,391
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFO3OA	1,385
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFO4DA	1,421
MW-12S	FAY-GWASI-MW-12S-1	11/22/2017	PFO5DA	705
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFECA-A	<200
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFECA-F	<200
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFECA-G	<200
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFESA_BP1	<200
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFESA_BP2	544
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFMOAA	5,332

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFO2HxA	7,911
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFO3OA	1,485
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFO4DA	1,376
MW-12S	FAY-GWASI-MW-12S-2	11/22/2017	PFO5DA	841
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFECA-A	<200
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFECA-F	<200
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFECA-G	<200
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFESA_BP1	<200
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFESA_BP2	546
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFMOAA	14,111
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFO2HxA	9,876
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFO3OA	2,018
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFO4DA	1,815
MW-1S	FAY-GWASI-MW-1S-1	11/22/2017	PFO5DA	910
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFECA-A	<200
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFECA-F	<200
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFECA-G	<200
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFESA_BP1	<200
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFESA_BP2	553
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFMOAA	14,097
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFO2HxA	9,725
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFO3OA	1,952
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFO4DA	1,755
MW-1S	FAY-GWASI-MW-1S-2	11/22/2017	PFO5DA	914
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFECA-A	<200
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFECA-F	<200
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFECA-G	<200
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFESA_BP1	<200
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFESA_BP2	1,299
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFMOAA	22,042
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFO2HxA	13,709
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFO3OA	2,876
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFO4DA	1,761
MW-2S	FAY-GWASI-MW-2S-1	11/22/2017	PFO5DA	1,958
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFECA-A	<200
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFECA-F	<200
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFECA-G	<200
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFESA_BP1	<200
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFESA_BP2	1,321
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFMOAA	22,408
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFO2HxA	14,161
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFO3OA	2,951
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFO4DA	2,233
MW-2S	FAY-GWASI-MW-2S-2	11/22/2017	PFO5DA	2,145
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFECA-A	<200
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFECA-F	<200

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFECA-G	<200
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFESA_BP1	<200
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFESA_BP2	571
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFMOAA	6,140
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFO2HxA	14,879
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFO3OA	2,339
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFO4DA	2,100
MW-7S	FAY-GWASI-MW-7S-1	11/29/2017	PFO5DA	1,541
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFECA-A	<200
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFECA-F	<200
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFECA-G	<200
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFESA_BP1	<200
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFESA_BP2	446
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFMOAA	4,844
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFO2HxA	13,152
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFO3OA	1,791
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFO4DA	1,433
MW-8S	FAY-GWASI-MW-8S-1	11/29/2017	PFO5DA	1,484
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFECA-A	<200
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFECA-F	<200
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFECA-G	<200
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFESA_BP1	<200
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFESA_BP2	<200
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFMOAA	1,231
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFO2HxA	4,022
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFO3OA	839
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFO4DA	611
MW-9S	FAY-GWASI-MW-9S-1	11/27/2017	PFO5DA	<200
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFECA-A	<200
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFECA-F	<200
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFECA-G	<200
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFESA_BP1	3,073
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFESA_BP2	15,633
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFMOAA	42,218
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFO2HxA	47,621
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFO3OA	19,925
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFO4DA	18,151
NAF-01	FAY-GWASI-NAF-01-1	11/15/2017	PFO5DA	11,597
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFECA-A	<200
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFECA-F	<200
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFECA-G	<200
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFESA_BP1	2,821
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFESA_BP2	15,667
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFMOAA	43,669
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFO2HxA	46,213
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFO3OA	19,861

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFO4DA	17,866
NAF-01	FAY-GWASI-NAF-01-2	11/15/2017	PFO5DA	12,068
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFECA-A	<200
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFECA-F	<200
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFECA-G	<200
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFESA_BP1	2,897
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFESA_BP2	16,313
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFMOAA	43,425
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFO2HxA	47,314
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFO3OA	20,312
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFO4DA	18,873
NAF-01	FAY-GWASI-NAF-01-D-1	11/15/2017	PFO5DA	12,803
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFECA-A	<200
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFECA-F	<200
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFECA-G	<200
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFESA_BP1	2,836
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFESA_BP2	16,189
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFMOAA	43,298
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFO2HxA	46,459
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFO3OA	20,373
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFO4DA	18,510
NAF-01	FAY-GWASI-NAF-01-D-2	11/15/2017	PFO5DA	12,007
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFECA-A	<200
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFECA-F	418
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFECA-G	<200
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFESA_BP1	3,735
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFESA_BP2	10,462
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFMOAA	391,570
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFO2HxA	19,005
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFO3OA	60,619
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFO4DA	45,716
NAF-02	FAY-GWASI-NAF-02-1	11/15/2017	PFO5DA	26,845
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFECA-A	<200
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFECA-F	450
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFECA-G	<200
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFESA_BP1	3,557
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFESA_BP2	7,192
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFMOAA	406,380
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFO2HxA	189,005
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFO3OA	60,531
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFO4DA	48,581
NAF-02	FAY-GWASI-NAF-02-2	11/15/2017	PFO5DA	28,073
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFECA-A	<200
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFECA-F	307
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFECA-G	<200
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFESA_BP1	16,331

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFESA_BP2	7,621
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFMOAA	468,045
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFO2HxA	249,170
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFO3OA	85,625
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFO4DA	46,319
NAF-03	FAY-GWASI-NAF-03-1	11/15/2017	PFO5DA	31,354
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFECA-A	<200
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFECA-F	240
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFECA-G	<200
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFESA_BP1	16,508
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFESA_BP2	8,171
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFMOAA	538,490
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFO2HxA	300,720
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFO3OA	96,220
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFO4DA	52,725
NAF-03	FAY-GWASI-NAF-03-2	11/15/2017	PFO5DA	33,102
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFECA-A	<200
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFECA-F	1,248
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFECA-G	<200
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFESA_BP1	63,491
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFESA_BP2	17,923
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFMOAA	1,726,095
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFO2HxA	912,105
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFO3OA	262,395
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFO4DA	110,665
NAF-04	FAY-GWASI-NAF-04-1	11/15/2017	PFO5DA	47,780
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFECA-A	<200
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFECA-F	923
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFECA-G	<200
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFESA_BP1	66,947
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFESA_BP2	18,105
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFMOAA	1,715,830
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFO2HxA	898,740
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFO3OA	247,065
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFO4DA	106,730
NAF-04	FAY-GWASI-NAF-04-2	11/15/2017	PFO5DA	48,463
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFECA-A	<200
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFECA-F	381
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFECA-G	<200
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFESA_BP1	260,295
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFESA_BP2	15,264
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFMOAA	599,340
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFO2HxA	578,045
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFO3OA	281,605
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFO4DA	209,810
NAF-05A	FAY-GWASI-NAF-05A-1	11/08/2017	PFO5DA	136,855

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFECA-A	<200
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFECA-F	1,235
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFECA-G	<200
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFESA_BP1	47,420
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFESA_BP2	22,374
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFMOAA	966,000
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFO2HxA	508,965
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFO3OA	192,945
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFO4DA	105,270
NAF-06	FAY-GWASI-NAF-06-1	11/14/2017	PFO5DA	68,677
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFECA-A	<200
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFECA-F	937
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFECA-G	<200
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFESA_BP1	47,148
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFESA_BP2	22,743
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFMOAA	985,555
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFO2HxA	502,285
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFO3OA	184,855
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFO4DA	98,745
NAF-06	FAY-GWASI-NAF-06-2	11/14/2017	PFO5DA	68,898
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFECA-A	<200
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFECA-F	397
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFECA-G	<200
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFESA_BP1	<200
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFESA_BP2	<200
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFMOAA	360
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFO2HxA	14,400
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFO3OA	575
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFO4DA	3,580
NAF-06	FAY-GWNEW-NAF-06-121317-1	12/13/2017	PFO5DA	<200
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFECA-A	<200
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFECA-F	227
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFECA-G	<200
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFESA_BP1	<200
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFESA_BP2	<200
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFMOAA	1,635
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFO2HxA	17,040
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFO3OA	1,510
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFO4DA	2,805
NAF-06	FAY-GWNEW-NAF-06-121317-2	12/13/2017	PFO5DA	<200
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFECA-A	<200
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFECA-F	<200
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFECA-G	<200
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFESA_BP1	392
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFESA_BP2	1,562
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFMOAA	115,273

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFO2HxA	66,135
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFO3OA	21,250
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFO4DA	9,176
NAF-07	FAY-GWASI-NAF-07-1	11/15/2017	PFO5DA	5,246
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFECA-A	<200
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFECA-F	<200
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFECA-G	<200
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFESA_BP1	282
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFESA_BP2	1,582
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFMOAA	112,916
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFO2HxA	62,286
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFO3OA	21,068
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFO4DA	8,959
NAF-07	FAY-GWASI-NAF-07-2	11/15/2017	PFO5DA	5,080
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFECA-A	<200
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFECA-F	<200
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFECA-G	<200
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFESA_BP1	61,245
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFESA_BP2	10,074
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFMOAA	15,910
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFO2HxA	43,173
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFO3OA	18,382
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFO4DA	10,416
NAF-08A	FAY-GWASI-NAF-08A-1	11/15/2017	PFO5DA	5,888
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFECA-A	<200
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFECA-F	<200
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFECA-G	<200
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFESA_BP1	71,915
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFESA_BP2	9,685
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFMOAA	15,234
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFO2HxA	41,289
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFO3OA	17,348
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFO4DA	9,997
NAF-08A	FAY-GWASI-NAF-08A-2	11/15/2017	PFO5DA	5,363
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFECA-A	<200
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFECA-F	311
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFECA-G	<200
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFESA_BP1	2,697
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFESA_BP2	851
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFMOAA	4,691
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFO2HxA	21,127
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFO3OA	11,429
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFO4DA	9,663
NAF-09	FAY-GWASI-NAF-09-1	11/16/2017	PFO5DA	1,693
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFECA-A	<200
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFECA-F	373

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFECA-G	<200
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFESA_BP1	2,435
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFESA_BP2	791
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFMOAA	4,751
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFO2HxA	21,533
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFO3OA	11,804
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFO4DA	9,692
NAF-09	FAY-GWASI-NAF-09-2	11/16/2017	PFO5DA	1,685
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFECA-A	<200
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFECA-F	<200
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFECA-G	<200
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFESA_BP1	<200
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFESA_BP2	891
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFMOAA	4,789
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFO2HxA	17,088
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFO3OA	4,104
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFO4DA	2,503
NAF-10	FAY-GWASI-NAF-10-1	11/14/2017	PFO5DA	2,017
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFECA-A	<200
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFECA-F	<200
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFECA-G	<200
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFESA_BP1	<200
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFESA_BP2	818
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFMOAA	4,627
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFO2HxA	16,539
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFO3OA	4,539
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFO4DA	2,239
NAF-10	FAY-GWASI-NAF-10-2	11/14/2017	PFO5DA	1,802
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFECA-A	<200
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFECA-F	797
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFECA-G	<200
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFESA_BP1	129,815
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFESA_BP2	76,125
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFMOAA	68,690
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFO2HxA	283,775
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFO3OA	105,980
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFO4DA	61,459
NAF-12	FAY-GWASI-NAF-12-1	11/16/2017	PFO5DA	27,878
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFECA-A	<200
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFECA-F	916
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFECA-G	<200
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFESA_BP1	144,625
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFESA_BP2	76,230
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFMOAA	69,075
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFO2HxA	296,180
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFO3OA	112,570

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFO4DA	61,219
NAF-12	FAY-GWASI-NAF-12-2	11/16/2017	PFO5DA	27,840
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFECA-A	<200
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFECA-F	<200
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFECA-G	<200
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFESA_BP1	<200
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFESA_BP2	227
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFMOAA	2,187
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFO2HxA	7,868
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFO3OA	1,761
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFO4DA	1,360
PZ-15	FAY-GWASI-PZ-15-1	11/29/2017	PFO5DA	505
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFECA-A	<200
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFECA-F	<200
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFECA-G	<200
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFESA_BP1	<200
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFESA_BP2	233
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFMOAA	870
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFO2HxA	2,778
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFO3OA	562
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFO4DA	505
PZ-16	FAY-GWNEW-PZ-16-121317-1	12/13/2017	PFO5DA	<200
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFECA-A	<200
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFECA-F	<200
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFECA-G	<200
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFESA_BP1	<200
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFESA_BP2	242
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFMOAA	824
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFO2HxA	2,665
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFO3OA	512
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFO4DA	468
PZ-16	FAY-GWNEW-PZ-16-121317-2	12/13/2017	PFO5DA	<200
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFECA-A	<200
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFECA-F	950
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFECA-G	<200
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFESA_BP1	11,092
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFESA_BP2	5,474
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFMOAA	6,662,860
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFO2HxA	1,610,185
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFO3OA	399,610
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFO4DA	79,740
PZ-18	FAY-GWASI-PZ-18-110717	11/07/2017	PFO5DA	15,098
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFECA-A	<200
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFECA-F	1,085
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFECA-G	<200
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFESA_BP1	13,781

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFESA_BP2	5,827
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFMOAA	8,174,250
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFO2HxA	1,935,440
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFO3OA	488,640
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFO4DA	99,015
PZ-18	FAY-GWASI-PZ-18-112717	11/27/2017	PFO5DA	17,612
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFECA-A	<200
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFECA-F	<200
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFECA-G	<200
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFESA_BP1	<200
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFESA_BP2	494
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFMOAA	11,011
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFO2HxA	16,547
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFO3OA	2,343
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFO4DA	2,430
PZ-19	FAY-GWASI-PZ-19-1	11/16/2017	PFO5DA	806
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFECA-A	<200
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFECA-F	<200
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFECA-G	<200
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFESA_BP1	<200
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFESA_BP2	518
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFMOAA	11,084
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFO2HxA	16,678
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFO3OA	2,428
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFO4DA	2,317
PZ-19	FAY-GWASI-PZ-19-2	11/16/2017	PFO5DA	919
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFECA-A	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFECA-F	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFECA-G	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFESA_BP1	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFESA_BP2	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFMOAA	419
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFO2HxA	1,034
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFO3OA	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFO4DA	<200
PZ-20	FAY-GWASI-PZ-20-1	11/16/2017	PFO5DA	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFECA-A	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFECA-F	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFECA-G	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFESA_BP1	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFESA_BP2	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFMOAA	425
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFO2HxA	1,057
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFO3OA	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFO4DA	<200
PZ-20	FAY-GWASI-PZ-20-2	11/16/2017	PFO5DA	<200

TABLE 4b
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFECA-A	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFECA-F	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFECA-G	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFESA_BP1	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFESA_BP2	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFMOAA	697
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFO2HxA	707
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFO3OA	<200
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFO4DA	844
PZ-21	FAY-GWASI-PZ-21-1	11/16/2017	PFO5DA	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFECA-A	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFECA-F	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFECA-G	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFESA_BP1	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFESA_BP2	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFMOAA	776
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFO2HxA	818
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFO3OA	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFO4DA	<200
PZ-21	FAY-GWASI-PZ-21-2	11/16/2017	PFO5DA	<200
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFECA-A	<200
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFECA-F	<200
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFECA-G	<200
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFESA_BP1	<200
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFESA_BP2	226
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFMOAA	1,588
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFO2HxA	17,792
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFO3OA	4,613
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFO4DA	2,451
SMW-02	FAY-GWASI-SMW-02-1	11/21/2017	PFO5DA	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFECA-A	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFECA-F	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFECA-G	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFESA_BP1	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFESA_BP2	<200
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFMOAA	1,112
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFO2HxA	13,379
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFO3OA	3,647
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFO4DA	1,580
SMW-02	FAY-GWASI-SMW-02-2	11/21/2017	PFO5DA	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFECA-A	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFECA-F	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFECA-G	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFESA_BP1	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFESA_BP2	<200
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFMOAA	820

TABLE 4b
Perched Zone Water PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFO2HxA	1,104
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFO3OA	327
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFO4DA	333
SMW-07	FAY-GWASI-SMW-07-1	11/21/2017	PFO5DA	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFECA-A	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFECA-F	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFECA-G	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFESA_BP1	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFESA_BP2	<200
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFMOAA	722
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFO2HxA	1,906
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFO3OA	220
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFO4DA	338
SMW-07	FAY-GWASI-SMW-07-2	11/21/2017	PFO5DA	<200

Notes: ng/L = nanograms per liter
< = less than indicated reporting limit
-D = duplicate sample
-1 & -2 = replicate samples analyzed
detections are highlighted

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	HFPO Dimer Acid	400
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorodecanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorododecanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluoroheptanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorohexanoic Acid	2.3
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorononanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluoropentanoic Acid	9.8
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorotetradecanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluorotridecanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	Perfluoroundecanoic Acid	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	PFOA	<2.0
INSITU-1	FAY-GWASI-INSITU-1	11/28/2017	PFOS	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	HFPO Dimer Acid	45,000
MW-13D	FAY-GWASI-MW-13D	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-13D	FAY-GWASI-MW-13D	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorodecanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorododecanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluoroheptanoic Acid	43
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorohexanoic Acid	77
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorononanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluoropentanoic Acid	4700
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorotetradecanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluorotridecanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	Perfluoroundecanoic Acid	<2.0
MW-13D	FAY-GWASI-MW-13D	11/16/2017	PFOA	2.5
MW-13D	FAY-GWASI-MW-13D	11/16/2017	PFOS	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	HFPO Dimer Acid	8300
MW-14D	FAY-GWASI-MW-14D	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-14D	FAY-GWASI-MW-14D	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorobutane Sulfonic Acid	2.2
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorodecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorododecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluoroheptanoic Acid	100
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorohexane Sulfonic Acid	4.7
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorohexanoic Acid	78
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorononanoic Acid	11
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluoropentanoic Acid	380
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorotetradecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluorotridecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	Perfluoroundecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D	11/30/2017	PFOA	620
MW-14D	FAY-GWASI-MW-14D	11/30/2017	PFOS	7.7
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	HFPO Dimer Acid	8300
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorobutane Sulfonic Acid	2.3
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorodecanoic Acid	<2.0

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorododecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluoroheptanoic Acid	110
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorohexane Sulfonic Acid	5
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorohexanoic Acid	78
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorononanoic Acid	11
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluoropentanoic Acid	370
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorotetradecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluorotridecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	Perfluoroundecanoic Acid	<2.0
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	PFOA	620
MW-14D	FAY-GWASI-MW-14D-D	11/30/2017	PFOS	7.7
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	HFPO Dimer Acid	3600
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorobutane Sulfonic Acid	3.6
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorodecanoic Acid	2.8
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorododecanoic Acid	<2.0
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluoroheptanoic Acid	35
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorohexane Sulfonic Acid	5.7
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorohexanoic Acid	42
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorononanoic Acid	17
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluoropentanoic Acid	110
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorotetradecanoic Acid	<2.0
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluorotridecanoic Acid	<2.0
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	Perfluoroundecanoic Acid	<2.0
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	PFOA	47
MW-15DR	FAY-GWNEW-MW-15DR	12/11/2017	PFOS	11
MW-16D	FAY-GWASI-MW-16D	11/16/2017	HFPO Dimer Acid	720
MW-16D	FAY-GWASI-MW-16D	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-16D	FAY-GWASI-MW-16D	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorodecanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorododecanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluoroheptanoic Acid	3.4
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorohexanoic Acid	3.7
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorononanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluoropentanoic Acid	17
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorotetradecanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluorotridecanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	Perfluoroundecanoic Acid	<2.0
MW-16D	FAY-GWASI-MW-16D	11/16/2017	PFOA	12
MW-16D	FAY-GWASI-MW-16D	11/16/2017	PFOS	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	HFPO Dimer Acid	610
MW-17D	FAY-GWASI-MW-17D	11/17/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-17D	FAY-GWASI-MW-17D	11/17/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorodecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorododecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluoroheptanoic Acid	3.5
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorohexanoic Acid	4.3
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorononanoic Acid	<2.0

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluoropentanoic Acid	17
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorotetradecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluorotridecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	Perfluoroundecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D	11/17/2017	PFOA	3.4
MW-17D	FAY-GWASI-MW-17D	11/17/2017	PFOS	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	HFPO Dimer Acid	610
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorodecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorododecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluoroheptanoic Acid	3.3
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorohexanoic Acid	4.1
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorononanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluoropentanoic Acid	17
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorotetradecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluorotridecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	Perfluoroundecanoic Acid	<2.0
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	PFOA	3.2
MW-17D	FAY-GWASI-MW-17D-D	11/17/2017	PFOS	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	HFPO Dimer Acid	170 J
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorodecanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorododecanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluoroheptanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorohexanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorononanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluoropentanoic Acid	3.2
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorotetradecanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluorotridecanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	Perfluoroundecanoic Acid	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	PFOA	<2.0
MW-18D	FAY-GWNEW-MW-18D	12/06/2017	PFOS	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	HFPO Dimer Acid	840 J
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorodecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorododecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluoroheptanoic Acid	4.8
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorohexanoic Acid	5.6
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorononanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluoropentanoic Acid	24
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorotetradecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluorotridecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	Perfluoroundecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	PFOA	7.1

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-19D	FAY-GWNEW-MW-19D	12/06/2017	PFOS	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	HFPO Dimer Acid	840 J
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorodecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorododecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluoroheptanoic Acid	4.5
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorohexanoic Acid	5.8
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorononanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluoropentanoic Acid	23
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorotetradecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluorotridecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	Perfluoroundecanoic Acid	<2.0
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	PFOA	7.2
MW-19D	FAY-GWNEW-MW-19D-D	12/06/2017	PFOS	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	HFPO Dimer Acid	1400
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorodecanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorododecanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluoroheptanoic Acid	9.4
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorohexanoic Acid	11
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorononanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluoropentanoic Acid	46
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorotetradecanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluorotridecanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	Perfluoroundecanoic Acid	<2.0
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	PFOA	35
MW-20D	FAY-GWNEW-MW-20D	12/07/2017	PFOS	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	HFPO Dimer Acid	390 J
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorobutane Sulfonic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorodecanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorododecanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluoroheptanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorohexanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorononanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluoropentanoic Acid	9.5
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorotetradecanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluorotridecanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	Perfluoroundecanoic Acid	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	PFOA	<2.0
MW-21D	FAY-GWNEW-MW-21D	12/06/2017	PFOS	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	HFPO Dimer Acid	990
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorobutane Sulfonic Acid	<2.0

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorodecanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorododecanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluoroheptanoic Acid	3.7
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorohexane Sulfonic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorohexanoic Acid	4.6
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorononanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluoropentanoic Acid	15
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorotetradecanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluorotridecanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	Perfluoroundecanoic Acid	<2.0
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	PFOA	10
MW-22D	FAY-GWNEW-MW-22D	12/08/2017	PFOS	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	HFPO Dimer Acid	6600 J
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorodecanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorododecanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluoroheptanoic Acid	23
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorohexanoic Acid	16
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorononanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluoropentanoic Acid	530
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorotetradecanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluorotridecanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	Perfluoroundecanoic Acid	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	PFOA	<2.0
NAF-08B	FAY-GWASI-NAF-08B	11/16/2017	PFOS	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	HFPO Dimer Acid	2100 J
SMW-01	FAY-GWASI-SMW-01	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-01	FAY-GWASI-SMW-01	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorobutane Sulfonic Acid	2.4
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluoroheptanoic Acid	12
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorohexanoic Acid	8.9
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorononanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluoropentanoic Acid	25
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01	11/21/2017	PFOA	15
SMW-01	FAY-GWASI-SMW-01	11/21/2017	PFOS	2.5
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	HFPO Dimer Acid	2100 J
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorobutane Sulfonic Acid	2.5
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluoroheptanoic Acid	12
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorohexanoic Acid	8.7

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorononanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluoropentanoic Acid	26
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	PFOA	14
SMW-01	FAY-GWASI-SMW-01-D	11/21/2017	PFOS	2.3
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	HFPO Dimer Acid	8900 J
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluoroheptanoic Acid	41
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorohexanoic Acid	38
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorononanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluoropentanoic Acid	480
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	PFOA	130
SMW-03B	FAY-GWASI-SMW-03B	11/21/2017	PFOS	<2.0
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	HFPO Dimer Acid	4500
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<33
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorobutane Sulfonic Acid	2.3
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorodecanoic Acid	<3.3
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorododecanoic Acid	<5.9
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluoroheptanoic Acid	51
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorohexane Sulfonic Acid	2.4
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorohexanoic Acid	41
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorononanoic Acid	<2.9
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluoropentanoic Acid	86
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorotetradecanoic Acid	<3.1
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluorotridecanoic Acid	<14
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	Perfluoroundecanoic Acid	<12
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	PFOA	23,000
SMW-04B	FAY-GWASI-SMW-04B	11/21/2017	PFOS	<5.7
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	HFPO Dimer Acid	7700 J
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorobutane Sulfonic Acid	7.7
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorodecanoic Acid	<2.0
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorododecanoic Acid	<2.0
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluoroheptanoic Acid	63
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorohexane Sulfonic Acid	10
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorohexanoic Acid	42
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorononanoic Acid	2.8
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluoropentanoic Acid	280
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorotetradecanoic Acid	<2.0
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluorotridecanoic Acid	<2.0
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	Perfluoroundecanoic Acid	<2.0

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
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Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	PFOA	510
SMW-05P	FAY-GWASI-SMW-05P	11/15/2017	PFOS	3.2
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	HFPO Dimer Acid	42,000
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluoroheptanoic Acid	230 J
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorohexane Sulfonic Acid	2 J
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorohexanoic Acid	110 J
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorononanoic Acid	2.5 J
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluoropentanoic Acid	3200
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	PFOA	3500
SMW-06B	FAY-GWASI-SMW-06B	11/21/2017	PFOS	2.9 J
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	HFPO Dimer Acid	15,000
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorobutane Sulfonic Acid	4.1
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorodecanoic Acid	<2.0
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorododecanoic Acid	<2.0
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluoroheptanoic Acid	130
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorohexane Sulfonic Acid	6
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorohexanoic Acid	45
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorononanoic Acid	5.1
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluoropentanoic Acid	1100
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorotetradecanoic Acid	<2.0
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluorotridecanoic Acid	<2.0
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	Perfluoroundecanoic Acid	<2.0
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	PFOA	450
SMW-08B	FAY-GWASI-SMW-08B	11/21/2017	PFOS	5.7
SMW-09	FAY-GWASI-SMW-09	11/15/2017	HFPO Dimer Acid	16,000 J
SMW-09	FAY-GWASI-SMW-09	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-09	FAY-GWASI-SMW-09	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorobutane Sulfonic Acid	3
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorodecanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorododecanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluoroheptanoic Acid	63
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorohexane Sulfonic Acid	13
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorohexanoic Acid	88
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorononanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluoropentanoic Acid	290
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorotetradecanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluorotridecanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	Perfluoroundecanoic Acid	<2.0
SMW-09	FAY-GWASI-SMW-09	11/15/2017	PFOA	53
SMW-09	FAY-GWASI-SMW-09	11/15/2017	PFOS	39
SMW-10	FAY-GWASI-SMW-10	11/15/2017	HFPO Dimer Acid	<10 J
SMW-10	FAY-GWASI-SMW-10	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-10	FAY-GWASI-SMW-10	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20

TABLE 5a
Surficial Aquifer PFAS - List 1 Concentrations
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Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorodecanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorododecanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluoroheptanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorohexanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorononanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluoropentanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorotetradecanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluorotridecanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	Perfluoroundecanoic Acid	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	PFOA	<2.0
SMW-10	FAY-GWASI-SMW-10	11/15/2017	PFOS	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	HFPO Dimer Acid	4400 J
SMW-11	FAY-GWASI-SMW-11	11/15/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-11	FAY-GWASI-SMW-11	11/15/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorodecanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorododecanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluoroheptanoic Acid	11
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorohexanoic Acid	10
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorononanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluoropentanoic Acid	48
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorotetradecanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluorotridecanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	Perfluoroundecanoic Acid	<2.0
SMW-11	FAY-GWASI-SMW-11	11/15/2017	PFOA	34
SMW-11	FAY-GWASI-SMW-11	11/15/2017	PFOS	<2.0

Notes: ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFECA-A	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFECA-F	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFECA-G	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFESA_BP1	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFESA_BP2	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFMOAA	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFO2HxA	366
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFO3OA	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFO4DA	<200
INSITU-1	FAY-GWASI-INSITU1	11/28/2017	PFO5DA	<200
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFECA-A	<200
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFECA-F	<200
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFECA-G	<200
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFESA_BP1	<200
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFESA_BP2	213
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFMOAA	323,340
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFO2HxA	131,950
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFO3OA	11,658
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFO4DA	805
MW-13D	FAY-GWASI-MW-13D-1	11/16/2017	PFO5DA	<200
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFECA-A	<200
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFECA-F	301
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFECA-G	<200
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFESA_BP1	<200
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFESA_BP2	207
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFMOAA	312,555
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFO2HxA	132,200
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFO3OA	11,250
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFO4DA	535
MW-13D	FAY-GWASI-MW-13D-2	11/16/2017	PFO5DA	<200
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFECA-A	<200
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFECA-F	<200
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFECA-G	<200
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFESA_BP1	249
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFESA_BP2	360
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFMOAA	93,163
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFO2HxA	26,473
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFO3OA	7,627
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFO4DA	2,764
MW-14D	FAY-GWASI-MW-14D-1	11/30/2017	PFO5DA	595
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFECA-A	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFECA-F	<200
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFECA-G	<200
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFESA_BP1	<200
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFESA_BP2	363
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFMOAA	95,836
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFO2HxA	26,807
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFO3OA	7,941
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFO4DA	2,828
MW-14D	FAY-GWASI-MW-14D-D-1	11/30/2017	PFO5DA	584
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFECA-A	<200
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFECA-F	<200
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFECA-G	<200
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFESA_BP1	12,431
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFESA_BP2	1,714
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFMOAA	39,674
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFO2HxA	11,991
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFO3OA	3,095
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFO4DA	1,098
MW-15DR	FAY-GWNEW-MW-15DR-1	12/11/2017	PFO5DA	693
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFECA-A	<200
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFECA-F	<200
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFECA-G	<200
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFESA_BP1	11,779
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFESA_BP2	1,690
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFMOAA	38,851
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFO2HxA	11,958
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFO3OA	2,686
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFO4DA	1,259
MW-15DR	FAY-GWNEW-MW-15DR-2	12/11/2017	PFO5DA	652
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFECA-A	<200
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFECA-F	<200
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFECA-G	<200
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFESA_BP1	<200
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFESA_BP2	242
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFMOAA	2,358
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFO2HxA	879
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFO3OA	225
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFO4DA	<200
MW-16D	FAY-GWASI-MW-16D-1	11/16/2017	PFO5DA	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFECA-A	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFECA-F	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFECA-G	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFESA_BP1	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFESA_BP2	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFMOAA	2,383
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFO2HxA	1,101
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFO3OA	205
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFO4DA	<200
MW-16D	FAY-GWASI-MW-16D-2	11/16/2017	PFO5DA	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFECA-A	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFECA-F	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFECA-G	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFESA_BP1	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFESA_BP2	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFMOAA	215
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFO2HxA	508
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFO3OA	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFO4DA	<200
MW-17D	FAY-GWASI-MW-17D-1	11/17/2017	PFO5DA	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFECA-A	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFECA-F	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFECA-G	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFESA_BP1	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFESA_BP2	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFMOAA	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFO2HxA	593
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFO3OA	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFO4DA	<200
MW-17D	FAY-GWASI-MW-17D-2	11/17/2017	PFO5DA	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFECA-A	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFECA-F	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFECA-G	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFESA_BP1	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFESA_BP2	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFMOAA	222
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFO2HxA	502
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFO3OA	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFO4DA	<200
MW-17D	FAY-GWASI-MW-17D-D-1	11/17/2017	PFO5DA	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFECA-A	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFECA-F	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFECA-G	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFESA_BP1	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFESA_BP2	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFMOAA	227
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFO2HxA	565
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFO3OA	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFO4DA	<200
MW-17D	FAY-GWASI-MW-17D-D-2	11/17/2017	PFO5DA	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFECA-A	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFECA-F	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFECA-G	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFESA_BP1	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFESA_BP2	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFMOAA	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFO2HxA	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFO3OA	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFO4DA	<200
MW-18D	FAY-GWNEW-MW-18D-1	12/06/2017	PFO5DA	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFECA-A	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFECA-F	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFECA-G	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFESA_BP1	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFESA_BP2	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFMOAA	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFO2HxA	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFO3OA	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFO4DA	<200
MW-18D	FAY-GWNEW-MW-18D-2	12/06/2017	PFO5DA	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFECA-A	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFECA-F	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFECA-G	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFESA_BP1	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFESA_BP2	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFMOAA	658
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFO2HxA	1,149
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFO3OA	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFO4DA	<200
MW-19D	FAY-GWNEW-MW-19D-1	12/06/2017	PFO5DA	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFECA-A	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFECA-F	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFECA-G	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFESA_BP1	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFESA_BP2	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFMOAA	474
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFO2HxA	971
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFO3OA	214
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFO4DA	<200
MW-19D	FAY-GWNEW-MW-19D-2	12/06/2017	PFO5DA	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFECA-A	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFECA-F	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFECA-G	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFESA_BP1	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFESA_BP2	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFMOAA	518
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFO2HxA	1,081
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFO3OA	261
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFO4DA	<200
MW-19D	FAY-GWNEW-MW-19D-D-1	12/06/2017	PFO5DA	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFECA-A	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFECA-F	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFECA-G	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFESA_BP1	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFESA_BP2	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFMOAA	582
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFO2HxA	1,089
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFO3OA	200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFO4DA	<200
MW-19D	FAY-GWNEW-MW-19D-D-2	12/06/2017	PFO5DA	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFECA-A	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFECA-F	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFECA-G	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFESA_BP1	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFESA_BP2	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFMOAA	6,627
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFO2HxA	2,720
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFO3OA	548
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFO4DA	<200
MW-20D	FAY-GWNEW-MW-20D-1	12/06/2017	PFO5DA	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFECA-A	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFECA-F	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFECA-G	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFESA_BP1	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFESA_BP2	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
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Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFMOAA	6,690
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFO2HxA	2,715
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFO3OA	557
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFO4DA	<200
MW-20D	FAY-GWNEW-MW-20D-2	12/06/2017	PFO5DA	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFECA-A	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFECA-F	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFECA-G	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFESA_BP1	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFESA_BP2	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFMOAA	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFO2HxA	268
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFO3OA	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFO4DA	<200
MW-21D	FAY-GWNEW-MW-21D-1	12/06/2017	PFO5DA	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFECA-A	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFECA-F	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFECA-G	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFESA_BP1	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFESA_BP2	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFMOAA	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFO2HxA	233
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFO3OA	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFO4DA	<200
MW-21D	FAY-GWNEW-MW-21D-2	12/06/2017	PFO5DA	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFECA-A	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFECA-F	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFECA-G	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFESA_BP1	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFESA_BP2	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFMOAA	343
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFO2HxA	490
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFO3OA	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFO4DA	<200
MW-22D	FAY-GWNEW-MW-22D-1	12/08/2017	PFO5DA	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFECA-A	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFECA-F	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFECA-G	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFESA_BP1	296
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFESA_BP2	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFMOAA	267

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFO2HxA	445
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFO3OA	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFO4DA	<200
MW-22D	FAY-GWNEW-MW-22D-2	12/08/2017	PFO5DA	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFECA-A	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFECA-F	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFECA-G	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFESA_BP1	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFESA_BP2	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFMOAA	24,422
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFO2HxA	8,498
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFO3OA	938
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFO4DA	<200
NAF-08B	FAY-GWASI-NAF-08B-1	11/16/2017	PFO5DA	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFECA-A	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFECA-F	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFECA-G	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFESA_BP1	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFESA_BP2	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFMOAA	288
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFO2HxA	1,246
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFO3OA	298
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFO4DA	<200
SMW-01	FAY-GWASI-SMW-01-1	11/21/2017	PFO5DA	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFECA-A	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFECA-F	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFECA-G	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFESA_BP1	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFESA_BP2	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFMOAA	274
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFO2HxA	1,202
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFO3OA	326
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFO4DA	<200
SMW-01	FAY-GWASI-SMW-01-2	11/21/2017	PFO5DA	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFECA-A	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFECA-F	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFECA-G	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFESA_BP1	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFESA_BP2	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFMOAA	263
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFO2HxA	1,271

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFO3OA	378
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFO4DA	<200
SMW-01	FAY-GWASI-SMW-01-D-1	11/21/2017	PFO5DA	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFECA-A	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFECA-F	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFECA-G	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFESA_BP1	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFESA_BP2	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFMOAA	376
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFO2HxA	1,227
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFO3OA	392
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFO4DA	<200
SMW-01	FAY-GWASI-SMW-01-D-2	11/21/2017	PFO5DA	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFECA-A	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFECA-F	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFECA-G	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFESA_BP1	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFESA_BP2	<200
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFMOAA	286,045
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFO2HxA	93,605
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFO3OA	14,469
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFO4DA	872
SMW-03B	FAY-GWASI-SMW-03B-1	11/20/2017	PFO5DA	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFECA-A	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFECA-F	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFECA-G	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFESA_BP1	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFESA_BP2	<200
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFMOAA	285,790
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFO2HxA	103,740
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFO3OA	14,213
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFO4DA	890
SMW-03B	FAY-GWASI-SMW-03B-2	11/20/2017	PFO5DA	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFECA-A	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFECA-F	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFECA-G	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFESA_BP1	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFESA_BP2	<200
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFMOAA	21,440
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFO2HxA	6,080
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFO3OA	1,372

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFO4DA	341
SMW-04B	FAY-GWASI-SMW-04B-1	11/20/2017	PFO5DA	<200
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFECA-A	<200
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFECA-F	<200
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFECA-G	<200
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFESA_BP1	342
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFESA_BP2	<200
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFMOAA	22,410
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFO2HxA	6,052
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFO3OA	1,406
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFO4DA	293
SMW-04B	FAY-GWASI-SMW-04B-2	11/20/2017	PFO5DA	<200
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFECA-A	<200
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFECA-F	<200
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFECA-G	<200
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFESA_BP1	275
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFESA_BP2	<200
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFMOAA	67,468
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFO2HxA	17,878
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFO3OA	5,220
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFO4DA	2,174
SMW-05P	FAY-GWASI-SMW-05P-1	11/15/2017	PFO5DA	375
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFECA-A	<200
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFECA-F	<200
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFECA-G	<200
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFESA_BP1	<200
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFESA_BP2	<200
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFMOAA	67,372
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFO2HxA	17,772
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFO3OA	5,065
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFO4DA	1,817
SMW-05P	FAY-GWASI-SMW-05P-2	11/15/2017	PFO5DA	353
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFECA-A	<200
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFECA-F	<200
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFECA-G	<200
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFESA_BP1	2,990
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFESA_BP2	1,922
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFMOAA	1,330,715
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFO2HxA	340,070
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFO3OA	67,385
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFO4DA	9,500

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-06B	FAY-GWASI-SMW-06B-1	11/21/2017	PFO5DA	522
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFECA-A	<200
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFECA-F	274
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFECA-G	<200
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFESA_BP1	3,880
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFESA_BP2	1,989
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFMOAA	1,357,825
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFO2HxA	345,835
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFO3OA	64,100
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFO4DA	9,309
SMW-06B	FAY-GWASI-SMW-06B-2	11/21/2017	PFO5DA	523
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFECA-A	<200
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFECA-F	<200
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFECA-G	<200
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFESA_BP1	1,509
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFESA_BP2	298
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFMOAA	394,635
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFO2HxA	111,610
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFO3OA	22,903
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFO4DA	5,427
SMW-08B	FAY-GWASI-SMW-08B-1	11/21/2017	PFO5DA	807
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFECA-A	<200
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFECA-F	<200
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFECA-G	<200
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFESA_BP1	1,451
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFESA_BP2	341
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFMOAA	367,955
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFO2HxA	98,395
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFO3OA	23,085
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFO4DA	5,305
SMW-08B	FAY-GWASI-SMW-08B-2	11/21/2017	PFO5DA	915
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFECA-A	<200
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFECA-F	<200
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFECA-G	<200
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFESA_BP1	8,936
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFESA_BP2	280
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFMOAA	3,095
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFO2HxA	4,078
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFO3OA	1,342
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFO4DA	847
SMW-09	FAY-GWASI-SMW-09-1	11/15/2017	PFO5DA	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFECA-A	<200
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFECA-F	<200
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFECA-G	<200
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFESA_BP1	9,015
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFESA_BP2	227
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFMOAA	2,817
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFO2HxA	4,118
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFO3OA	1,181
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFO4DA	897
SMW-09	FAY-GWASI-SMW-09-2	11/15/2017	PFO5DA	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFECA-A	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFECA-F	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFECA-G	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFESA_BP1	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFESA_BP2	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFMOAA	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFO2HxA	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFO3OA	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFO4DA	<200
SMW-10	FAY-GWASI-SMW-10-1	11/15/2017	PFO5DA	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFECA-A	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFECA-F	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFECA-G	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFESA_BP1	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFESA_BP2	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFMOAA	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFO2HxA	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFO3OA	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFO4DA	<200
SMW-10	FAY-GWASI-SMW-10-2	11/15/2017	PFO5DA	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFECA-A	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFECA-F	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFECA-G	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFESA_BP1	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFESA_BP2	<200
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFMOAA	2,289
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFO2HxA	3,482
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFO3OA	668
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFO4DA	305
SMW-11	FAY-GWASI-SMW-11-1	11/15/2017	PFO5DA	<200
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFECA-A	<200

TABLE 5b
Surficial Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFECA-F	<200
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFECA-G	<200
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFESA_BP1	<200
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFESA_BP2	<200
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFMOAA	3,277
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFO2HxA	3,951
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFO3OA	818
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFO4DA	299
SMW-11	FAY-GWASI-SMW-11-2	11/15/2017	PFO5DA	<200

Notes: ng/L = nanograms per liter
< = less than indicated reporting limit
-D = duplicate sample
-1 & -2 = replicate samples analyzed
detections are highlighted

TABLE 6a
Black Creek Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	HFPO Dimer Acid	9900 J
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorobutane Sulfonic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorodecanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorododecanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluoroheptanoic Acid	4.6
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorohexane Sulfonic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorohexanoic Acid	7.4
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorononanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluoropentanoic Acid	350
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorotetradecanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluorotridecanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	Perfluoroundecanoic Acid	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	PFOA	<2.0
BCA-01	FAY-GWNEW-BCA-01	12/07/2017	PFOS	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	HFPO Dimer Acid	9900
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorobutane Sulfonic Acid	4
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorodecanoic Acid	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorododecanoic Acid	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluoroheptanoic Acid	39
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorohexane Sulfonic Acid	5.3
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorohexanoic Acid	24
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorononanoic Acid	10
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluoropentanoic Acid	150
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorotetradecanoic Acid	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluorotridecanoic Acid	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	Perfluoroundecanoic Acid	<2.0
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	PFOA	25
BCA-02	FAY-GWNEW-BCA-02	12/11/2017	PFOS	3.7
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	HFPO Dimer Acid	9700
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorobutane Sulfonic Acid	2
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorodecanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorododecanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluoroheptanoic Acid	71
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorohexane Sulfonic Acid	2.4
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorohexanoic Acid	27
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorononanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluoropentanoic Acid	410
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorotetradecanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluorotridecanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	Perfluoroundecanoic Acid	<2.0
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	PFOA	11
BCA-03	FAY-GWNEW-BCA-03	12/11/2017	PFOS	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	HFPO Dimer Acid	<130
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorobutane Sulfonic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorodecanoic Acid	<2.0

TABLE 6a
Black Creek Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorododecanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluoroheptanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorohexane Sulfonic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorohexanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorononanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluoropentanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorotetradecanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluorotridecanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	Perfluoroundecanoic Acid	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	PFOA	<2.0
BCA-04	FAY-GWNEW-BCA-04	12/07/2017	PFOS	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	HFPO Dimer Acid	25,000
LTW-01	FAY-GWASI-LTW-01	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-01	FAY-GWASI-LTW-01	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorobutane Sulfonic Acid	3.7
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorodecanoic Acid	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorododecanoic Acid	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluoroheptanoic Acid	55
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorohexane Sulfonic Acid	11
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorohexanoic Acid	31
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorononanoic Acid	3.2
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluoropentanoic Acid	370
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorotetradecanoic Acid	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluorotridecanoic Acid	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	Perfluoroundecanoic Acid	<2.0
LTW-01	FAY-GWASI-LTW-01	11/16/2017	PFOA	83
LTW-01	FAY-GWASI-LTW-01	11/16/2017	PFOS	26
LTW-02	FAY-GWASI-LTW-02	11/16/2017	HFPO Dimer Acid	6800
LTW-02	FAY-GWASI-LTW-02	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-02	FAY-GWASI-LTW-02	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorodecanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorododecanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluoroheptanoic Acid	10
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorohexanoic Acid	8.1
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorononanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluoropentanoic Acid	240
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorotetradecanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluorotridecanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	Perfluoroundecanoic Acid	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	PFOA	<2.0
LTW-02	FAY-GWASI-LTW-02	11/16/2017	PFOS	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	HFPO Dimer Acid	9400 J
LTW-03	FAY-GWASI-LTW-03	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-03	FAY-GWASI-LTW-03	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorodecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorododecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluoroheptanoic Acid	18
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorohexanoic Acid	15
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorononanoic Acid	<2.0

TABLE 6a
Black Creek Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluoropentanoic Acid	610
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorotetradecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluorotridecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	Perfluoroundecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	PFOA	<2.0
LTW-03	FAY-GWASI-LTW-03	11/30/2017	PFOS	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	HFPO Dimer Acid	8900 J
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorodecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorododecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluoroheptanoic Acid	18
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorohexanoic Acid	14
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorononanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluoropentanoic Acid	610
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorotetradecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluorotridecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	Perfluoroundecanoic Acid	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	PFOA	<2.0
LTW-03	FAY-GWASI-LTW-03-D	11/30/2017	PFOS	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	HFPO Dimer Acid	17,000
LTW-04	FAY-GWASI-LTW-04	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-04	FAY-GWASI-LTW-04	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorodecanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorododecanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluoroheptanoic Acid	82
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorohexanoic Acid	43
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorononanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluoropentanoic Acid	1800
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorotetradecanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluorotridecanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	Perfluoroundecanoic Acid	<2.0
LTW-04	FAY-GWASI-LTW-04	11/16/2017	PFOA	7.2
LTW-04	FAY-GWASI-LTW-04	11/16/2017	PFOS	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	HFPO Dimer Acid	45,000
LTW-05	FAY-GWASI-LTW-05	11/16/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
LTW-05	FAY-GWASI-LTW-05	11/16/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorobutane Sulfonic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorodecanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorododecanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluoroheptanoic Acid	550
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorohexane Sulfonic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorohexanoic Acid	170
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorononanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluoropentanoic Acid	3900
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorotetradecanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluorotridecanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	Perfluoroundecanoic Acid	<2.0
LTW-05	FAY-GWASI-LTW-05	11/16/2017	PFOA	3

TABLE 6a
Black Creek Aquifer PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
LTW-05	FAY-GWASI-LTW-05	11/16/2017	PFOS	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	HFPO Dimer Acid	1400 J
SMW-12	FAY-GWASI-SMW-12	11/14/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SMW-12	FAY-GWASI-SMW-12	11/14/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorobutane Sulfonic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorodecanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorododecanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluoroheptanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorohexane Sulfonic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorohexanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorononanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluoropentanoic Acid	33
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorotetradecanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluorotridecanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	Perfluoroundecanoic Acid	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	PFOA	<2.0
SMW-12	FAY-GWASI-SMW-12	11/14/2017	PFOS	<2.0

Notes: ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

TABLE 6b

Black Creek Aquifer PFAS - List 2 Concentrations

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFECA-A	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFECA-F	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFECA-G	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFESA_BP1	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFESA_BP2	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFMOAA	57,690
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFO2HxA	17,953
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFO3OA	2,151
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFO4DA	<200
BCA-01	FAY-GWNEW-BCA-01-1	12/07/2017	PFO5DA	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFECA-A	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFECA-F	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFECA-G	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFESA_BP1	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFESA_BP2	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFMOAA	57,926
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFO2HxA	18,410
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFO3OA	2,076
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFO4DA	<200
BCA-01	FAY-GWNEW-BCA-01-2	12/07/2017	PFO5DA	<200
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFECA-A	<200
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFECA-F	<200
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFECA-G	<200
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFESA_BP1	<200
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFESA_BP2	341
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFMOAA	116,720
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFO2HxA	33,345
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFO3OA	9,156
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFO4DA	3,116
BCA-02	FAY-GWNEW-BCA-02-1	12/11/2017	PFO5DA	794
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFECA-A	<200
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFECA-F	<200
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFECA-G	<200
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFESA_BP1	<200
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFESA_BP2	399
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFMOAA	116,184
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFO2HxA	33,288
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFO3OA	9,919
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFO4DA	3,322
BCA-02	FAY-GWNEW-BCA-02-2	12/11/2017	PFO5DA	736
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFECA-A	<200
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFECA-F	<200

TABLE 6b
Black Creek Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFECA-G	<200
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFESA_BP1	<200
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFESA_BP2	<200
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFMOAA	217,775
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFO2HxA	77,665
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFO3OA	17,715
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFO4DA	2,934
BCA-03	FAY-GWNEW-BCA-03-1	12/11/2017	PFO5DA	<200
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFECA-A	<200
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFECA-F	<200
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFECA-G	<200
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFESA_BP1	<200
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFESA_BP2	217
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFMOAA	193,420
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFO2HxA	73,870
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFO3OA	17,104
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFO4DA	2,816
BCA-03	FAY-GWNEW-BCA-03-2	12/11/2017	PFO5DA	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFECA-A	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFECA-F	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFECA-G	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFESA_BP1	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFESA_BP2	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFMOAA	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFO2HxA	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFO3OA	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFO4DA	<200
BCA-04	FAY-GWNEW-BCA-04-1	12/07/2017	PFO5DA	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFECA-A	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFECA-F	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFECA-G	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFESA_BP1	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFESA_BP2	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFMOAA	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFO2HxA	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFO3OA	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFO4DA	<200
BCA-04	FAY-GWNEW-BCA-04-2	12/07/2017	PFO5DA	<200
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFECA-A	<200
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFECA-F	<200
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFECA-G	<200
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFESA_BP1	<200

TABLE 6b
Black Creek Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFESA_BP2	434
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFMOAA	29,061
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFO2HxA	34,888
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFO3OA	7,178
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFO4DA	1,948
LTW-01	FAY-GWASI-LTW-01-1	11/16/2017	PFO5DA	506
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFECA-A	<200
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFECA-F	<200
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFECA-G	<200
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFESA_BP1	<200
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFESA_BP2	429
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFMOAA	29,496
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFO2HxA	35,359
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFO3OA	7,291
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFO4DA	1,852
LTW-01	FAY-GWASI-LTW-01-2	11/16/2017	PFO5DA	409
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFECA-A	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFECA-F	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFECA-G	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFESA_BP1	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFESA_BP2	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFMOAA	31,056
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFO2HxA	15,118
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFO3OA	2,972
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFO4DA	<200
LTW-02	FAY-GWASI-LTW-02-1	11/16/2017	PFO5DA	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFECA-A	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFECA-F	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFECA-G	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFESA_BP1	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFESA_BP2	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFMOAA	31,848
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFO2HxA	16,450
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFO3OA	3,102
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFO4DA	<200
LTW-02	FAY-GWASI-LTW-02-2	11/16/2017	PFO5DA	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFECA-A	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFECA-F	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFECA-G	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFESA_BP1	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFESA_BP2	<200
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFMOAA	140,376

TABLE 6b
Black Creek Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFO2HxA	39,673
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFO3OA	5,727
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFO4DA	258
LTW-03	FAY-GWASI-LTW-03-1	11/30/2017	PFO5DA	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFECA-A	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFECA-F	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFECA-G	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFESA_BP1	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFESA_BP2	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFMOAA	140,305
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFO2HxA	40,664
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFO3OA	5,836
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFO4DA	<200
LTW-03	FAY-GWASI-LTW-03-D-1	11/30/2017	PFO5DA	<200
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFECA-A	<200
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFECA-F	<200
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFECA-G	<200
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFESA_BP1	<200
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFESA_BP2	327
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFMOAA	100,673
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFO2HxA	41,484
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFO3OA	7,032
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFO4DA	725
LTW-04	FAY-GWASI-LTW-04-1	11/16/2017	PFO5DA	<200
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFECA-A	<200
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFECA-F	280
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFECA-G	<200
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFESA_BP1	<200
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFESA_BP2	296
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFMOAA	99,126
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFO2HxA	42,012
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFO3OA	7,004
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFO4DA	786
LTW-04	FAY-GWASI-LTW-04-2	11/16/2017	PFO5DA	<200
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFECA-A	<200
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFECA-F	263
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFECA-G	<200
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFESA_BP1	<200
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFESA_BP2	387
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFMOAA	257,405
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFO2HxA	138,065
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFO3OA	42,265

TABLE 6b
Black Creek Aquifer PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFO4DA	4,162
LTW-05	FAY-GWASI-LTW-05-1	11/16/2017	PFO5DA	<200
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFECA-A	<200
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFECA-F	213
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFECA-G	<200
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFESA_BP1	<200
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFESA_BP2	431
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFMOAA	256,730
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFO2HxA	129,860
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFO3OA	43,142
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFO4DA	3,928
LTW-05	FAY-GWASI-LTW-05-2	11/16/2017	PFO5DA	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFECA-A	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFECA-F	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFECA-G	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFESA_BP1	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFESA_BP2	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFMOAA	1,991
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFO2HxA	1,342
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFO3OA	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFO4DA	<200
SMW-12	FAY-GWASI-SMW-12-1	11/14/2017	PFO5DA	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFECA-A	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFECA-F	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFECA-G	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFESA_BP1	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFESA_BP2	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFMOAA	2,014
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFO2HxA	1,132
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFO3OA	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFO4DA	<200
SMW-12	FAY-GWASI-SMW-12-2	11/14/2017	PFO5DA	<200

Notes: ng/L = nanograms per liter
< = less than indicated reporting limit
-D = duplicate sample
-1 & -2 = replicate samples analyzed
detections are highlighted

TABLE 7a
State Wells PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Screened Hydrogeologic Unit
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	HFPO Dimer Acid	<10	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorodecanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorododecanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluoroheptanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorohexanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorononanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluoropentanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorotetradecanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluorotridecanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	Perfluoroundecanoic Acid	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	PFOA	<2.0	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1	11/27/2017	PFOS	<2.0	Black Creek Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	HFPO Dimer Acid	970	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorodecanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorododecanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluoroheptanoic Acid	5.9	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorohexanoic Acid	8.8	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorononanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluoropentanoic Acid	22	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorotetradecanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluorotridecanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	Perfluoroundecanoic Acid	<2.0	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	PFOA	6.3	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2	11/27/2017	PFOS	<2.0	Surficial Aquifer (shallow)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	HFPO Dimer Acid	<10	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Black Creek Aquifer (deep)

TABLE 7a
State Wells PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Screened Hydrogeologic Unit
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorodecanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorododecanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluoroheptanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorohexanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorononanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluoropentanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorotetradecanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluorotridecanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	Perfluoroundecanoic Acid	<2.0	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	PFOA	2.3	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3	11/27/2017	PFOS	<2.0	Black Creek Aquifer (deep)
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	HFPO Dimer Acid	<10	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorodecanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorododecanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluoroheptanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorohexanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorononanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluoropentanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorotetradecanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluorotridecanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	Perfluoroundecanoic Acid	<2.0	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	PFOA	12	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4	11/29/2017	PFOS	<2.0	Upper Cape Fear Confining Unit
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	HFPO Dimer Acid	<10	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorodecanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorododecanoic Acid	<2.0	Upper Cape Fear Aquifer

TABLE 7a
State Wells PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Screened Hydrogeologic Unit
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluoroheptanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorohexanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorononanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluoropentanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorotetradecanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluorotridecanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	Perfluoroundecanoic Acid	<2.0	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	PFOA	29	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5	11/28/2017	PFOS	<2.0	Upper Cape Fear Aquifer
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	HFPO Dimer Acid	<10	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorodecanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorododecanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluoroheptanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorohexanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorononanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluoropentanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorotetradecanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluorotridecanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	Perfluoroundecanoic Acid	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	PFOA	<2.0	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6	11/27/2017	PFOS	<2.0	Surficial Aquifer (deep)

Notes: ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
detections are highlighted

TABLE 7b

State Wells PFAS - List 2 Concentrations

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Aquifer
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFECA-G	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFECA-F	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFO2HxA	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFO3OA	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFO4DA	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFO5DA	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFESA_BP1	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFMOAA	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFESA_BP2	<200	Black Creek Aquifer (shallow)
DMS-42V1	FAY-GWNEW-DMS-42V1-1	11/27/2017	PFECA-A	<200	Black Creek Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFECA-G	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFECA-F	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFO3OA	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFO4DA	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFO5DA	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFESA_BP1	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFESA_BP2	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFECA-A	<200	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFO2HxA	850	Surficial Aquifer (shallow)
DMS-42V2	FAY-GWNEW-DMS-42V2-1	11/27/2017	PFMOAA	312	Surficial Aquifer (shallow)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFECA-G	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFECA-F	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFO2HxA	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFO3OA	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFO4DA	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFO5DA	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFESA_BP1	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFMOAA	<200	Black Creek Aquifer (deep)
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFESA_BP2	<200	Black Creek Aquifer (deep)

TABLE 7b
State Wells PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Aquifer
DMS-42V3	FAY-GWNEW-DMS-42V3-1	11/27/2017	PFECA-A	<200	Black Creek Aquifer (deep)
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFECA-G	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFECA-F	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFO2HxA	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFO3OA	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFO4DA	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFO5DA	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFESA_BP1	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFMOAA	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFESA_BP2	<200	Upper Cape Fear Confining Unit
DMS-42V4	FAY-GWNEW-DMS-42V4-1	11/29/2017	PFECA-A	<200	Upper Cape Fear Confining Unit
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFECA-G	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFECA-F	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFO2HxA	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFO3OA	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFO4DA	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFO5DA	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFESA_BP1	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFMOAA	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFESA_BP2	<200	Upper Cape Fear Aquifer
DMS-42V5	FAY-GWNEW-DMS-42V5-1	11/28/2017	PFECA-A	<200	Upper Cape Fear Aquifer
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFECA-G	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFECA-F	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFO2HxA	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFO3OA	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFO4DA	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFO5DA	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFESA_BP1	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFMOAA	<200	Surficial Aquifer (deep)

TABLE 7b

State Wells PFAS - List 2 Concentrations

Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Date	Parameter Name	Result (ng/L)	Aquifer
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFESA_BP2	<200	Surficial Aquifer (deep)
DMS-42V6	FAY-GWNEW-DMS-42V6-1	11/27/2017	PFECA-A	<200	Surficial Aquifer (deep)

Notes: ng/L = nanograms per liter
< = less than indicated reporting limit
-D = duplicate sample
-1 & -2 = replicate samples analyzed
detections are highlighted

TABLE 8a
Soil Leachate PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	26
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	PFOA	<2.0
SB-01	FAY-SSASI-SB-01(0-.5)	0.0 - 0.5	11/27/2017	PFOS	2.1
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	HFPO Dimer Acid	14
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorodecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorododecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroheptanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorononanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoropentanoic Acid	<2.0

TABLE 8a
Soil Leachate PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotetradecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotridecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroundecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	PFOA	2.2
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	PFOS	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	HFPO Dimer Acid	<10
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorodecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorododecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroheptanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorononanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoropentanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotetradecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotridecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroundecanoic Acid	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	PFOA	<2.0
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	PFOS	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	150
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<2.0

TABLE 8a
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	2.6
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	4.3
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	15
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	<2.0
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	PFOA	4.9
SB-02	FAY-SSASI-SB-02	0.0 - 0.5	11/27/2017	PFOS	36
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	150
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	2.4
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	3.2
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	5.6
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	16
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	<2.0
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	PFOA	13
SB-03	FAY-SSASI-SB-03	0.0 - 0.5	11/27/2017	PFOS	81
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	1700

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	3.9
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	6.3
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	24
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	12
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<2.0
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	4.9
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	PFOA	3.2
SB-04	FAY-SSASI-SB-04	0.0 - 0.5	11/27/2017	PFOS	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	740
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	9.3
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	PFOA	<2.0
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	PFOS	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	11
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	PFOA	2.5
SB-06	FAY-SSASI-SB-06	0.0 - 0.5	11/28/2017	PFOS	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	15
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	2.5
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	PFOA	6.4
SB-07	FAY-SSASI-SB-07	0.0 - 0.5	11/28/2017	PFOS	6.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	95
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	3.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	3.8
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	PFOA	<2.0
SB-08	FAY-SSASI-SB-08	0.0 - 0.5	11/28/2017	PFOS	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	110
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	4.8
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	PFOA	6.0
SB-09	FAY-SSASI-SB-09(0-.5)	0.0 - 0.5	11/28/2017	PFOS	4.2
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	HFPO Dimer Acid	39
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorodecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorododecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoroheptanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorohexanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorononanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoropentanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorotetradecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorotridecanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoroundecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	PFOA	7.9
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	PFOS	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	HFPO Dimer Acid	130
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorodecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorododecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoroheptanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorohexanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorononanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoropentanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorotetradecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorotridecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoroundecanoic Acid	<2.0
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	PFOA	4.9
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	PFOS	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	140
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0

TABLE 8a
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	PFOA	7.0
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	PFOS	2.9
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	210
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	4.8
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	PFOA	8.5
SB-11	FAY-SSASI-SB-11	0.0 - 0.5	11/28/2017	PFOS	2.3
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	80
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	PFOA	16
SB-12	FAY-SSASI-SB-12	0.0 - 0.5	11/28/2017	PFOS	3.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	34
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	PFOA	11
SB-13	FAY-SSASI-SB-13	0.0 - 0.5	11/28/2017	PFOS	3.2
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	33
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<2.0
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	PFOA	10
SB-14	FAY-SSASI-SB-14	0.0 - 0.5	11/28/2017	PFOS	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	380
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	2.4
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	4.5
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	4.3
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	8.7 J
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	3.4
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	230
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	2.6
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	3.9 J
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	4.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	59
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	2.1
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	4.3
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	PFOA	6.0
SB-16	FAY-SSASI-SB-16	0.0 - 0.5	11/29/2017	PFOS	3.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	160
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	2.3
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	PFOA	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-17	FAY-SSASI-SB-17	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	110
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	PFOA	9.8
SB-18	FAY-SSASI-SB-18	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	15
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-19	FAY-SSASI-SB-19	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	93
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	2.7
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	3.5
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	5.8
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	PFOA	13
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	PFOS	3.1
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	35
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0

TABLE 8a
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	PFOA	4.7
SB-21	FAY-SSASI-SB-21	0.0 - 0.5	11/29/2017	PFOS	3.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	100
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	2.2
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	PFOA	8.3
SB-22	FAY-SSASI-SB-22	0.0 - 0.5	11/29/2017	PFOS	49

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	640 J
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	2.1
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-23	FAY-SSASI-SB-23	0.0 - 0.5	11/29/2017	PFOS	2.2
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	72
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	7.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	PFOA	2.7
SB-24	FAY-SSASI-SB-24	0.0 - 0.5	11/29/2017	PFOS	4.9
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	120
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	2.7
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	2.7
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	PFOA	2.7
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	PFOS	2.4
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	39
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-26	FAY-SSASI-SB-26	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	79
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-27	FAY-SSASI-SB-27	0.0 - 0.5	11/29/2017	PFOS	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	18

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	PFOA	<2.0
SB-28	FAY-SSASI-SB-28	0.0 - 0.5	11/29/2017	PFOS	9.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	73
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	2.7
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	2.1
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<2.0

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<2.0
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	PFOA	5.2
SB-29	FAY-SSASI-SB-29	0.0 - 0.5	11/29/2017	PFOS	7.5
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	HFPO Dimer Acid	55
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorodecanoic Acid	3.3
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorododecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluoroheptanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorohexanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorononanoic Acid	4.2
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluoropentanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorotetradecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluorotridecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	Perfluoroundecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	PFOA	<2.0
SB-30	FAY-SSASI-SB-30	0.0 - 0.5	11/30/2017	PFOS	3.4
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	HFPO Dimer Acid	50
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorodecanoic Acid	2.3
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorododecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluoroheptanoic Acid	<2.0

TABLE 8a
Soil Leachate PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorohexanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorononanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluoropentanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorotetradecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluorotridecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	Perfluoroundecanoic Acid	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	PFOA	<2.0
SB-30	FAY-SSASI-SB-30-D	0.0 - 0.5	11/30/2017	PFOS	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	HFPO Dimer Acid	80
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorodecanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorododecanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluoroheptanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorohexanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorononanoic Acid	3.3
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluoropentanoic Acid	2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorotetradecanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluorotridecanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	Perfluoroundecanoic Acid	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	PFOA	<2.0
SB-31	FAY-SSASI-SB-31	0.0 - 0.5	11/30/2017	PFOS	2.1
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	HFPO Dimer Acid	<10
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20

TABLE 8a
Soil Leachate PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorodecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorododecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoroheptanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorohexanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorononanoic Acid	8.6
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoropentanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorotetradecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorotridecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoroundecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	PFOA	<2.0
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	PFOS	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	HFPO Dimer Acid	11
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorodecanoic Acid	3.8
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorododecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroheptanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorononanoic Acid	2.6
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoropentanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotetradecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotridecanoic Acid	<2.0

TABLE 8a
Soil Leachate PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroundecanoic Acid	3.4
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	PFOA	<2.0
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	PFOS	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	HFPO Dimer Acid	30
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<20
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<20
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorobutane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorodecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorododecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroheptanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexane Sulfonic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorononanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoropentanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotetradecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotridecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroundecanoic Acid	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	PFOA	<2.0
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	PFOS	<2.0

Notes: bgs = below ground surface
ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFO2HxA	211.9 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-1 (0-.5)	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	325.8 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	271.8 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFO2HxA	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-2 (0-.5)	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	481.8 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	<200 J

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	341.6 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	330 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFO2HxA	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (0-.5)	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	355.3 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	291.2 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-01	FAY-SSASI-SB-01-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFMOAA	482.2 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFO2HxA	768.5 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-02	FAY-SSASI-SB-02-1	0.0 - 0.5	11/27/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFMOAA	524.4 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFO2HxA	805.3 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-02	FAY-SSASI-SB-02-2	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFMOAA	568.2 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFO2HxA	840.2 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-02	FAY-SSASI-SB-02-3	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFMOAA	771.5 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFO2HxA	940 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-03	FAY-SSASI-SB-03-1	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFMOAA	841.4 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFO2HxA	941.1 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-03	FAY-SSASI-SB-03-2	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFMOAA	751.5 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFO2HxA	797.8 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-03	FAY-SSASI-SB-03-3	0.0 - 0.5	11/27/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFMOAA	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFO2HxA	461 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-04	FAY-SSASI-SB-04-1	0.0 - 0.5	11/27/2017	PFO5DA	417.4 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFMOAA	353 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFO2HxA	746.6 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFO3OA	669.1 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFO4DA	205.2 J
SB-04	FAY-SSASI-SB-04-2	0.0 - 0.5	11/27/2017	PFO5DA	485 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFMOAA	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFO2HxA	441.4 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-04	FAY-SSASI-SB-04-3	0.0 - 0.5	11/27/2017	PFO5DA	456.6 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFMOAA	314.3 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFO2HxA	963.9 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-05	FAY-SSASI-SB-05-1	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFMOAA	269.7 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFO2HxA	1086.5 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-05	FAY-SSASI-SB-05-2	0.0 - 0.5	11/27/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFECA-A	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFECA-F	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFECA-G	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFESA_BP1	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFESA_BP2	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFMOAA	247.9 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFO2HxA	873.1 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFO3OA	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFO4DA	<200 J
SB-05	FAY-SSASI-SB-05-3	0.0 - 0.5	11/27/2017	PFO5DA	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-06	FAY-SSASI-SB-06-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J

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SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-06	FAY-SSASI-SB-06-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-06	FAY-SSASI-SB-06-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-07	FAY-SSASI-SB-07-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-07	FAY-SSASI-SB-07-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-07	FAY-SSASI-SB-07-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFO2HxA	472.2 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-08	FAY-SSASI-SB-08-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFMOAA	339.5 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFO2HxA	721.7 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-08	FAY-SSASI-SB-08-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFMOAA	731.9 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFO2HxA	3013.6 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-08	FAY-SSASI-SB-08-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFO2HxA	364.7 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-1 (0-.5)	0.0 - 0.5	11/28/2017	PFO5DA	266.7 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFMOAA	208.7 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFO2HxA	318.5 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-1 (4.5-5)	4.5 - 5.0	11/30/2017	PFO5DA	<200 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFMOAA	667 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFO2HxA	1640.1 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFO3OA	352.9 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFO4DA	574.9 J
SB-09	FAY-SSASI-SB-09-1 (9.5-10)	9.5 - 10.0	11/30/2017	PFO5DA	984.1 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFO2HxA	506.7 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-2 (0-.5)	0.0 - 0.5	11/28/2017	PFO5DA	301.9 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFMOAA	216.7 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFO2HxA	449.6 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-2 (4.5-5)	4.5 - 5.0	11/30/2017	PFO5DA	224.3 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFMOAA	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFO2HxA	592.9 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-2 (9.5-10)	9.5 - 10.0	11/30/2017	PFO5DA	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFO2HxA	346.9 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-3 (0-.5)	0.0 - 0.5	11/28/2017	PFO5DA	356.1 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFMOAA	284.8 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFO2HxA	369.6 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-3 (4.5-5)	4.5 - 5.0	11/30/2017	PFO5DA	200.6 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-A	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-F	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFECA-G	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP1	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFESA_BP2	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFMOAA	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFO2HxA	406.8 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFO3OA	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFO4DA	<200 J
SB-09	FAY-SSASI-SB-09-3 (9.5-10)	9.5 - 10.0	11/30/2017	PFO5DA	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFO2HxA	217.3 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-10	FAY-SSASI-SB-10-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFO2HxA	236.9 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-10	FAY-SSASI-SB-10-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFO2HxA	258.4 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-10	FAY-SSASI-SB-10-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFO2HxA	848 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-11	FAY-SSASI-SB-11-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFMOAA	217.9 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFO2HxA	891.8 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-11	FAY-SSASI-SB-11-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFMOAA	261 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFO2HxA	753.5 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-11	FAY-SSASI-SB-11-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFO2HxA	300.3 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-12	FAY-SSASI-SB-12-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFO2HxA	354.3 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-12	FAY-SSASI-SB-12-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFMOAA	673.6 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFO2HxA	317.5 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-12	FAY-SSASI-SB-12-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFMOAA	279.2 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFO2HxA	719.5 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-13	FAY-SSASI-SB-13-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFO2HxA	257 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-13	FAY-SSASI-SB-13-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFO2HxA	253.3 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-13	FAY-SSASI-SB-13-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFO2HxA	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-14	FAY-SSASI-SB-14-1	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFO2HxA	228.1 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-14	FAY-SSASI-SB-14-2	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFECA-A	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFECA-F	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFECA-G	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFESA_BP1	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFESA_BP2	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFMOAA	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFO2HxA	220.1 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFO3OA	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFO4DA	<200 J
SB-14	FAY-SSASI-SB-14-3	0.0 - 0.5	11/28/2017	PFO5DA	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFMOAA	633 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFO2HxA	1226.8 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-15	FAY-SSASI-SB-15-1	0.0 - 0.5	11/29/2017	PFO5DA	539.8 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFMOAA	572.4 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFO2HxA	993.2 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-15	FAY-SSASI-SB-15-1-D	0.0 - 0.5	11/29/2017	PFO5DA	201.1 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFMOAA	634.4 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFO2HxA	1286.5 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFO3OA	225.6 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFO4DA	215.5 J
SB-15	FAY-SSASI-SB-15-2	0.0 - 0.5	11/29/2017	PFO5DA	649.6 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFMOAA	678.2 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFO2HxA	995.9 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-15	FAY-SSASI-SB-15-2-D	0.0 - 0.5	11/29/2017	PFO5DA	387.3 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFMOAA	823.6 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFO2HxA	1509.6 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFO3OA	230.9 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-15	FAY-SSASI-SB-15-3	0.0 - 0.5	11/29/2017	PFO5DA	623.8 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFMOAA	716.1 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFO2HxA	901.6 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-15	FAY-SSASI-SB-15-3-D	0.0 - 0.5	11/29/2017	PFO5DA	254.4 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-16	FAY-SSASI-SB-16-1	0.0 - 0.5	11/29/2017	PFO5DA	212.8 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFO2HxA	277.1 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-16	FAY-SSASI-SB-16-2	0.0 - 0.5	11/29/2017	PFO5DA	220.9 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFO2HxA	313.5 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-16	FAY-SSASI-SB-16-3	0.0 - 0.5	11/29/2017	PFO5DA	282.1 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFO2HxA	352.6 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-17	FAY-SSASI-SB-17-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFO2HxA	376.4 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-17	FAY-SSASI-SB-17-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFO2HxA	505.7 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-17	FAY-SSASI-SB-17-3	0.0 - 0.5	11/29/2017	PFO5DA	258.2 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFO2HxA	262 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-18	FAY-SSASI-SB-18-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-18	FAY-SSASI-SB-18-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFO2HxA	234.1 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-18	FAY-SSASI-SB-18-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFESA_BP2	316 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFMOAA	334.1 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFO2HxA	1243.3 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFO3OA	383.5 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFO4DA	263.7 J
SB-19	FAY-SSASI-SB-19-1	0.0 - 0.5	11/29/2017	PFO5DA	268.1 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-19	FAY-SSASI-SB-19-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-19	FAY-SSASI-SB-19-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFO2HxA	270.3 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-20	FAY-SSASI-SB-20-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFO2HxA	205.9 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-20	FAY-SSASI-SB-20-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-21	FAY-SSASI-SB-21-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFMOAA	223.7 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFO2HxA	819.7 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFO3OA	344.1 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFO4DA	329.8 J
SB-21	FAY-SSASI-SB-21-2	0.0 - 0.5	11/29/2017	PFO5DA	502.7 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFO2HxA	331.5 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-21	FAY-SSASI-SB-21-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-22	FAY-SSASI-SB-22-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFO2HxA	298.3 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-22	FAY-SSASI-SB-22-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFO2HxA	222.5 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-22	FAY-SSASI-SB-22-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFO2HxA	350.2 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-23	FAY-SSASI-SB-23-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-23	FAY-SSASI-SB-23-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFESA_BP2	417.5 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFMOAA	216.6 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFO2HxA	737.4 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFO4DA	200.7 J
SB-23	FAY-SSASI-SB-23-3	0.0 - 0.5	11/29/2017	PFO5DA	258 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFMOAA	312.2 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFO2HxA	520.5 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFO3OA	215.5 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-24	FAY-SSASI-SB-24-1	0.0 - 0.5	11/29/2017	PFO5DA	461.5 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFMOAA	395 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFO2HxA	619.7 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-24	FAY-SSASI-SB-24-2	0.0 - 0.5	11/29/2017	PFO5DA	344.3 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFO2HxA	295.8 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-24	FAY-SSASI-SB-24-3	0.0 - 0.5	11/29/2017	PFO5DA	379.5 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFMOAA	205.3 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFO2HxA	321 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-25	FAY-SSASI-SB-25-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFMOAA	272.6 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFO2HxA	483 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-25	FAY-SSASI-SB-25-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-25	FAY-SSASI-SB-25-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-26	FAY-SSASI-SB-26-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFO2HxA	302 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-26	FAY-SSASI-SB-26-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-26	FAY-SSASI-SB-26-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-27	FAY-SSASI-SB-27-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-27	FAY-SSASI-SB-27-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-27	FAY-SSASI-SB-27-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFO2HxA	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-28	FAY-SSASI-SB-28-1	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFO2HxA	293.1 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-28	FAY-SSASI-SB-28-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFO2HxA	456.9 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-28	FAY-SSASI-SB-28-3	0.0 - 0.5	11/29/2017	PFO5DA	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFO2HxA	494.6 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-29	FAY-SSASI-SB-29-1	0.0 - 0.5	11/29/2017	PFO5DA	201.3 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFMOAA	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFO2HxA	462.5 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-29	FAY-SSASI-SB-29-2	0.0 - 0.5	11/29/2017	PFO5DA	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFECA-A	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFECA-F	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFECA-G	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFESA_BP1	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFESA_BP2	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFMOAA	320.1 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFO2HxA	695.3 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFO3OA	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFO4DA	<200 J
SB-29	FAY-SSASI-SB-29-3	0.0 - 0.5	11/29/2017	PFO5DA	346.6 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFMOAA	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFO2HxA	462 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-1	0.0 - 0.5	11/30/2017	PFO5DA	278.2 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFMOAA	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFO2HxA	483.7 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-1-D	0.0 - 0.5	11/30/2017	PFO5DA	259.3 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFMOAA	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFO2HxA	457.4 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-2	0.0 - 0.5	11/30/2017	PFO5DA	355.4 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFMOAA	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFO2HxA	381.5 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-2-D	0.0 - 0.5	11/30/2017	PFO5DA	201.7 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFMOAA	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFO2HxA	391.2 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-3	0.0 - 0.5	11/30/2017	PFO5DA	395.6 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFMOAA	260.3 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFO2HxA	781 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFO3OA	235.9 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-30	FAY-SSASI-SB-30-3-D	0.0 - 0.5	11/30/2017	PFO5DA	225.6 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFMOAA	472.8 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFO2HxA	1024.3 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-31	FAY-SSASI-SB-31-1	0.0 - 0.5	11/30/2017	PFO5DA	461.2 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFMOAA	303 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFO2HxA	756.3 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-31	FAY-SSASI-SB-31-2	0.0 - 0.5	11/30/2017	PFO5DA	354.7 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFECA-A	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFECA-F	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFECA-G	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFESA_BP1	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFESA_BP2	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFMOAA	220 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFO2HxA	657.2 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFO3OA	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFO4DA	<200 J
SB-31	FAY-SSASI-SB-31-3	0.0 - 0.5	11/30/2017	PFO5DA	389 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFMOAA	444 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO2HxA	377.3 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-1 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO5DA	347.8 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	340.7 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-1 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J

TABLE 8b
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Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	282.6 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	354.7 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-1 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFMOAA	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO2HxA	274.8 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-2 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO5DA	215.7 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	380.4 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	1996.5 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	512.7 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	407.7 J
SB-32	FAY-SSASI-SB-32-2 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	406 J

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	431 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	553.3 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-2 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFMOAA	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO2HxA	319.5 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-3 (0.0-0.5)	0.0 - 0.5	12/01/2017	PFO5DA	284.6 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFESA_BP2	<200 J

TABLE 8b
Soil Leachate PFAS - List 2 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/L)
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFMOAA	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO2HxA	537 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-3 (4.5-5)	4.5 - 5.0	12/01/2017	PFO5DA	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-A	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-F	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFECA-G	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP1	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFESA_BP2	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFMOAA	353.3 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO2HxA	488.6 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO3OA	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO4DA	<200 J
SB-32	FAY-SSASI-SB-32-3 (9.5-10)	9.5 - 10.0	12/01/2017	PFO5DA	<200 J

Notes: bgs = below ground surface
ng/L = nanograms per liter
J = estimated value
< = less than indicated reporting limit
-1 , -2 , -3 = replicate sample analyzed
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	HFPO Dimer Acid	<1300
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorodecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorododecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroheptanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorononanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoropentanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotetradecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotridecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroundecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	PFOA	<200 J
SB-01	FAY-SSASI-Sb-01(4.5-5)	4.5 - 5.0	12/01/2017	PFOS	<230 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	HFPO Dimer Acid	<1300
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorodecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorododecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroheptanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorononanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoropentanoic Acid	<200 J

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotetradecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotridecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroundecanoic Acid	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	PFOA	<200 J
SB-01	FAY-SSASI-Sb-01(9.5-10)	9.5 - 10.0	12/01/2017	PFOS	<210 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	HFPO Dimer Acid	39,000 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorodecanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorododecanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoroheptanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorohexanoic Acid	310 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorononanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoropentanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorotetradecanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluorotridecanoic Acid	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	Perfluoroundecanoic Acid	420 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	PFOA	<200 J
SB-05	FAY-SSASI-SB-05	0.0 - 0.5	11/27/2017	PFOS	<220 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	HFPO Dimer Acid	<1300
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorodecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorododecanoic Acid	<200 J

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoroheptanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorohexanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorononanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoropentanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorotetradecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluorotridecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	Perfluoroundecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	PFOA	230 J
SB-09	FAY-SSASI-SB-09(4.5-5)	4.5 - 5.0	11/30/2017	PFOS	<250 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	HFPO Dimer Acid	28,000
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorodecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorododecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoroheptanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorohexanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorononanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoropentanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorotetradecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluorotridecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	Perfluoroundecanoic Acid	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	PFOA	<200 J
SB-09	FAY-SSASI-SB-09(9.5-10)	9.5 - 10.0	11/30/2017	PFOS	<220 J
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	HFPO Dimer Acid	5600

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorobutane Sulfonic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorodecanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorododecanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoroheptanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorohexane Sulfonic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorohexanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorononanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoropentanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorotetradecanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluorotridecanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	Perfluoroundecanoic Acid	<200
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	PFOA	520
SB-10	FAY-SSASI-SB-10	0.0 - 0.5	11/28/2017	PFOS	230
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	20,000
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	220
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	600
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<200

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	210
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	620
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	PFOA	<200
SB-15	FAY-SSASI-SB-15	0.0 - 0.5	11/29/2017	PFOS	<210
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	18,000
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	320
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	490
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	360
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	1000
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	PFOA	<200
SB-15	FAY-SSASI-SB-15-D	0.0 - 0.5	11/29/2017	PFOS	<210
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	1500
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<200

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	800 J
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<200
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	PFOA	670 J
SB-20	FAY-SSASI-SB-20	0.0 - 0.5	11/29/2017	PFOS	390 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	HFPO Dimer Acid	3100
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorobutane Sulfonic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorodecanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorododecanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoroheptanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorohexane Sulfonic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorohexanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorononanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoropentanoic Acid	200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorotetradecanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluorotridecanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	Perfluoroundecanoic Acid	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	PFOA	<200 J
SB-25	FAY-SSASI-SB-25	0.0 - 0.5	11/29/2017	PFOS	<220 J
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	HFPO Dimer Acid	<1300
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorobutane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorodecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorododecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoroheptanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorohexane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorohexanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorononanoic Acid	230
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoropentanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorotetradecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluorotridecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	Perfluoroundecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	PFOA	<200
SB-32	FAY-SSASI-Sb-32(0.0-0.5)	0.0 - 0.5	12/01/2017	PFOS	<230
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	HFPO Dimer Acid	<1300
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorobutane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorodecanoic Acid	210 J
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorododecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroheptanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorohexanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorononanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoropentanoic Acid	200 J
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotetradecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluorotridecanoic Acid	260 J

TABLE 9
Soil Total PFAS - List 1 Concentrations
Additional Site Investigation Report
Chemours Fayetteville Works
Fayetteville, North Carolina

Location ID	Field Sample ID	Sample Depth Interval (feet bgs)	Sample Date	Parameter Name	Result (ng/kg)
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	Perfluoroundecanoic Acid	570 J
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	PFOA	<200
SB-32	FAY-SSASI-Sb-32(4.5-5)	4.5 - 5.0	12/01/2017	PFOS	230 J
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	HFPO Dimer Acid	<1300
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	N-ethyl perfluorooctane sulfonamidoacetic acid	<2000
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	N-methyl perfluorooctane sulfonamidoacetic acid	<2000
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorobutane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorodecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorododecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroheptanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexane Sulfonic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorohexanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorononanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoropentanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotetradecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluorotridecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	Perfluoroundecanoic Acid	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	PFOA	<200
SB-32	FAY-SSASI-Sb-32(9.5-10)	9.5 - 10.0	12/01/2017	PFOS	<250

Notes: bgs = below ground surface
ng/kg = nanograms per kilogram
J = estimated value
< = less than indicated reporting limit
-D = dash-D at end of Field Sample ID indicates a duplicate sample
detections are highlighted

APPENDIX A
LABORATORY ANALYTICAL REPORTS
(PROVIDED ELECTRONICALLY ON ATTACHED CD)

APPENDIX B
BORING LOGS

PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/30/17
Date Completed	: 12/1/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

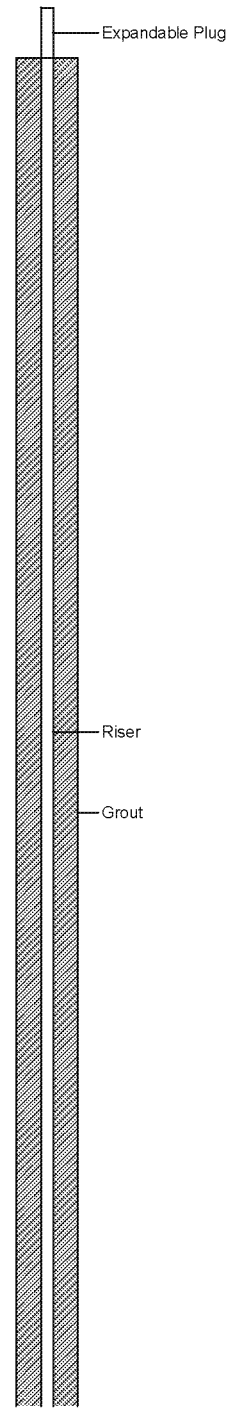
LOG OF BORING: MW-22D

Grade Elevation	: 146.571
TOC Elevation	: 149.063
Northing	: 398518.177
Easting	: 2048362.681

Depth in feet	Surf. Elev.146.571	DESCRIPTION	USCS
0	146	SANDY SILT: tan, slightly damp, medium-grained, loose	ML
2	144	CLAYEY SAND: reddish brown, slightly damp, medium-grained, crumbly	SC
4	142		
6	140		
8	138		
10	136		
12	134	SAND: light grey, slightly damp, medium-grained, loose	SP
14	132	tan, slightly damp, fine-grained, loose	SP
16	130		
18	128	SILTY SAND: orangish brown, slightly damp, medium and coarse-grained, loose	SM
20	126		
22	124		
24		SAND: tan, damp, fine-grained, loose with little Silt	SP

GRAPHIC

Well: MW-22D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 6"

WELL SCREEN

Material : PVC wire-wrapped 52'-62'
: Stainless wire-wrapped 62'-72'
Diameter : 6"
Slot Size : 0.030
Length : 20'

SAND PACK

Material : #4 sand

ANNULAR SEAL

Material : Bentonite - Cement Mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Core samples were not collected. Lithologic descriptions are taken from nearby well MW-16D, with the exception of the clay layer identified at 72' in MW-22D rather than 80' (in MW-16D).

North Carolina State Plane coordinates, NAD83 (2011)

Mean Sea Level Elevations NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

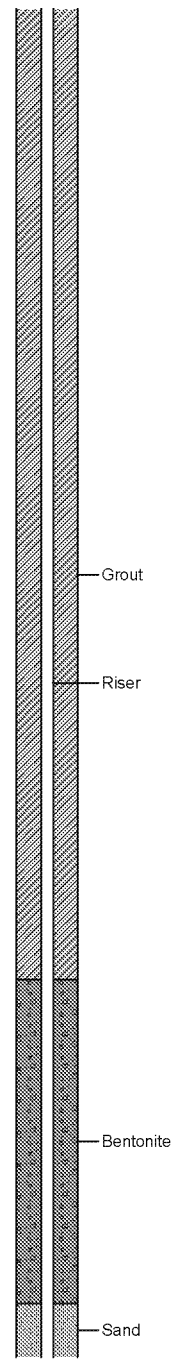
Date Started	: 11/30/17
Date Completed	: 12/1/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-22D

Grade Elevation	: 146.571
TOC Elevation	: 149.063
Northing	: 398518.177
Easting	: 2048362.681

Depth in feet	Surf. Elev.146.571	DESCRIPTION	USCS	GRAPHIC
25	121	orangish red	SP	
		light grey	SP	
27	119	SILTY SAND: orangish brown with red red banding, damp, fine-grained, micaceous	SM	
29	117			
31	115	SAND: tan, greyish white, damp, fine-grained, with mica	SP	
33	113			
35	111			
37	109			
39	107	SANDY CLAY: light grey, very slightly damp, fine-grained, micaceous, ribbons approximately 1" to 1.5"	CL	
		SAND: brown, damp, coarse-grained	SP	
41	105	tan, medium-grained, loose	SP	
43	103			
45	101	reddish brown, grading to brown, wet, medium-grained, loose	SP	
47	99	SILTY SAND: brown, wet, medium-grained, loose, with a clay lense from 52-52.5'	SM	
49				

Well: MW-22D



Well Construction Information

WELL RISER

Material	: PVC
Diameter	: 6"

WELL SCREEN

Material	: PVC wire-wrapped 52'-62'
	: Stainless wire-wrapped 62'-72'
Diameter	: 6"
Slot Size	: 0.030
Length	: 20'

SAND PACK

Material	: #4 sand

ANNULAR SEAL

Material	: Bentonite - Cement Mix

ELEVATION SURVEY

Surveyor	: Donaldson, Garrett & Assoc.
Survey Date	: 12/20/17

NOTES:

Core samples were not collected. Lithologic descriptions are taken from nearby well MW-16D, with the exception of the clay layer identified at 72' in MW-22D rather than 80' (in MW-16D).

North Carolina State Plane coordinates, NAD83 (2011)

Mean Sea Level Elevations NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

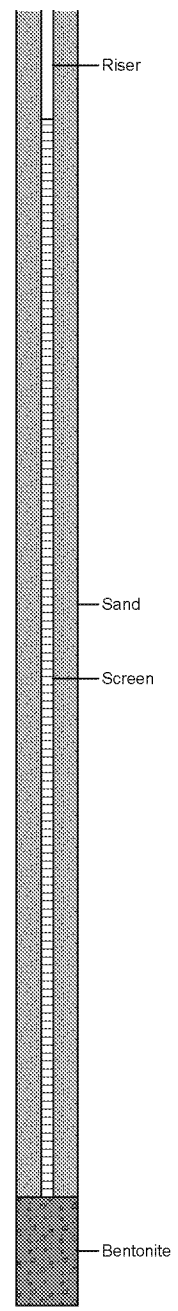
Date Started	: 11/30/17
Date Completed	: 12/1/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-22D

Grade Elevation	: 146.571
TOC Elevation	: 149.063
Northing	: 398518.177
Easting	: 2048362.681

Depth in feet	Surf. Elev.146.571	DESCRIPTION	USCS	GRAPHIC
50	96			
52	94		SM	
54	92			
56	90	SILTY SAND: orangish brown, wet, medium-grained, loose, soft clay lense from 55-55.25'	SM	
58	88			
60	86	orangish brown, wet, fine-grained, with mica	SM	
62	84	SAND: tan, wet, coarse-grained, micaceous	SP	
64	82	SILTY SAND: tan, wet, fine-grained, micaceous	SM	
66	80			
68	78	SAND: tan, wet, medium-grained, loose, micaceous	SP	
70	76	SILTY SAND: Tan, wet, fine-grained, loose, micaceous	SM	
72	74	CLAY: dark grey, very stiff	CL	
74		End of Boring		

Well: MW-22D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 6"

WELL SCREEN

Material : PVC wire-wrapped 52'-62'
: Stainless wire-wrapped 62'-72'
Diameter : 6"
Slot Size : 0.030
Length : 20'

SAND PACK

Material : #4 sand

ANNULAR SEAL

Material : Bentonite - Cement Mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Core samples were not collected. Lithologic descriptions are taken from nearby well MW-16D, with the exception of the clay layer identified at 72' in MW-22D rather than 80' (in MW-16D).

North Carolina State Plane coordinates, NAD83 (2011)

Mean Sea Level Elevations NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-01

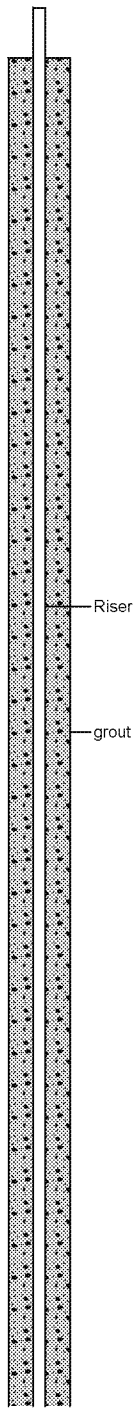
Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev. 143.263	DESCRIPTION	USCS
0	143	SAND: light grey, fine-grained, loose, damp	SP
2	141		
4	139		
6	137		
8	135		
10	133	SILTY SAND: light brown, fine-grained, loose, damp	SM
12	131		
14	129	SAND: yellowish orange, fine-grained, loose, damp	SP
		CLAY: grey, firm, with mica	CL
16	127		
18	125	SAND: light grey and light brown, fine-grained, damp	SP
20			

GRAPHIC

Depth in feet: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Well: BCA-01



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

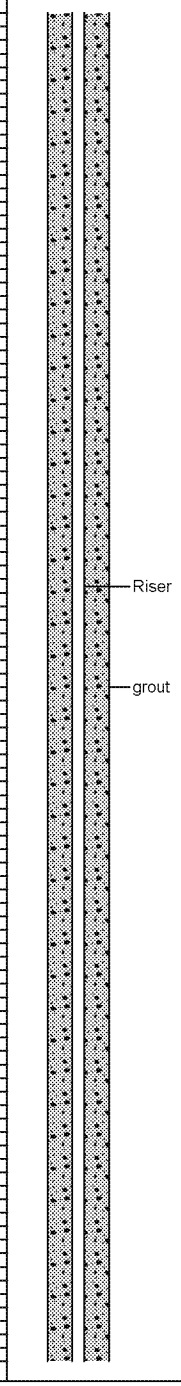
Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS	GRAPHIC
20	123			
22	121			
24	119			
26	117		SP	
28	115			
30	113			
32	111	CLAY: black, stiff	CL	
34	109	SAND: layers of light brown, purple and light grey, fine-grained, damp	SP	
36	107	medium-grained, loose, moist	SP	
38	105			
40				

Well: BCA-01



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

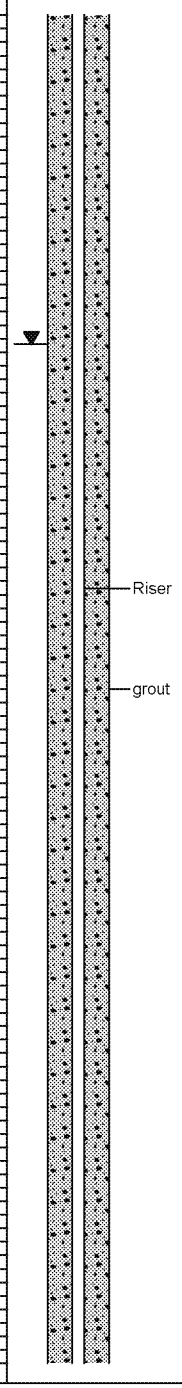
LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS
40	103		
42	101		
44	99		
46	97		SP
48	95		
50	93		
52	91	white, fine-grained, loose, damp	
54	89		SP
56	87	light grey and light brown, medium-grained, loose, wet	
58	85		SP
60			

GRAPHIC

Well: BCA-01



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

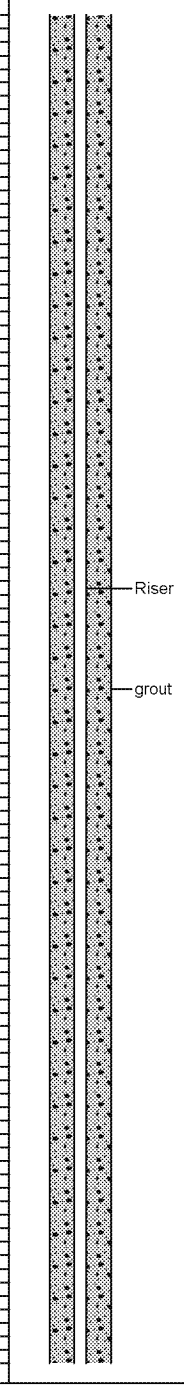
LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS
60	83		SP
		CLAY: dark grey, stiff	CL
62	81		
64	79	SAND: medium-grey, medium-grained, loose, wet	SP
66	77		
68	75		
70	73	light brown	SP
		CLAY: dark grey, stiff, with thin fine sand partings and mica	CL
72	71		
74	69		
76	67		
78	65		
80			

GRAPHIC

Well: BCA-01



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

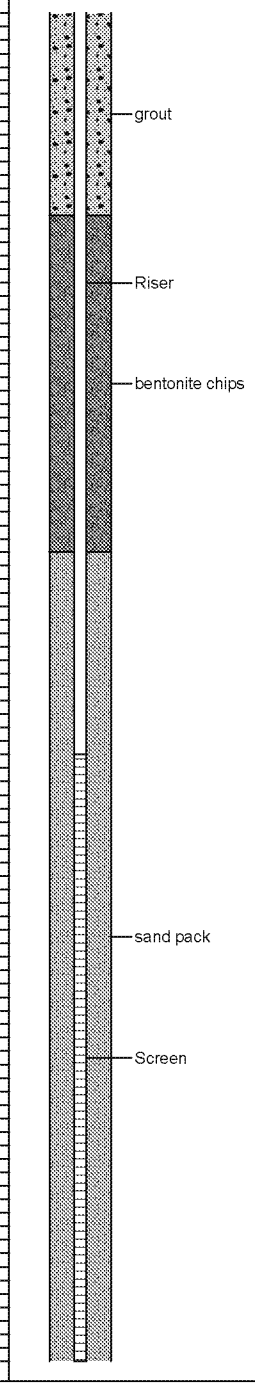
LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS
80	63		
82	61		
84	59		CL
86	57		
88	55		
90	53	SAND: grey, fine to medium-grained, wet	SP
		CLAY: dark grey, stiff	
92	51		CL
94	49		
96	47	Interbedded CLAY and CLAYEY SAND: dark grey, hard, medium-grained sand, wet	CL
98	45		
100			

GRAPHIC

Well: BCA-01



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

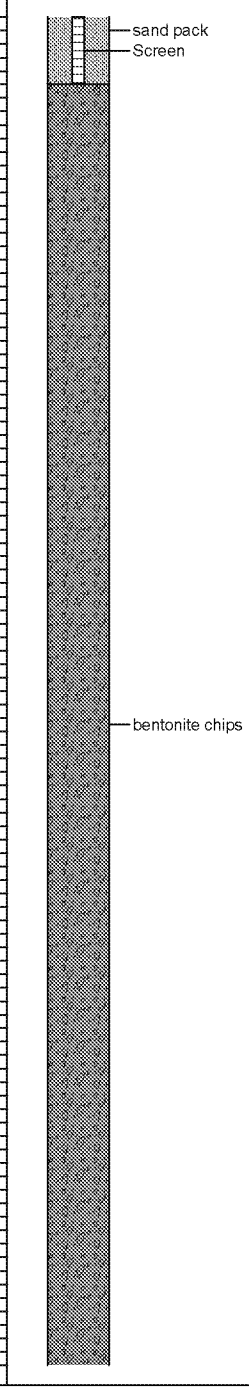
Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS	GRAPHIC
100	43		CL	
		CLAY: dark grey, hard		
102	41			
104	39			
106	37			
108	35		CL	
110	33			
112	31			
114	29			
		light grey, very hard		
116	27			
118	25		CL	
120				

Well: BCA-01



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

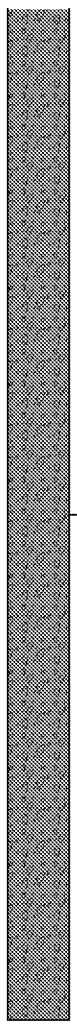
Date Started	: 11/19/17
Date Completed	: 11/20/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-01

Grade Elevation	: 143.263
TOC Elevation	: 146.297
Northing	: 399780.058
Easting	: 2050662.219

Depth in feet	Surf. Elev.143.263	DESCRIPTION	USCS	GRAPHIC	Depth in feet
120	23				120
122	21				122
124	19				124
126	17				126
128	15		CL		128
130	13				130
132	11				132
134	9				134
136	7	END OF BORING			136
138	5				138
140					140

Well: BCA-01



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett and Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 16' and at 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/16/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

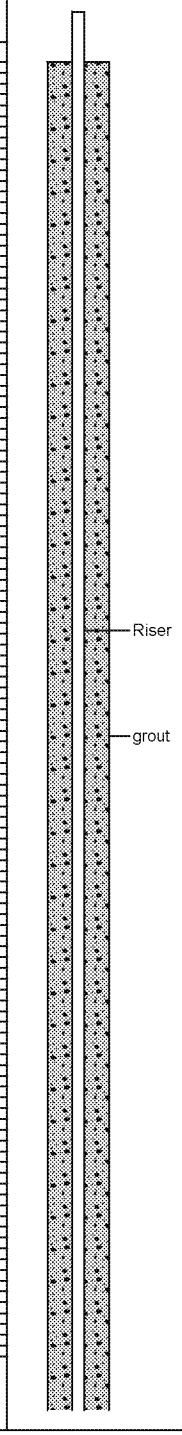
LOG OF BORING: BCA-02

Grade Elevation	: 145.201
TOC Elevation	: 148.421
Northing	: 396242.322
Easting	: 2051062.209

Depth in feet	Surf. Elev.145.201	DESCRIPTION	USCS
0	145	SANDY CLAY: light brown, fine-grained sand, dry	CL
2	143		
4	141		
		SAND: dark yellowish orange, fine to medium-grained, loose, dry	SP
6	139		
8	137		
10	135	moist	SP
12	133		
		coarse-grained, wet	SP
14	131		
		CLAY: dark grey to black, stiff	CL
16	129		
18	127		
20	125		
22	123		
24			

GRAPHIC

Well: BCA-02



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 20' and 65'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/16/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

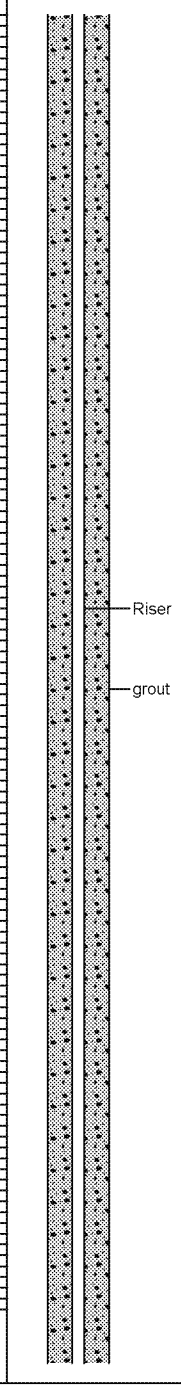
LOG OF BORING: BCA-02

Grade Elevation	: 145.201
TOC Elevation	: 148.421
Northing	: 396242.322
Easting	: 2051062.209

Depth in feet	Surf. Elev.145.201	DESCRIPTION	USCS
25	120	CLAY: dark grey, stiff to hard, damp, plastic	CL
27	118		
29	116		
31	114		
33	112		
35	110		
37	108		
39	106		
41	104		
43	102		
45	100		
47	98	SAND: light brown and light grey, fine to medium-grained, loose, wet	SP
49		CLAY: black, organic-rich, damp	CL

GRAPHIC

Well: BCA-02



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 20' and 65'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/16/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

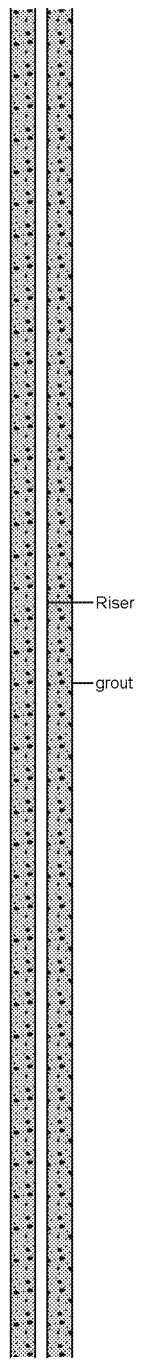
LOG OF BORING: BCA-02

Grade Elevation	: 145.201
TOC Elevation	: 148.421
Northing	: 396242.322
Easting	: 2051062.209

Depth in feet	Surf. Elev.145.201	DESCRIPTION	USCS
50	95	SAND: yellowish-oange, fine-grained, very moist	SP
		medium-grained	SP
52	93	dark grey, fine to medium-grained, moist	SP
54	91	medium to coarse-grained, very moist	SP
56	89	CLAY: dark grey	CL
58	87	SILTY SAND: dark grey, fine-grained, micaceous, wet	SM
60	85	CLAY: dark grey, stiff	CL
62	83		
64	81		
66	79		
68	77		
70	75	SAND: light gray, medium-grained, moist	SP
72	73	SILTY SAND: light to medium grey, fine-grained, micaceous, moist	SM
74		SAND: interbedded light and dark grey layers, fine-grained, moist, some mica,	SP

GRAPHIC

Well: BCA-02



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 20' and 65'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Corporate Remediation Group
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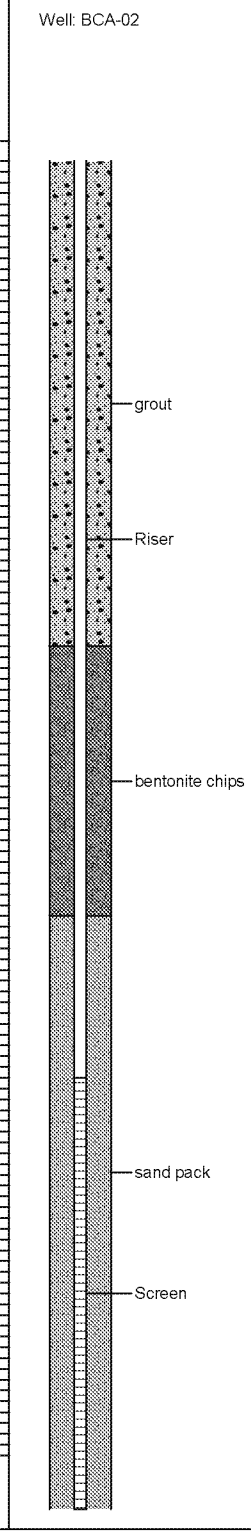
Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/16/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-02

Grade Elevation	: 145.201
TOC Elevation	: 148.421
Northing	: 396242.322
Easting	: 2051062.209

Depth in feet	Surf. Elev.145.201	DESCRIPTION	USCS
75	70		SP
77	68	medium-grained	SP
79	66	SAND and CLAY interbedded: medium-grained, with mica and wood fragments, very moist	SC
81	64		
83	62	SAND: light to medium grey, medium-grained, coarsening downward, wet	SP
		CLAY: lense	CL
85	60	SAND: grey, medium-grained, trace mica, loose, very moist to wet	SP
87	58		
89	56		
91	54		
93	52		
95	50		
97	48	dark grey, fine interbedded clay lenses, micaceous	SP
99		CLAY: black, organic-rich, with wood fragments, with sand	CL



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 20' and 65'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

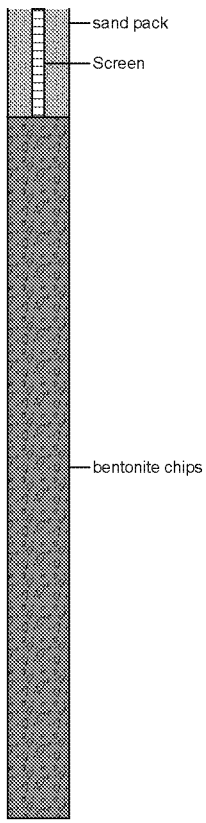
Date Started	: 11/16/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-02

Grade Elevation	: 145.201
TOC Elevation	: 148.421
Northing	: 396242.322
Easting	: 2051062.209

Depth in feet	Surf. Elev.145.201	DESCRIPTION	USCS	GRAPHIC
100	45	SAND: grey, medium-grained, trace mica, moist, one clay lense at 101'	SP	
102	43	CLAY: dark grey, stiff	CL	
104	41			
106	39	SAND: light to medium grey, medium-grained, with clay lenses	SP	
		organic-rich	SP	
108	37	CLAY: dark grey, hard with thin greenish-grey fine sand layers, with some organic-rich layers with mica	CL	
110	35			
112	33			
114	31			
		END OF BORING		
116	29			
118	27			
120	25			
122	23			
124				

Well: BCA-02



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 20' and 65'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/14/17
Date Completed	: 11/15/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

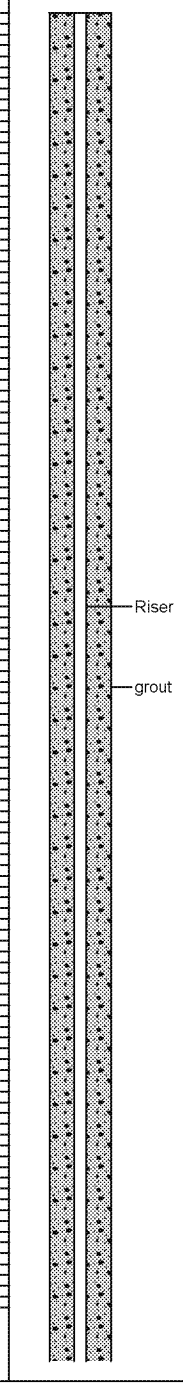
LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS
0	147	SAND: light brown, fine to medium-grained, loose, dry	SP
2	145		
4	143		
6	141	yellowish orange, medium-grained, trace coarse grains, loose, moist	SP
8	139		
10	137		
12	135	light gray, medium to coarse-grained, loose, wet	SP
14	133	CLAY: yellowish orange, soft, wet	CL
16	131	SAND: yellowish orange, medium to coarse-grained, loose, wet	SP
18	129	CLAY: yellowish orange, soft, wet	CL
20	127	dark grey, stiff to hard, damp	CL
22	125		
24			

GRAPHIC

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25' and 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

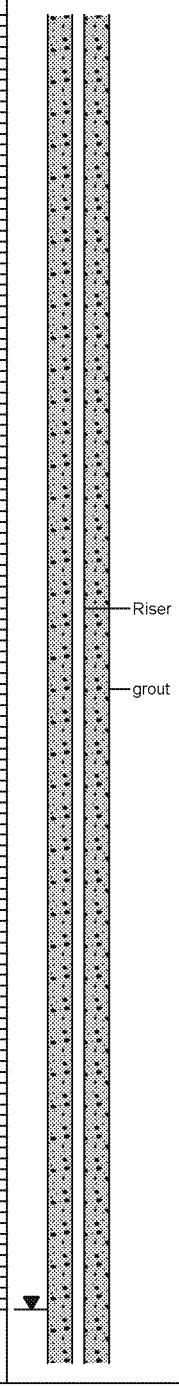
Date Started	: 11/14/17
Date Completed	: 11/15/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS	GRAPHIC
25	122	CLAY: dark grey, stiff to very stiff, micaceous, damp	CL	
27	120			
29	118			
31	116			
33	114			
35	112			
37	110			
39	108			
41	106			
43	104	SAND: yellowish orange and light grey, medium to coarse-grained, loose, wet	SP	
		CLAY: dark grey, stiff to very stiff, micaceous, damp	CL	
45	102	SAND: yellowish orange to light brown, medium to coarse-grained, loose, wet	SP	
47	100			
49				

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25' and 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/14/17
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LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

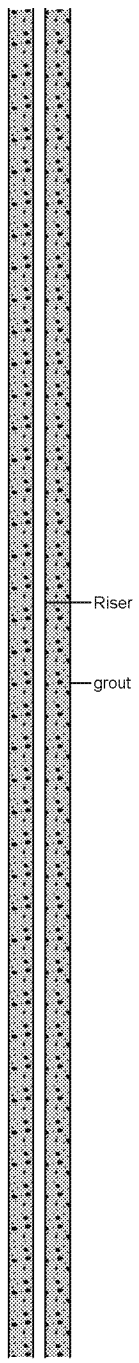
Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS
			SP
		CLAY: dark grey, soft, moist	CL
		SAND: dark grey, medium to coarse-grained, loose, wet, with trace mica	SP
		CLAY: dark grey, plastic, stiff, damp, with thin micaceous fine sand partings	CL

GRAPHIC

Depth in feet: 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74

Surf. Elev.: 97, 95, 93, 91, 89, 87, 85, 83, 81, 79, 77, 75

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25' and 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/14/17
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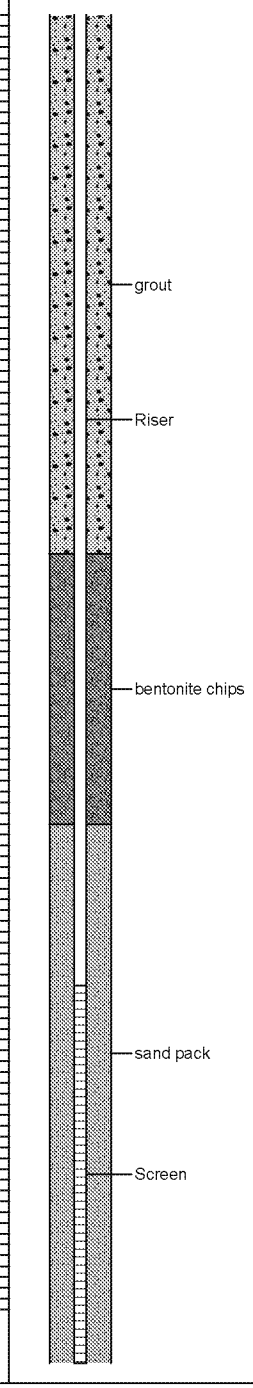
LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS
75	72		
77	70		
79	68		CL
81	66		
83	64	SILTY SAND: medium-grey, fine to medium-grained, moist	SM
85	62		
		CLAY: dark grey, stiff	CL
87	60	SILTY SAND: dark grey, fine-grained, micaceous	SM
		medium-grained, trace coarse grains, trace mica, loose, wet	
89	58		
91	56		SM
93	54	Brown wood fragments	
		CLAY: dark grey, micaceous, stiff, damp	CL
95	52	SILTY SAND: dark grey, medium-grained, trace coarse grains, trace mica, loose, wet	
97	50		SM
99			

GRAPHIC

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

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North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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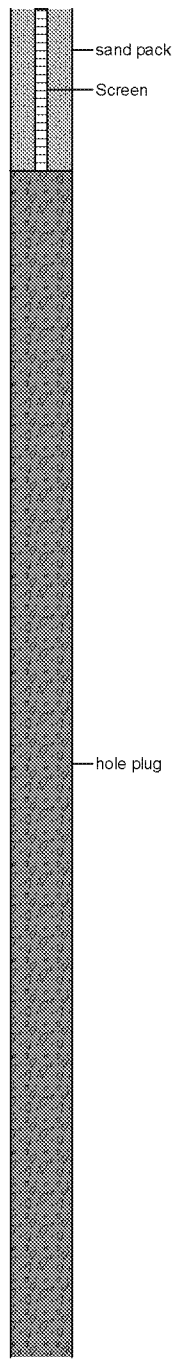
Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS
100	47	dark grey, medium to coarse-grained, trace mica, loose, wet	SM
102	45		SM
104	43	CLAY: dark grey, stiff to hard, damp	CL
106	41	thin fine sand partings, light greenish grey, micaceous, damp	CL
108	39		
110	37		
112	35		
114	33		
116	31		
118	29		
120	27		
122	25		
124			

GRAPHIC

Well: BCA-03



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

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North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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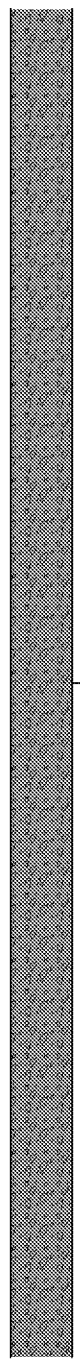
LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS	GRAPHIC
125	22	SANDY CLAY: light to medium grey, soft, moist to wet, medium-grained sand, trace mica flakes	CL	
127	20			
129	18			
131	16			
133	14			
135	12			
137	10			
139	8			
141	6			
143	4	SILTY SAND: light to medium grey, fine to medium-grained, trace mica, wet	SM	
145	2	SANDY CLAY: light to medium grey, soft, moist to wet, medium to coarse-grained sand, trace mica flakes	CL	
147	0	medium gray, medium-grained sand with trace coarse grains, stiff to soft, moist, with mica flakes	CL	
149				

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

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North Carolina State Plane Coordinates, NAD83 (2011)

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LOG OF BORING: BCA-03

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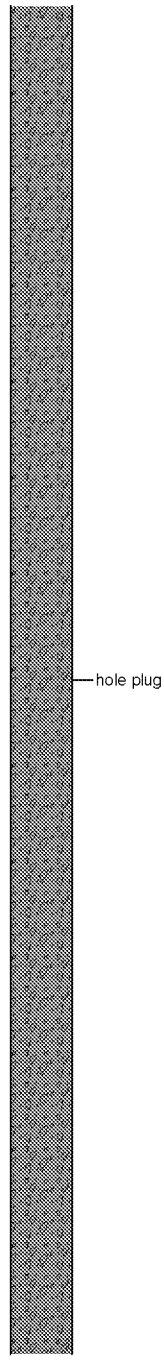
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS	GRAPHIC
150	-3			
152	-5		CL	
154	-7	dark gray, stiff	CL	
156	-9	SANDY CLAY: medium gray, medium-grained sand with trace coarse grains, stiff to soft, moist, with mica flakes		
158	-11			
160	-13		CL	
162	-15			
164	-17			
		CLAY: olive grey, hard, with fine greenish grey sand partings		
166	-19			
168	-21			
170	-23		CL	
172	-25			
174				

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
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WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
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North Carolina State Plane Coordinates, NAD83 (2011)

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LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet | Surf. Elev.147.442 | DESCRIPTION | USCS | GRAPHIC | Depth in feet | Well: BCA-03

175 -28
177 -30
179 -32
181 -34
183 -36
185 -38
187 -40
189 -42
191 -44
193 -46
195 -48
197 -50
199

CL
CL
CL
CL

SANDY CLAY: olive grey, hard, micaceous, sand is fine to coarse

light greenish grey, stiff, moist, with small mica flakes

CLAY: olive brown, reddish brown in places, hard, trace small mica flakes

hole plug

Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
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ELEVATION SURVEY
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Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

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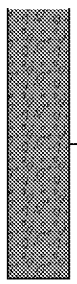
LOG OF BORING: BCA-03

Grade Elevation	: 147.442
TOC Elevation	: 150.579
Northing	: 398317.456
Easting	: 2049544.079

Depth in feet	Surf. Elev.147.442	DESCRIPTION	USCS	GRAPHIC
200	-53			
202	-55		CL	
204	-57			
		END OF BORING		
206	-59			
208	-61			
210	-63			
212	-65			
214	-67			
216	-69			
218	-71			
220	-73			
222	-75			
224				

Well: BCA-03



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25' and 75'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-04

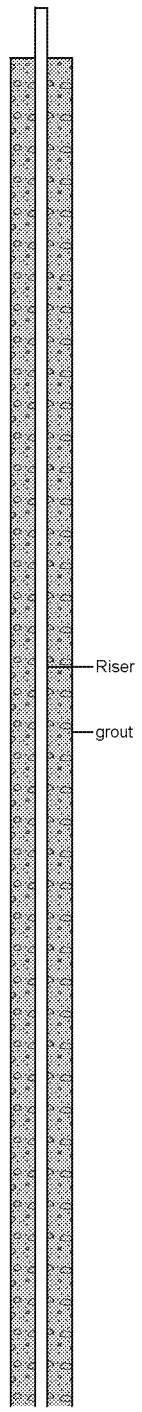
Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev. 147.069	DESCRIPTION	USCS
0	147	SAND: tan, fine-grained, loose, damp	SP
2	145		
		SANDY SILT: light brown, damp, sand is fine-grained	ML
4	143		
		SAND: light brown, fine to medium-grained, loose, damp	SP
6	141		
8	139		
10	137	CLAY: light grey	CL
		SILTY SAND: pink, fine-grained	SM
12	135	SAND: white and yellowish orange, very fine to fine-grained, loose, dry	SP
14	133		
16	131	light grey, yellowish-orange and reddish-brown, fine to medium-grained, loose	SP
18	129		
20			

GRAPHIC

Depth in feet: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Well: BCA-04



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
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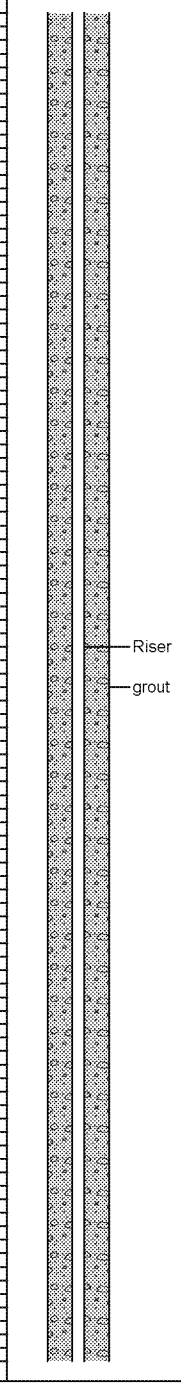
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS	GRAPHIC
20	127			
22	125			
24	123		SP	
26	121			
28	119			
30	117	very moist		
32	115		SP	
34	113			
36	111	light grey and yellowish-orange, fine to medium-grained, coarsening downward, loose, wet		
38	109		SP	
40				

Well: BCA-04



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
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Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
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Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
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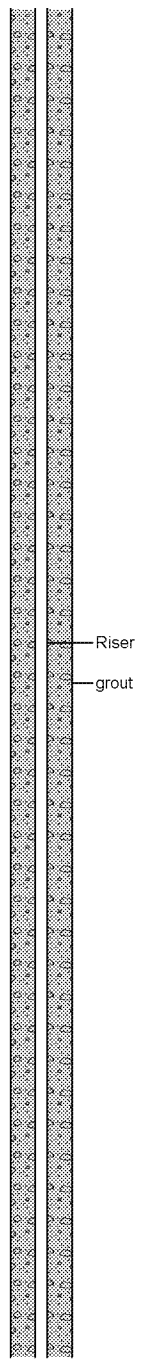
LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS
40	107	clay lense	SP
42	105		
		medium to coarse-grained, trace mica, wet	SP
44	103		
		CLAY: dark grey, soft to medium stiff, trace fine sand and mica, plastic	CL
46	101		
48	99		
50	97		
52	95		
54	93	SAND: light brown, medium-grained, very wet, trace mica, occasional small pieces of cemented sand	SP
56	91		
58	89		
		SILTY SAND: light brown, fine-grained, micaceous, wet	SM
60			

GRAPHIC

Well: BCA-04



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

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North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\BCA-04.bo

PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
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Reviewed By	: Rob Liddle

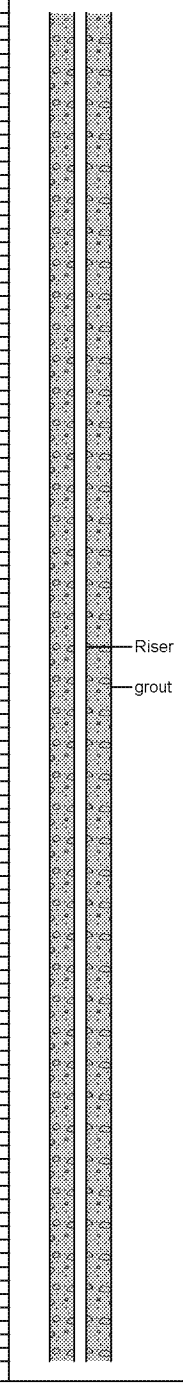
LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS
60	87		
62	85		SM
64	83	organic rich	SM
		fine to medium-grained, with mica, loose, moist	
66	81		SP
68	79		
70	77	CLAY: dark grey, 4" thick	CL
		SAND: medium-grey, fine to medium-grained, very moist, loose, micaceous	
72	75		SP
74	73	CLAY: dark grey, stiff	CL
76	71	CLAY with interbedded SAND layers: dark grey, stiff to hard, with thin (up to 4" thick) sand layers, medium-grained, occasional cemented pieces of sand	CL
78	69		
80			

GRAPHIC

Well: BCA-04



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

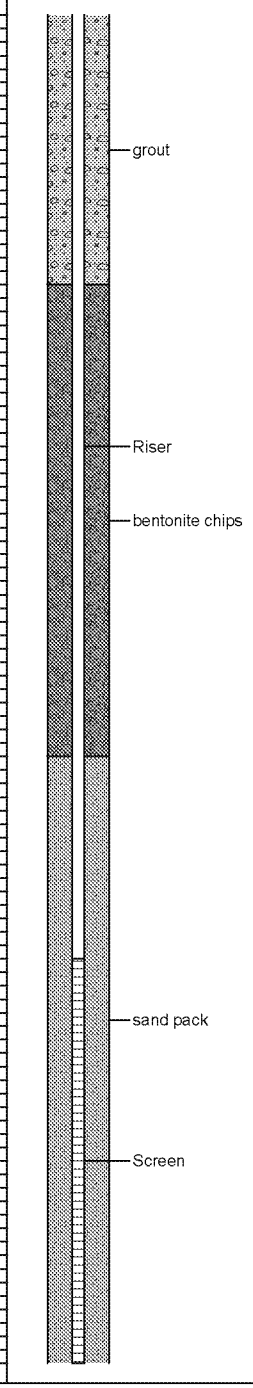
LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS
80	67		
82	65		CL
84	63		
		6" sand layer, grey, wet	
86	61		
88	59		CL
90	57		
92	55		
		organic-rich layer (wood fragments)	PT
94	53	SAND: grey, medium-grained, loose, wet	SP
		dark grey, medium to coarse-grained, wet, with wood fragments	
96	51		SP
98	49		
100			

GRAPHIC

Well: BCA-04



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
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Reviewed By	: Rob Liddle

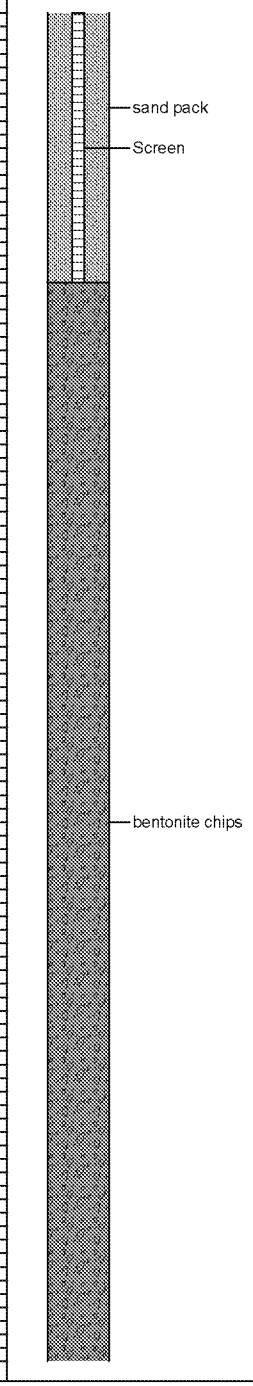
LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS
100	47		SP
		CLAY: dark grey, stiff	CL
102	45	Interbedded SAND and CLAY: dark grey, fine-grained, with mica flakes, wet	SC
104	43		
		light to dark grey, organic-rich material in some of the layers	SC
106	41		
108	39		
110	37		
112	35		
		CLAY: dark grey, hard	CL
114	33		
		SAND: medium-grey, fine to medium-grained, wet, trace mica, occasional clay lenses/layers	SP
116	31		
118	29		
120			

GRAPHIC

Well: BCA-04



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
Date Completed	: 11/28/17
Drilling Method	: Sonic
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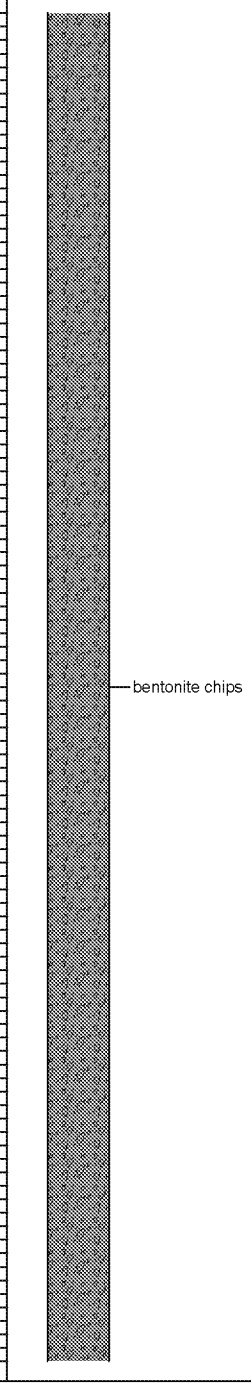
Reviewed By	: Rob Liddle

LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS	GRAPHIC
120	27	wet	SP	
122	25			
		CLAY: dark grey	CL	
124	23	SAND: medium-grey, medium to coarse-grained, loose, very wet	SP	
126	21			
		wet, coarening downward	SP	
128	19	SANDY CLAY: medium-grey, soft, sand is fine to medium-grained	CL	
130	17			
132	15	CLAY: olive grey, very hard	CL	
134	13			
		SANDY CLAY: grey, hard	CL	
136	11			
138	9			
		CLAY: medium-grey, very hard	CL	
140				

Well: BCA-04



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Fayetteville Works Facility

Fayetteville Additional Investigations
Project Number: 449338

Date Started	: 11/27/17
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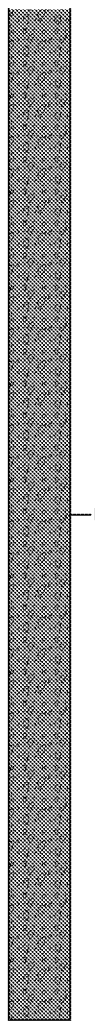
LOG OF BORING: BCA-04

Grade Elevation	: 147.069
TOC Elevation	: 150.241
Northing	: 395877.665
Easting	: 2047823.111

Depth in feet	Surf. Elev.147.069	DESCRIPTION	USCS	GRAPHIC
140	7		CL	
142	5	SANDY CLAY: light to medium grey, stiff to hard, trace mica, sand is fine to medium-grained	CL	
144	3			
146	1			
148	-1			
150	-3			
152	-5	SILTY SAND: medium grey to light grey, fine to medium-grained, wet	SM	
154	-7			
		END of BORING		
156	-9			
158	-11			
160				

Well: BCA-04



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

The Drilling rods were used as isolation casing at 50'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/15/17
Date Completed	: 11/16/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

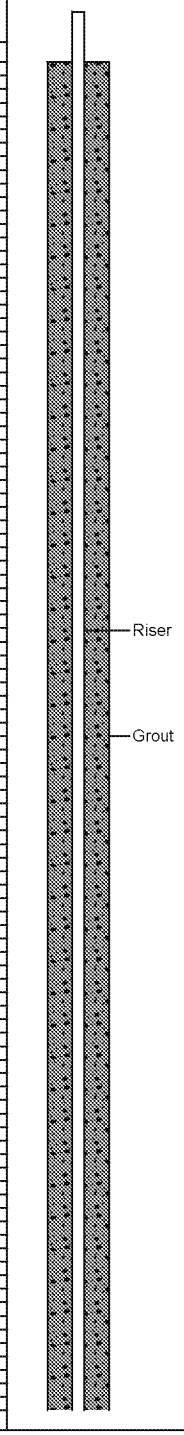
LOG OF BORING: MW-15DR

Grade Elevation	: 147.297
TOC Elevation	: 150.361
Northing	: 398309.816
Easting	: 2049545.584

Depth in feet	Surf. Elev. 147.297	DESCRIPTION	USCS
0	147	SAND: light brown, fine to medium-grained, loose, dry	SP
2	145		
4	143		
		yellowish orange, medium-grained, trace coarse grains, loose, moist	SP
6	141		
8	139		
10	137		
		light gray, medium to coarse-grained, loose, wet	SP
12	135		
14	133		
		CLAY: yellowish orange, soft, wet	CL
		SAND: yellowish orange, medium to coarse-grained, loose, wet	SP
16	131		
18	129		
		CLAY: yellowish orange, soft, wet	CL
		dark grey, stiff to hard, damp	CL
20			

GRAPHIC

Well: MW-15DR



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Core samples were not collected. Used lithologic descriptions from BCA-03 because the wells were installed close together.

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

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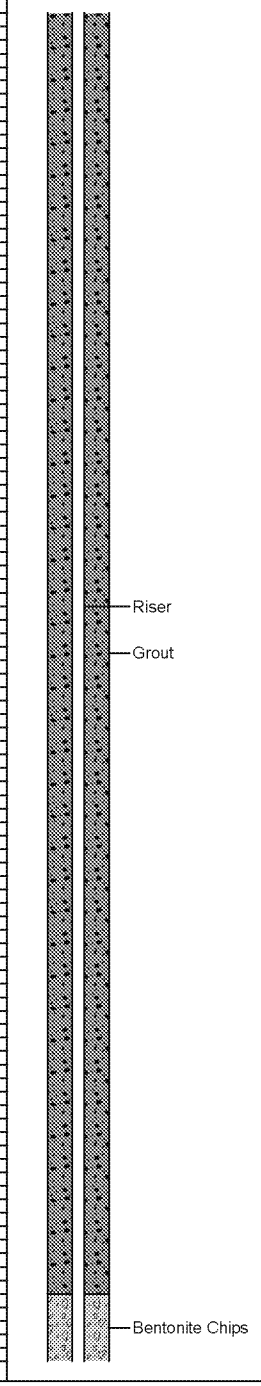
Reviewed By	: Rob Liddle

LOG OF BORING: MW-15DR

Grade Elevation	: 147.297
TOC Elevation	: 150.361
Northing	: 398309.816
Easting	: 2049545.584

Depth in feet	Surf. Elev. 147.297	DESCRIPTION	USCS	GRAPHIC
20	127			
22	125		CL	
24	123			
		CLAY: dark grey, stiff to very stiff, micaceous, damp		
26	121			
28	119			
30	117			
32	115		CL	
34	113			
36	111			
38	109			
40				

Well: MW-15DR



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Core samples were not collected. Used lithologic descriptions from BCA-03 because the wells were installed close together.

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/15/17
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Drilling Method	: Sonic
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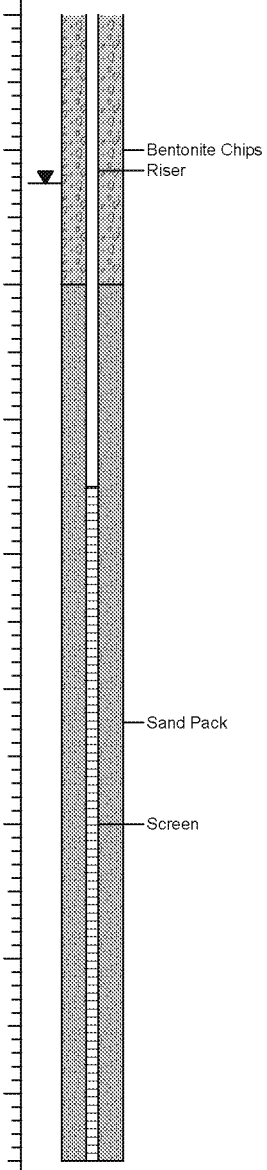
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-15DR

Grade Elevation	: 147.297
TOC Elevation	: 150.361
Northing	: 398309.816
Easting	: 2049545.584

Depth in feet	Surf. Elev. 147.297	DESCRIPTION	USCS	GRAPHIC
40	107		CL	
42	105			
		SAND: yellowish orange and light grey, medium to coarse-grained, loose, wet	SP	
44	103	CLAY: dark grey, stiff to very stiff, micaceous, damp	CL	
		SAND: yellowish orange to light brown, medium to coarse-grained, loose, wet	SP	
46	101			
48	99			
50	97			
52	95			
		CLAY: dark grey, soft, moist	CL	
54	93			
		SAND: dark grey, medium to coarse-grained, loose, wet, with trace mica	SP	
56	91			
		END OF BORING		
58	89			
60				

Well: MW-15DR



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Core samples were not collected. Used lithologic descriptions from BCA-03 because the wells were installed close together.

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-15DR.bo

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Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/17/17
Date Completed	: 11/17/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-18D

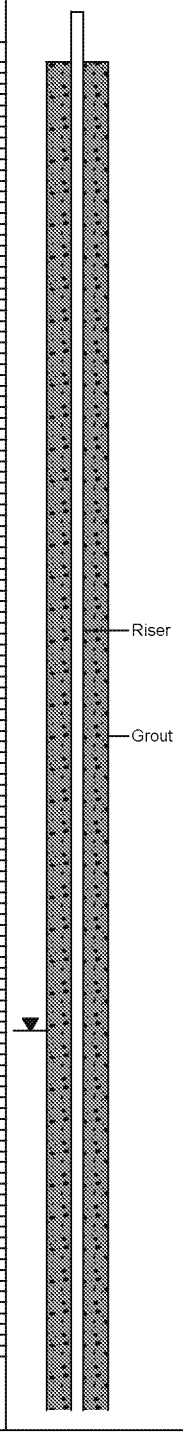
Grade Elevation	: 104.806
TOC Elevation	: 107.574
Northing	: 400947.378
Easting	: 2046574.719

Depth in feet	Surf. Elev.104.806	DESCRIPTION	USCS
0	104	SAND: light brown, fine to medium-grained, loose, moist	SP
2	102		
4	100		
6	98	light brown and light grey, very moist at 20', coarsening downward to 21.5'	SP
8	96		
10	94		
12	92		
14	90		
16	88		
18	86		
20	84		
22	82	CLAY: dark grey, soft, wet	CL
24		thin sand layer at 23.5	CL
		organic-rich layer with mica	CL

GRAPHIC

Depth in feet

Well: MW-18D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-chips

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Inc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-18D.bo

PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/17/17
Date Completed	: 11/17/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

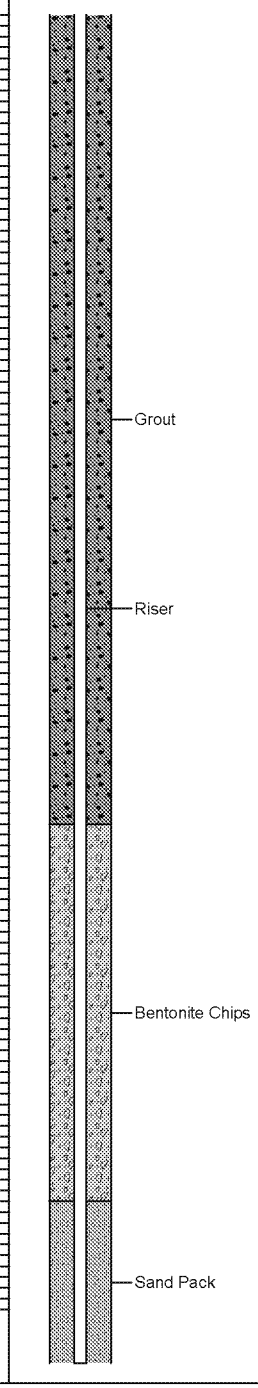
LOG OF BORING: MW-18D

Grade Elevation	: 104.806
TOC Elevation	: 107.574
Northing	: 400947.378
Easting	: 2046574.719

Depth in feet	Surf. Elev.104.806	DESCRIPTION	USCS
25	79		CL
27	77		
29	75	SAND: dark yellowish orange, medium-grained, wet	SP
31	73	CLAY: dark grey, soft	CL
33	71	SAND: dark yellowish orange, medium to coarse-grained, wet	SP
35	69	CLAY: dark grey, soft	CL
37	67	Interbedded SAND and CLAY: sand is medium to coarse-grained, wet	SC
39	65	SAND: dark grey, medium to coarse-grained, wet	SP
41	63		
43	61	CLAY: dark grey, firm	CL
45	59	SAND: grey, fine-grained, micaceous, wet	SP
47	57		
49			

GRAPHIC

Well: MW-18D



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-chips

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Inc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-18D.bo

PARSONS

Chemours
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Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

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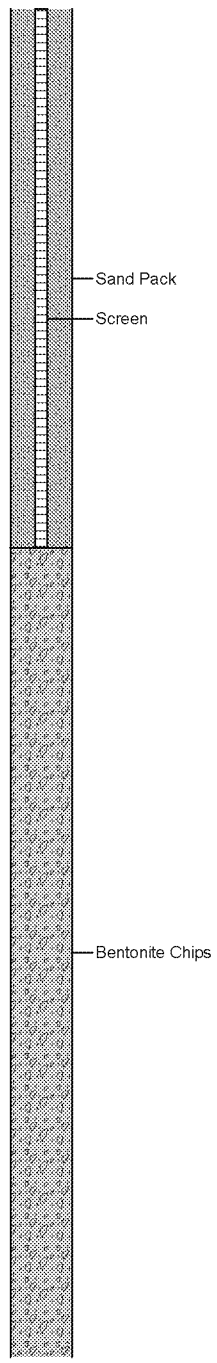
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-18D

Grade Elevation	: 104.806
TOC Elevation	: 107.574
Northing	: 400947.378
Easting	: 2046574.719

Depth in feet	Surf. Elev.104.806	DESCRIPTION	USCS
50	54	organic-rich layers, micaceous,	SP
52	52		
54	50		SP
56	48		
58	46	coarsening downwards	SP
60	44	CLAY: dark grey, stiff	CL
62	42		
64	40	SAND: dark grey, coarse-grained, wet	SP
66	38		
		CLAY: organic-rich	CL
68	36	SAND: dark grey, fine-grained, trace mica, wet	SP
70	34		
		fine to medium-grained	SP
72	32	CLAY: dark grey and light grey, hard	CL
74			

Well: MW-18D



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-chips

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Inc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-18D.bo

PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

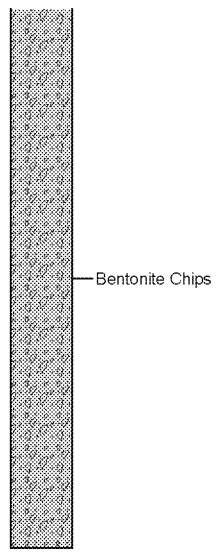
Date Started	: 11/17/17
Date Completed	: 11/17/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-18D

Grade Elevation	: 104.806
TOC Elevation	: 107.574
Northing	: 400947.378
Easting	: 2046574.719

Depth in feet	Surf. Elev.104.806	DESCRIPTION	USCS	GRAPHIC
75				
	29			
77				
	27			
79				
	25		CL	
81				
	23			
83				
	21			
85		END OF BORING		
	19			
87				
	17			
89				
	15			
91				
	13			
93				
	11			
95				
	9			
97				
	7			
99				

Well: MW-18D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-chips

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Inc.
Survey Date : 12/20/17

NOTES:

Used drilling rods as isolation casing at 25'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

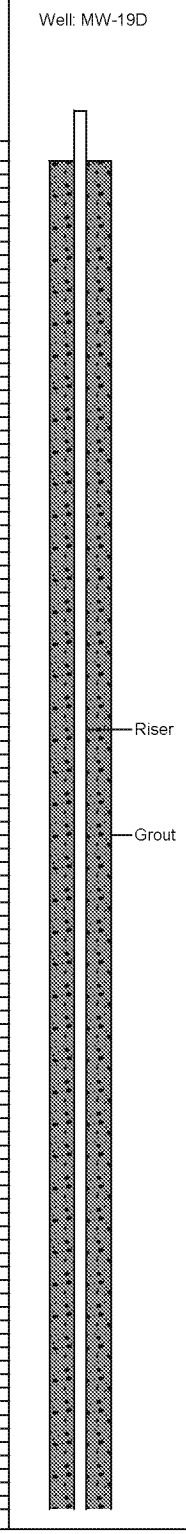
Date Started	: 11/18/17
Date Completed	: 11/18/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-19D

Grade Elevation	: 136.3
TOC Elevation	: 139.55
Northing	: 401151.328
Easting	: 2048272.989

Depth in feet	Surf. Elev.136.3	DESCRIPTION	USCS
0	136	SAND: yellowish-orange, medium to coarse-grained, damp	SP
2	134		
4	132		
		SILTY SAND: dark yellowish-orange, medium-grained, damp	SM
6	130		
8	128		
10	126		
12	124		
14	122		
		SAND: yellowish-orange, medium-grained, with some pebbles, dry	SP
		SILTY SAND: light grey, fine-grained, loose, damp to moist	SM
16	120		
18	118		
20			

GRAPHIC



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/18/17
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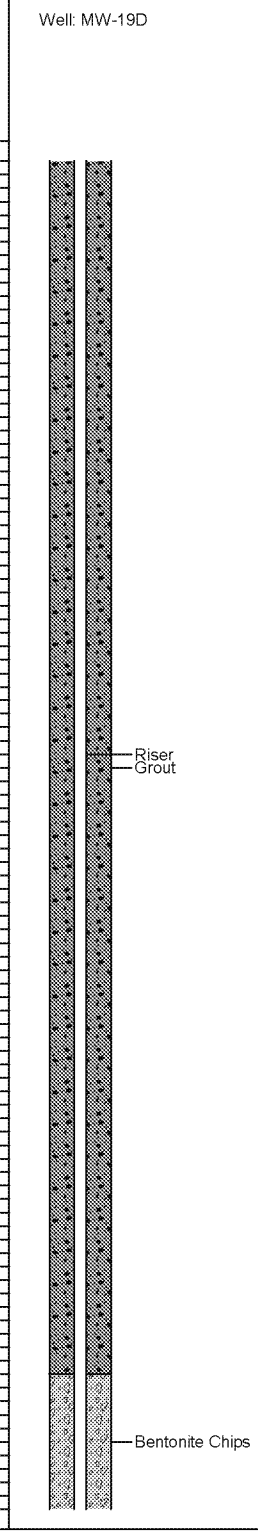
Reviewed By	: Rob Liddle

LOG OF BORING: MW-19D

Grade Elevation	: 136.3
TOC Elevation	: 139.55
Northing	: 401151.328
Easting	: 2048272.989

Depth in feet	Surf. Elev.136.3	DESCRIPTION	USCS
20	116		SM
22	114		
24	112		
26	110		
28	108		
30	106		
32	104	SAND: white, fine-grained, well-sorted, damp	SP
34	102		
36	100	light grey and yellowish orange, medium-grained, wet	SP
38	98		
40			



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

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Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

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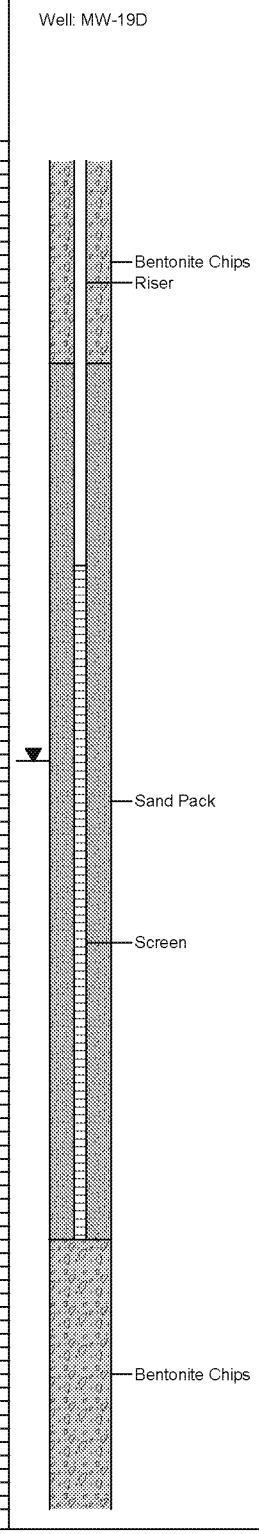
LOG OF BORING: MW-19D

Grade Elevation	: 136.3
TOC Elevation	: 139.55
Northing	: 401151.328
Easting	: 2048272.989

Depth in feet	Surf. Elev.136.3	DESCRIPTION	USCS
40	96		
42	94		SP
44	92		
46	90	layers of different colors (light grey, yellowish orange, maroon, reddish brown, light brown, purple), medium-grained, loose, wet	
48	88		SP
50	86		
52	84	reddish-brown, medium to coarse-grained, loose, wet	SP
54	82	SILTY SAND: yellowish-orange, fine-grained, moist	SM
		grey, fine-grained, damp to moist	SM
		SAND: medium grey, medium-grained, well-sorted, very wet	SP
56	80	CLAY: dark grey, stiff	
58	78		CL
60			



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/18/17
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Sampling Method	: Continuous Core
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Geologist	: Marc Harder
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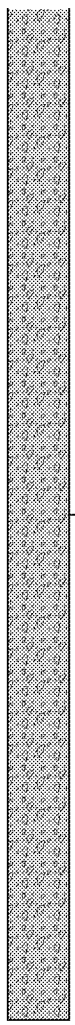
LOG OF BORING: MW-19D

Grade Elevation	: 136.3
TOC Elevation	: 139.55
Northing	: 401151.328
Easting	: 2048272.989

Depth in feet	Surf. Elev.136.3	DESCRIPTION	USCS	GRAPHIC
60	76	SAND: light to medium-grey, medium-grained, wet	SP	
62	74			
64	72			
		clay lense	CL	
66	70	SAND: light to medium grey, medium-grained, wet	SP	
68	68			
		clay lense	CL	
70	66	SAND: light to medium-grey, medium-grained, wet	SP	
72	64			
74	62			
		END OF BORING		
76	60			
78	58			
80				

Well: MW-19D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

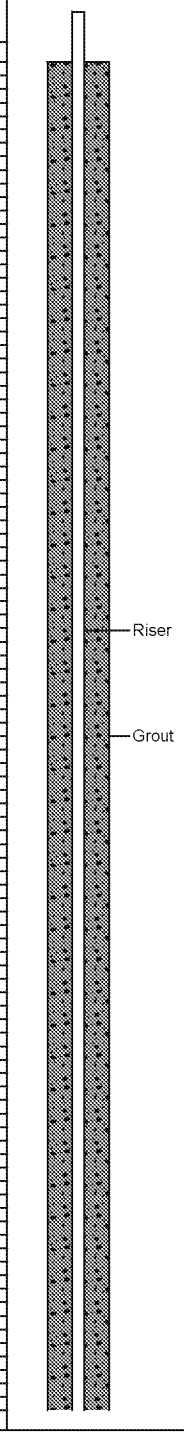
Date Started	: 11/18/17
Date Completed	: 11/18/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

LOG OF BORING: MW-20D

Grade Elevation	: 133.969
TOC Elevation	: 137.182
Northing	: 400791.284
Easting	: 2048733.906

Depth in feet	Surf. Elev.133.969	DESCRIPTION	USCS	GRAPHIC
0		SAND: light brown and yellowish-orange, fine to medium-grained, loose, dry	SP	
	133			
2				
	131			
4				
	129			
6				
	127			
8				
	125			
10				
	123			
12				
	121			
14				
	119	white and light brown, fine-grained, loose, dry, occasional thin silty layers	SP	
16				
	117			
18				
	115			
20				

Well: MW-20D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 38'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Corporate Remediation Group
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Fayetteville Additional Investigation
Project Number: 449338

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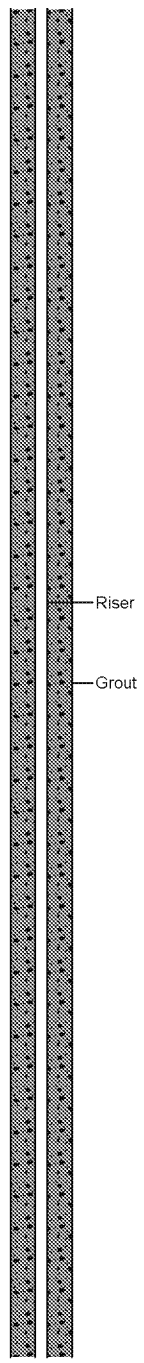
LOG OF BORING: MW-20D

Grade Elevation	: 133.969
TOC Elevation	: 137.182
Northing	: 400791.284
Easting	: 2048733.906

Depth in feet	Surf. Elev.133.969	DESCRIPTION	USCS	GRAPHIC
20				
	113			
22				
	111			
24				
	109			
26				
	107		SP	
28				
	105			
30				
	103			
32				
	101			
34				
	99	CLAY: dark grey, firm		
36			CL	
	97			
38		SAND: white and light brown, fine-grained, loose, dry		
	95		SP	
40				

Well: MW-20D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 38'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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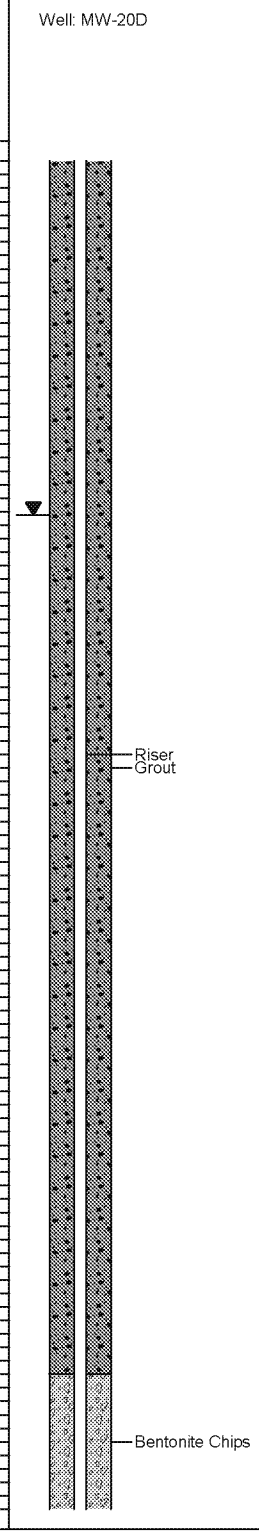
LOG OF BORING: MW-20D

Grade Elevation	: 133.969
TOC Elevation	: 137.182
Northing	: 400791.284
Easting	: 2048733.906

Depth in feet	Surf. Elev.133.969	DESCRIPTION	USCS
40			
	93		SP
42			
	91	SAND: dark grey, medium-grained, wet	SP
44		4" clay layer	CL
			SP
	89	SAND: grey, fine-grained, coarsening downward	
46			
	87		SP
48			
	85	organic layer	
50			SP
	83	CLAY: dark grey, firm	
52			CL
	81		
54			
	79	SAND: dark grey, medium-grained, wet, trace gravel	SP
		medium-gray, medium-grained, loose, wet	
56			SP
	77		
		CLAY: small layer	CL
58		SAND: medium-gray, medium-grained, loose, well-sorted, trace mica, wet	
	75		SP
60			



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

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ANNULAR SEAL
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ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 38'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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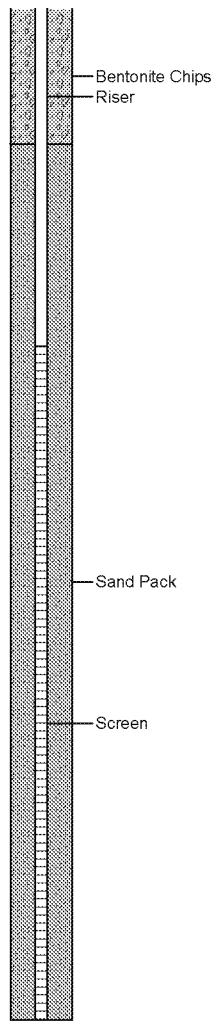
LOG OF BORING: MW-20D

Grade Elevation	: 133.969
TOC Elevation	: 137.182
Northing	: 400791.284
Easting	: 2048733.906

Depth in feet	Surf. Elev.133.969	DESCRIPTION	USCS	GRAPHIC
60		SAND: medium-grey, medium-grained, loose, well-sorted, trace mica, wet	SP	
	73			
62				
	71			
64				
	69			
66				
	67			
68				
	65			
70				
	63			
72				
	61			
74				
	59	END OF BORING		
76				
	57			
78				
	55			
80				

Well: MW-20D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

Drilling rods used as isolation casing at 38'

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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PARSONS

Chemours
Corporate Remediation Group
Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/21/17
Date Completed	: 11/22/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

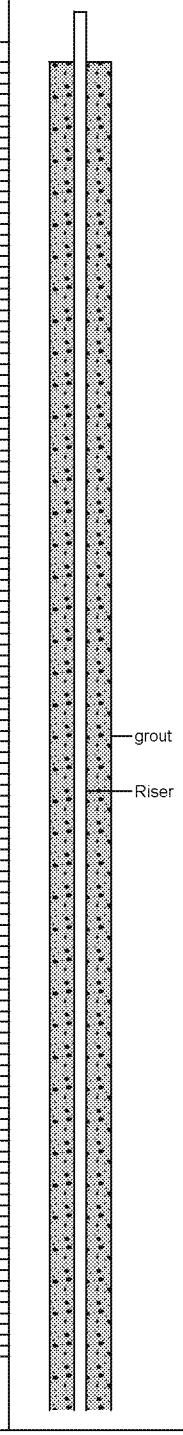
LOG OF BORING: MW-21D

Grade Elevation	: 148.048
TOC Elevation	: 151.384
Northing	: 399501.7
Easting	: 2047074.955

Depth in feet	Surf. Elev.148.048	DESCRIPTION	USCS
0	148	SAND: tan, fine-grained, loose, dry	SP
2	146		
4	144		
6	142	SILTY SAND: light brown, fine-grained, damp	SM
8	140		
10	138	SAND: white, light brown and yellowish orange, fine-grained, loose, damp	SP
12	136		
14	134		
16	132		
18	130		
20	128		
22	126		
24			

GRAPHIC

Well: MW-21D



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

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Project Number: 449338

Date Started	: 11/21/17
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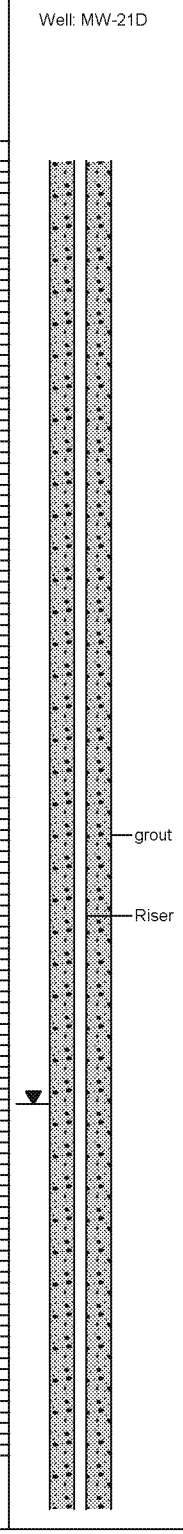
LOG OF BORING: MW-21D

Grade Elevation	: 148.048
TOC Elevation	: 151.384
Northing	: 399501.7
Easting	: 2047074.955

Depth in feet	Surf. Elev.148.048	DESCRIPTION	USCS
25	123		
27	121		SP
29	119	light grey and yellowish orange, medium-grained, loose, wet	SP
31	117	SILT: grey and brown, firm	ML
33	115	SAND: yellowish orange and white, fine to medium-grained, loose, dry to moist	SP
35	113	yellowish-orange and light brown, medium-grained, loose, wet	SP
37	111		
39	109	CLAY: dark grey, firm	CL
41	107	SAND: grey, fine to medium-grained, with mica, wet	SP
		CLAY: grey, soft, 2" layer	CL
43	105	SAND: light brown, fine to medium-grained, coarsening downward, wet	SP
45	103	CLAY: grey, soft, 6" layer	CL
		SAND: light brown, fine to medium-grained, coarsening downward, wet	SP
47	101		
49		CLAY: grey, soft, 8" layer	CL
		SAND: light brown, fine to medium-grained, coarsening downward, wet	SP



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-21D.bo

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Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/21/17
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Drilling Method	: Sonic
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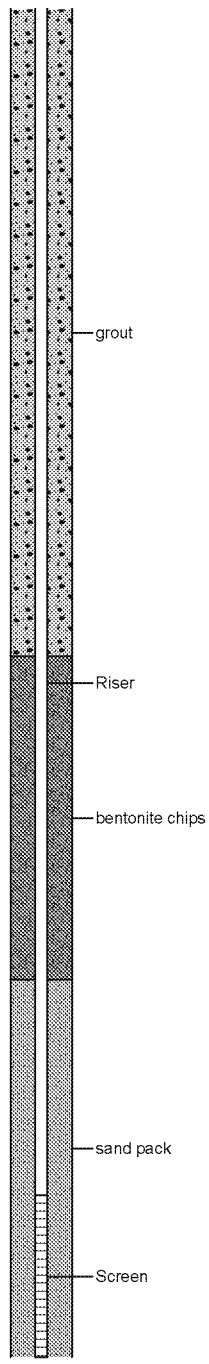
LOG OF BORING: MW-21D

Grade Elevation	: 148.048
TOC Elevation	: 151.384
Northing	: 399501.7
Easting	: 2047074.955

Depth in feet	Surf. Elev.148.048	DESCRIPTION	USCS
50	98		SP
		CLAY: 2" layer	CL
52	96	SAND: dark grey, medium-grained, loose, wet	SP
54	94	Interbedded SAND and CLAY: dark grey, firm	SC
56	92	SAND: grey to dark grey, medium-grained, moist to wet, trace mica	SP
58	90		
60	88		
62	86		
64	84		
66	82		
68	80	CLAY: 3" layer	CL
		SAND: grey to dark grey, medium-grained, moist to wet, trace mica	
70	78		SP
72	76		
		organic-rich layer	PT
74		Interbedded CLAY and SAND: dark grey, wet, sand is medium-grained	SC

Well: MW-21D



Well Construction Information

WELL RISER
Material : PVC
Diameter : 2"

WELL SCREEN
Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK
Material : 20-40 sand filter pack

ANNULAR SEAL
Material : Bentonite-cement mix

ELEVATION SURVEY
Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-21D.bo

PARSONS

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Fayetteville Works Facility

Fayetteville Additional Investigation
Project Number: 449338

Date Started	: 11/21/17
Date Completed	: 11/22/17
Drilling Method	: Sonic
Sampling Method	: Continuous Core
Drilling Firm	: Cascade Drilling
Lead Driller/License #	: Chris Ruffer
Geologist	: Marc Harder
Boring Log By	: Karen Teague
Reviewed By	: Rob Liddle

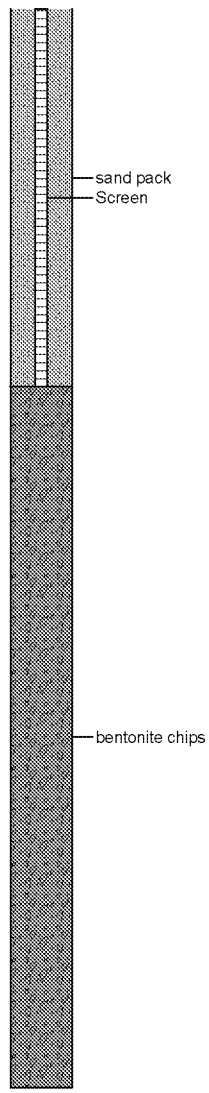
LOG OF BORING: MW-21D

Grade Elevation	: 148.048
TOC Elevation	: 151.384
Northing	: 399501.7
Easting	: 2047074.955

Depth in feet	Surf. Elev.148.048	DESCRIPTION	USCS
75	73	SAND: dark grey, medium-grained, loose, damp to moist	SP
77	71		
79	69		
81	67		
83	65	CLAY: dark grey, stiff, with mica and trace organics	CL
85	63		
87	61	Interbedded SAND and CLAY: dark grey, fine to medium-grained sand, moist	SC
89	59	CLAY: dark grey, stiff	CL
91	57	Interbedded SAND and CLAY: dark grey, fine to medium-grained sand, moist	SC
93	55	SAND: grey, medium-grained, loose, wet	SP
95	53	CLAY: organic (2" thick)	CL
		SAND: grey, medium-grained, loose, wet	SP
		END OF BORING	
97	51		
99			

GRAPHIC

Well: MW-21D



Well Construction Information

WELL RISER

Material : PVC
Diameter : 2"

WELL SCREEN

Material : Schedule 40 PVC
Diameter : 2"
Slot Size : 0.010"
Length : 10'

SAND PACK

Material : 20-40 sand filter pack

ANNULAR SEAL

Material : Bentonite-cement mix

ELEVATION SURVEY

Surveyor : Donaldson, Garrett & Assoc.
Survey Date : 12/20/17

NOTES:

North Carolina State Plane Coordinates, NAD83 (2011)

Mean Sea Level Elevations, NAVD88

01-12-2018 G:\Projects\Geographics boring log files\Fayetteville\MW-21D.bo

APPENDIX C
HYDROGEOLOGIC TESTING ANALYSIS REPORTS

FTA-01 FALLING HEAD TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: FTA-01 Falling	Test Well: FTA-01
Test Conducted by: M. Harder	Test Date: 12/8/2017	
Water level at t=0 [ft]: 134.07	Static Water Level [ft]: 133.17	Water level change at t=0 [ft]: 0.91

	Time [s]	Water Level [ft]	WL Change [ft]
1	0	134.075	0.905
2	1	133.683	0.513
3	2	133.719	0.549
4	3	133.764	0.594
5	4	133.715	0.545
6	5	133.691	0.521
7	6	133.67	0.50
8	7	133.642	0.472
9	8	133.622	0.452
10	9	133.617	0.447
11	10	133.607	0.437
12	11	133.579	0.409
13	12	133.576	0.406
14	13	133.548	0.378
15	14	133.535	0.365
16	15	133.524	0.354
17	16	133.504	0.334
18	17	133.482	0.312
19	18	133.48	0.31
20	19	133.462	0.292
21	20	133.446	0.276
22	21	133.445	0.275
23	22	133.431	0.261
24	23	133.414	0.244
25	24	133.416	0.246
26	25	133.403	0.233
27	26	133.384	0.214
28	27	133.381	0.211
29	28	133.375	0.205
30	29	133.355	0.185
31	30	133.357	0.187
32	31	133.342	0.172
33	32	133.328	0.158
34	33	133.334	0.164
35	34	133.324	0.154
36	35	133.304	0.134
37	36	133.309	0.139
38	37	133.305	0.135
39	38	133.289	0.119
40	39	133.29	0.12
41	40	133.288	0.118
42	41	133.273	0.103
43	42	133.27	0.10
44	43	133.27	0.10
45	44	133.255	0.085
46	45	133.257	0.087
47	46	133.261	0.091
48	47	133.25	0.08
49	48	133.252	0.082
50	49	133.251	0.081
51	50	133.238	0.068
52	51	133.238	0.068
53	52	133.243	0.073

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
54	53	133.228	0.058
55	54	133.233	0.063
56	55	133.237	0.067
57	56	133.226	0.056
58	57	133.224	0.054
59	58	133.231	0.061
60	59	133.222	0.052
61	60	133.219	0.049
62	61	133.225	0.055
63	62	133.22	0.05
64	63	133.214	0.044
65	64	133.222	0.052
66	65	133.217	0.047
67	66	133.208	0.038
68	67	133.22	0.05
69	68	133.215	0.045
70	69	133.203	0.033
71	70	133.217	0.047
72	71	133.213	0.043
73	72	133.205	0.035
74	73	133.217	0.047
75	74	133.21	0.04
76	75	133.203	0.033
77	76	133.208	0.038
78	77	133.206	0.036
79	78	133.199	0.029
80	79	133.208	0.038
81	80	133.206	0.036
82	81	133.196	0.026
83	82	133.206	0.036
84	83	133.204	0.034
85	84	133.194	0.024
86	85	133.205	0.035
87	86	133.205	0.035
88	87	133.197	0.027
89	88	133.204	0.034
90	89	133.208	0.038
91	90	133.196	0.026
92	91	133.201	0.031
93	92	133.202	0.032
94	93	133.195	0.025
95	94	133.20	0.03
96	95	133.202	0.032
97	96	133.196	0.026
98	97	133.194	0.024
99	98	133.202	0.032
100	99	133.193	0.023
101	100	133.193	0.023
102	101	133.202	0.032
103	102	133.196	0.026
104	103	133.19	0.02
105	104	133.19	0.02
106	105	133.197	0.027
107	106	133.19	0.02
108	107	133.203	0.033
109	108	133.195	0.025
110	109	133.187	0.017
111	110	133.202	0.032

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

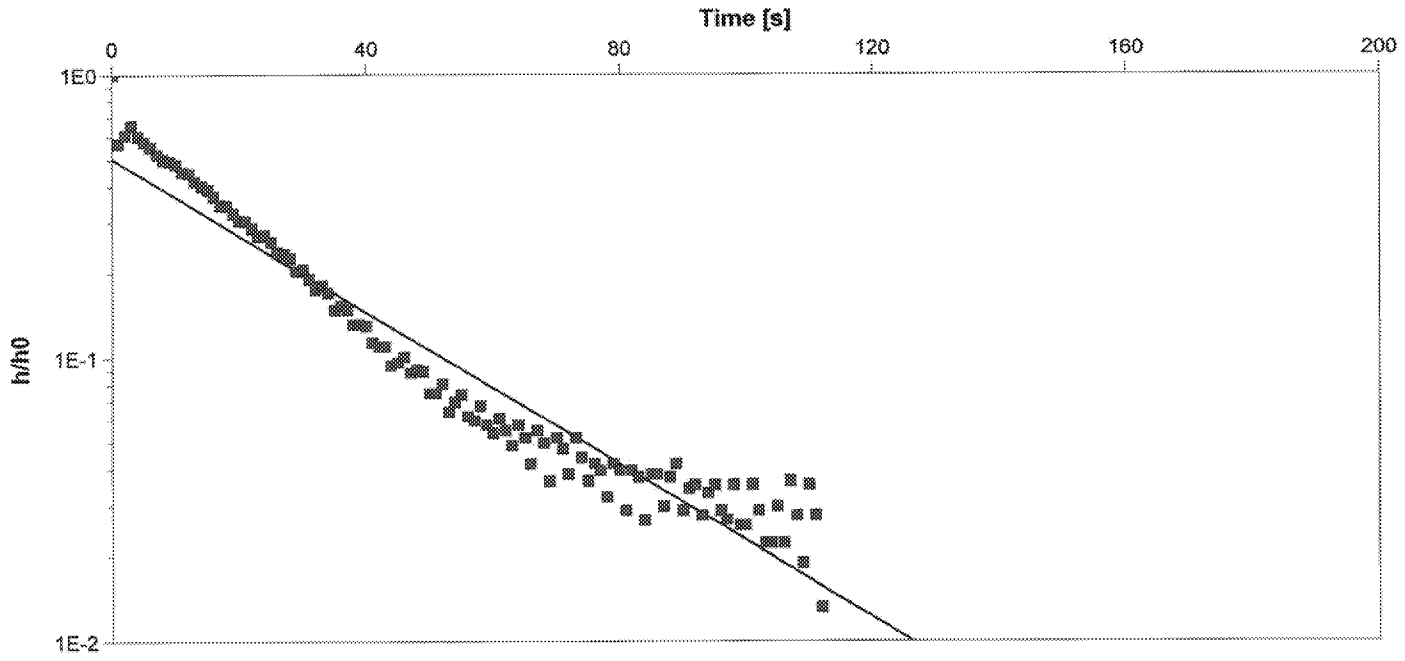
Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
112	111	133.195	0.025
113	112	133.182	0.012

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: FTA-01 Falling	Test Well: FTA-01
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 5.17 ft		

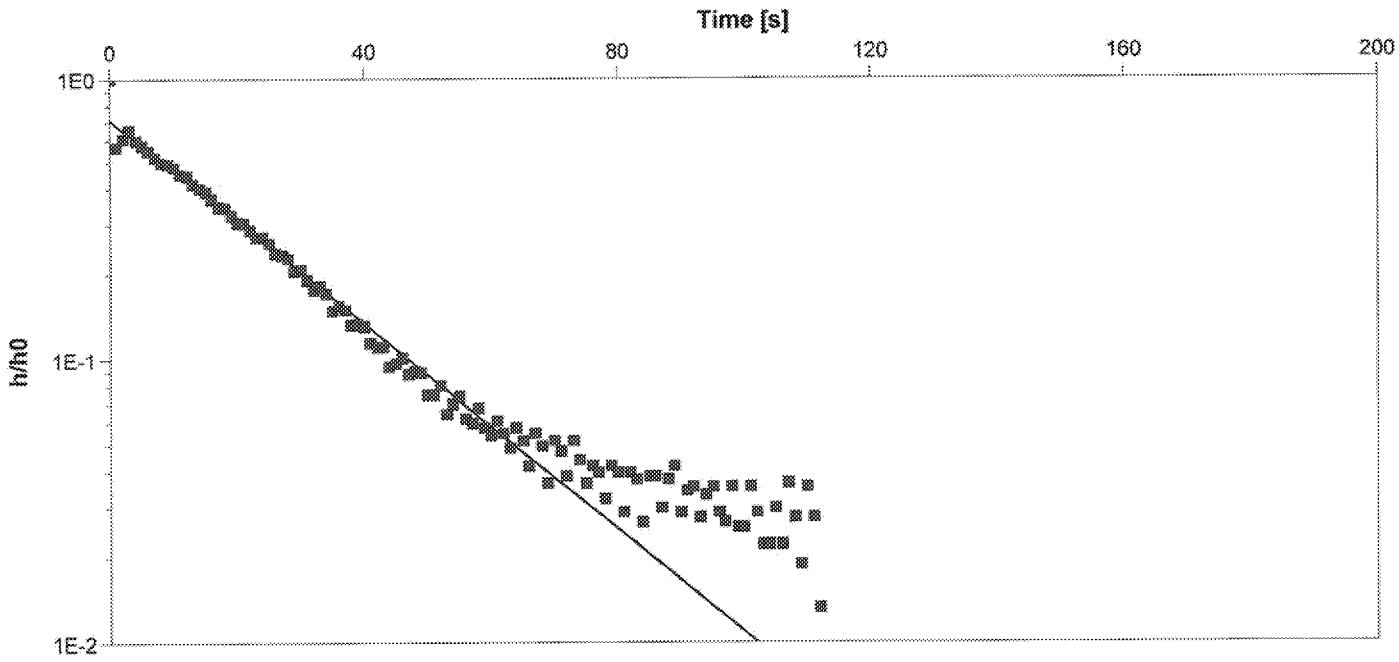


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
FTA-01	5.76×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: FTA-01 Falling	Test Well: FTA-01
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 5.17 ft		

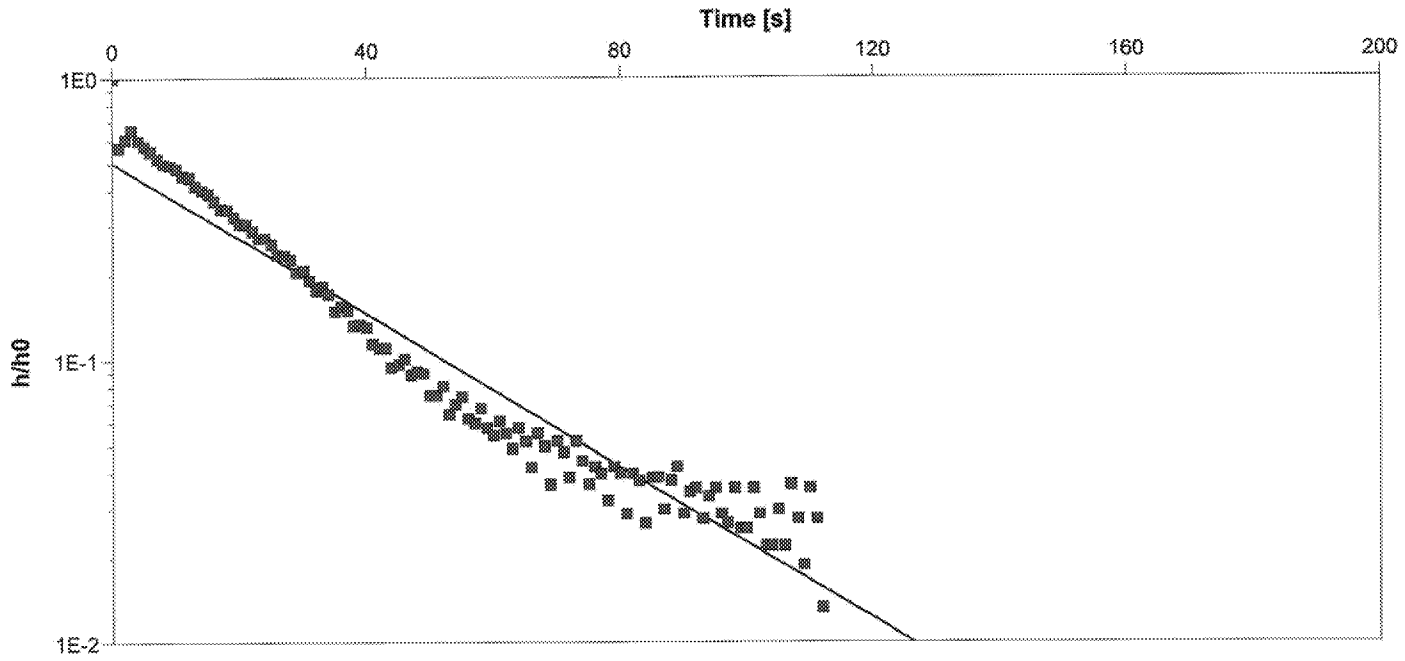


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
FTA-01	7.74×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: FTA-01 Falling	Test Well: FTA-01
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 5.17 ft		

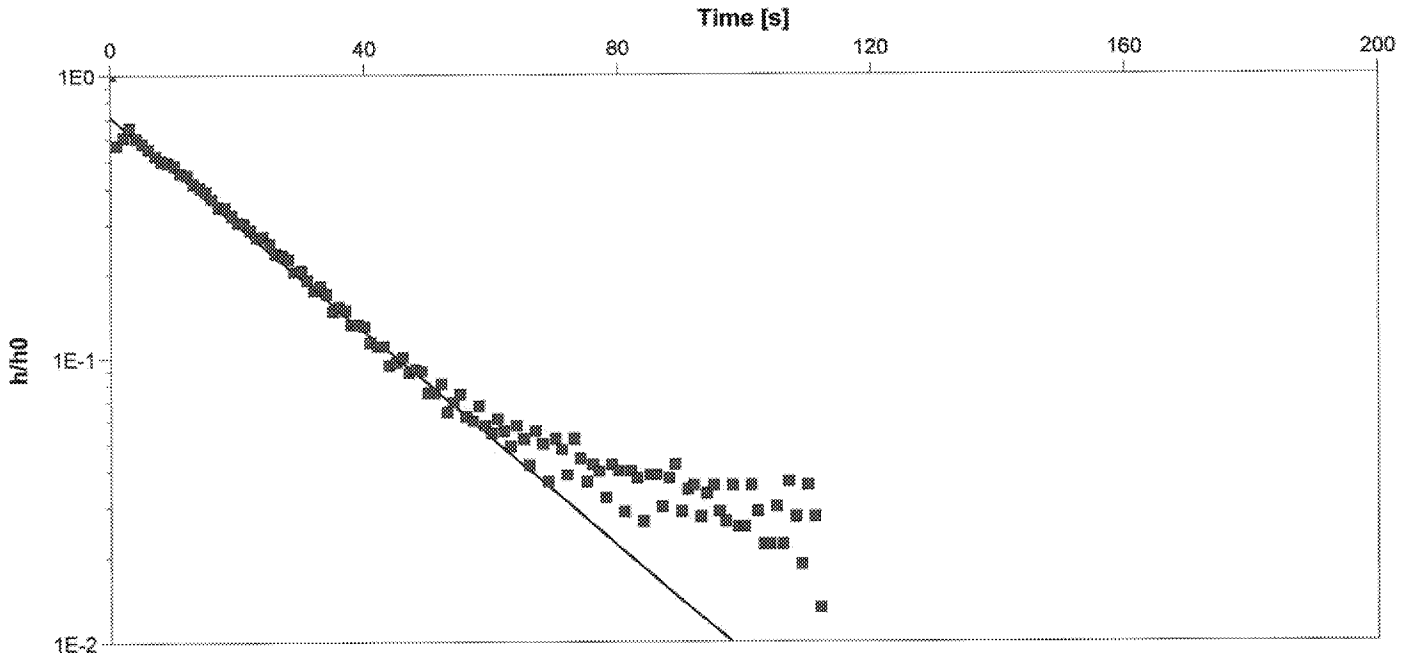


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
FTA-01	4.43×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: FTA-01 Falling	Test Well: FTA-01
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 5.17 ft		



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
FTA-01	6.23×10^{0}	

NAF-01 FALLING HEAD TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test - Water Level Data**	Page 1 of 2
	Project: Additional Site Investigation	
	Number: 449338	
	Client: Chemours	

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Falling	Test Well: NAF-01
Test Conducted by: M. Harder	Test Date: 12/7/2017	
Water level at t=0 [ft]: 142.08	Static Water Level [ft]: 140.76	Water level change at t=0 [ft]: 1.32

	Time [s]	Water Level [ft]	WL Change [ft]
1	0	142.084	1.324
2	1	141.771	1.011
3	2	141.555	0.795
4	3	141.507	0.747
5	4	141.358	0.598
6	5	141.286	0.526
7	6	141.238	0.478
8	7	141.26	0.50
9	8	141.171	0.411
10	9	141.147	0.387
11	10	141.129	0.369
12	11	141.108	0.348
13	12	141.094	0.334
14	13	141.078	0.318
15	14	141.061	0.301
16	15	141.047	0.287
17	16	141.04	0.28
18	17	141.03	0.27
19	18	141.02	0.26
20	19	141.019	0.259
21	20	141.016	0.256
22	21	141.01	0.25
23	22	141.006	0.246
24	23	141.001	0.241
25	24	140.995	0.235
26	25	140.99	0.23
27	26	140.987	0.227
28	27	140.989	0.229
29	28	140.986	0.226
30	29	140.98	0.22
31	30	140.982	0.222
32	31	140.979	0.219
33	32	140.979	0.219
34	33	140.972	0.212
35	34	140.97	0.21
36	35	140.969	0.209
37	36	140.971	0.211
38	37	140.962	0.202
39	38	140.96	0.20
40	39	140.958	0.198
41	40	140.957	0.197
42	41	140.955	0.195
43	42	140.952	0.192
44	43	140.949	0.189
45	44	140.948	0.188
46	45	140.947	0.187
47	46	140.948	0.188
48	47	140.94	0.18
49	48	140.941	0.181
50	49	140.94	0.18
51	50	140.94	0.18
52	51	140.933	0.173
53	52	140.937	0.177

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

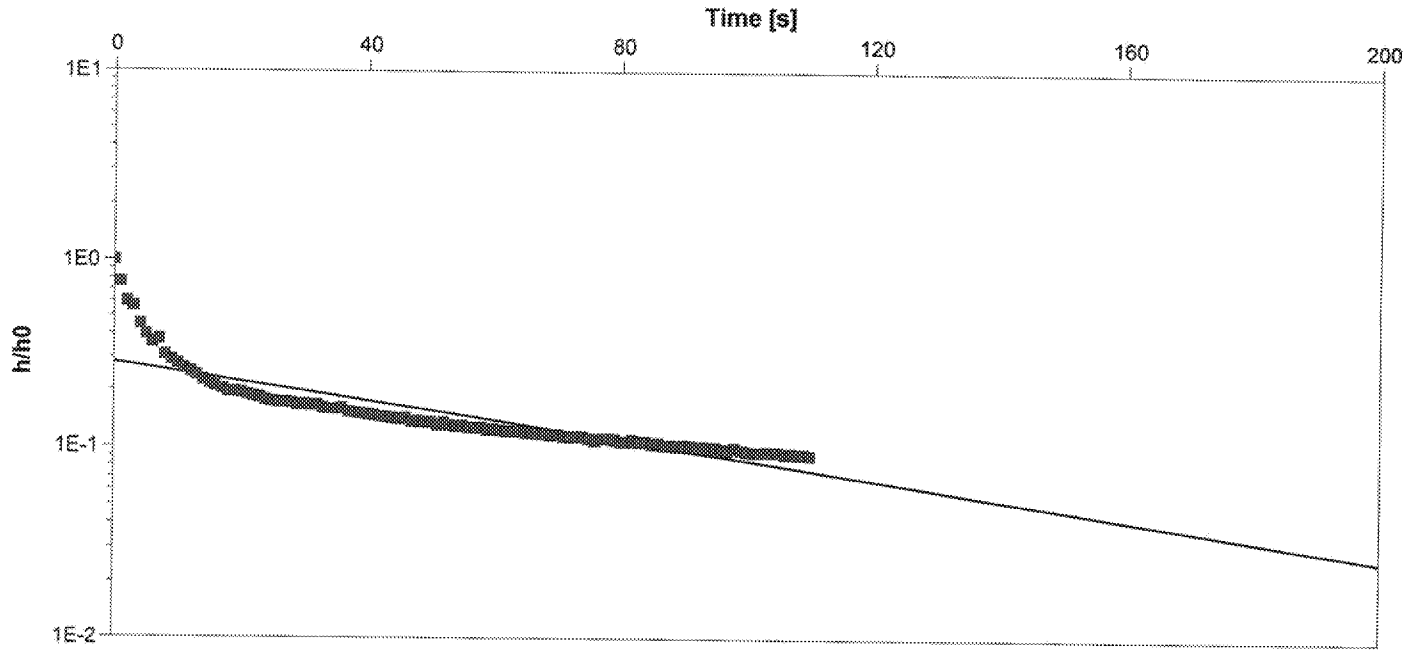
Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
54	53	140.933	0.173
55	54	140.93	0.17
56	55	140.931	0.171
57	56	140.929	0.169
58	57	140.926	0.166
59	58	140.928	0.168
60	59	140.924	0.164
61	60	140.925	0.165
62	61	140.922	0.162
63	62	140.921	0.161
64	63	140.92	0.16
65	64	140.921	0.161
66	65	140.917	0.157
67	66	140.918	0.158
68	67	140.916	0.156
69	68	140.916	0.156
70	69	140.913	0.153
71	70	140.915	0.155
72	71	140.912	0.152
73	72	140.911	0.151
74	73	140.912	0.152
75	74	140.91	0.15
76	75	140.908	0.148
77	76	140.905	0.145
78	77	140.908	0.148
79	78	140.908	0.148
80	79	140.906	0.146
81	80	140.903	0.143
82	81	140.903	0.143
83	82	140.905	0.145
84	83	140.903	0.143
85	84	140.903	0.143
86	85	140.899	0.139
87	86	140.901	0.141
88	87	140.898	0.138
89	88	140.897	0.137
90	89	140.896	0.136
91	90	140.897	0.137
92	91	140.896	0.136
93	92	140.895	0.135
94	93	140.895	0.135
95	94	140.893	0.133
96	95	140.894	0.134
97	96	140.891	0.131
98	97	140.889	0.129
99	98	140.894	0.134
100	99	140.89	0.13
101	100	140.888	0.128
102	101	140.886	0.126
103	102	140.887	0.127
104	103	140.888	0.128
105	104	140.887	0.127
106	105	140.886	0.126
107	106	140.884	0.124
108	107	140.885	0.125
109	108	140.883	0.123
110	109	140.884	0.124
111	110	140.882	0.122

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Falling	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

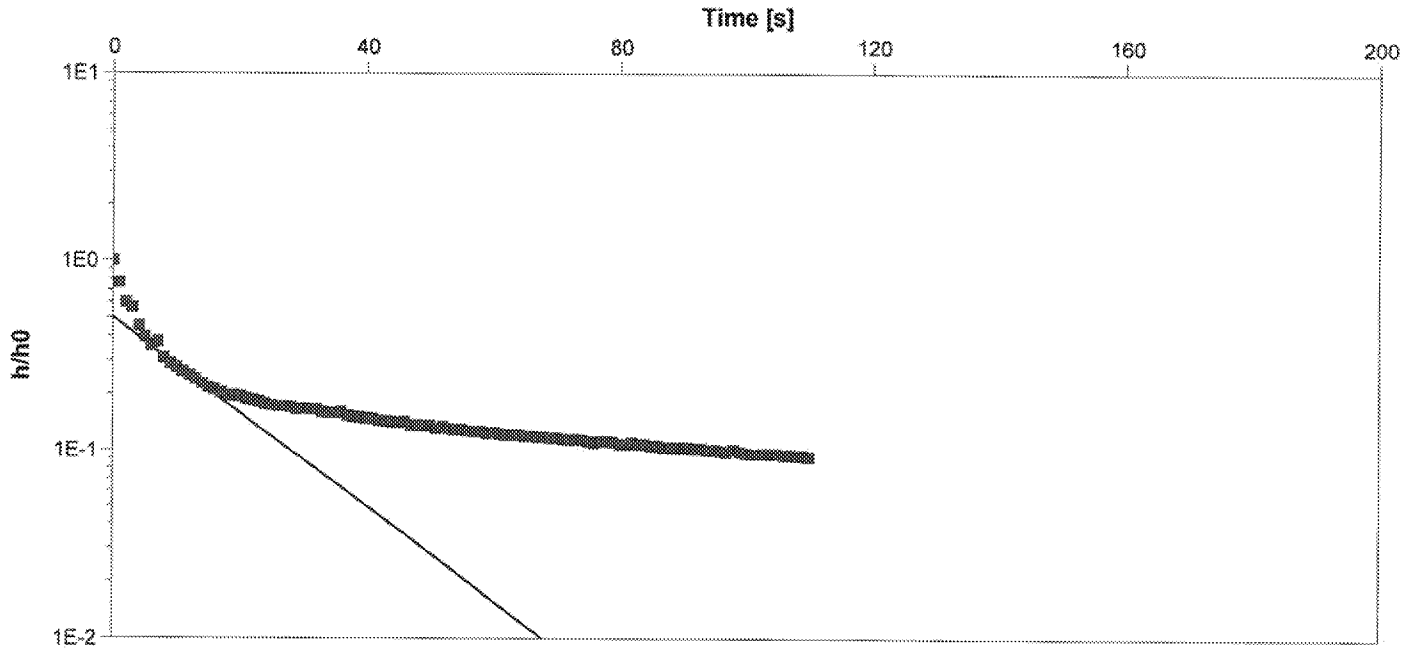


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	2.10×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Falling	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

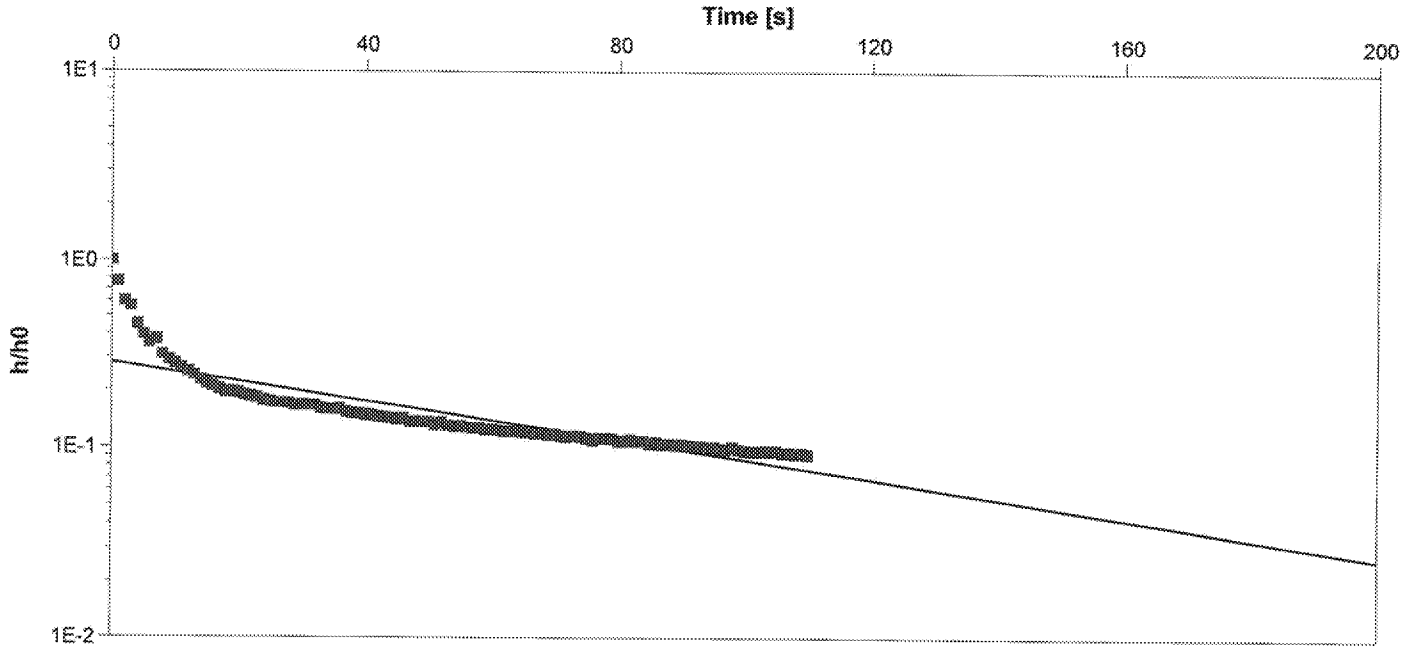


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	1.02×10^{1}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Falling	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

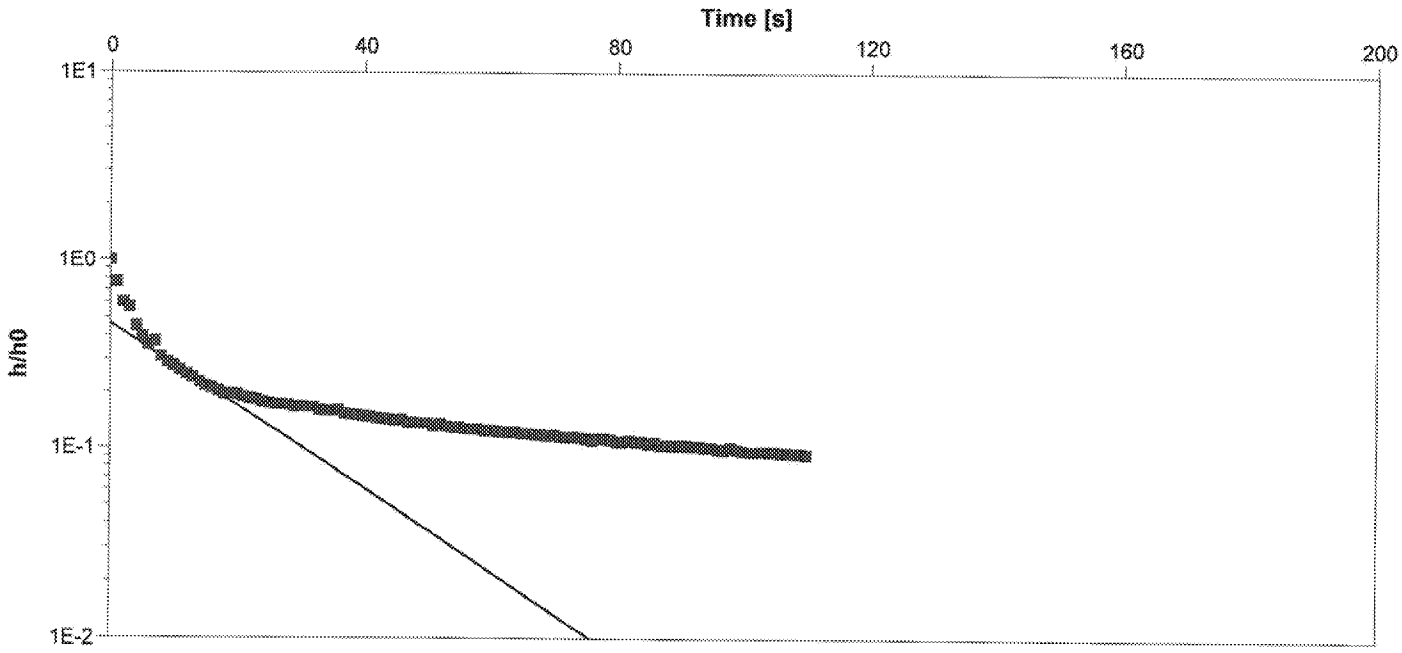


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	1.61×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Falling	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	6.93×10^{0}	

NAF-01 RISING HEAD TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test - Water Level Data**	Page 1 of 2
	Project: Additional Site Investigation	
	Number: 449338	
	Client: Chemours	

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder	Test Date: 12/7/2017	
Water level at t=0 [ft]: 139.55	Static Water Level [ft]: 140.76	Water level change at t=0 [ft]: -1.21

	Time [s]	Water Level [ft]	WL Change [ft]
1	0	139.552	-1.208
2	1	139.702	-1.058
3	2	139.905	-0.855
4	3	140.066	-0.694
5	4	140.196	-0.564
6	5	140.285	-0.475
7	6	140.349	-0.411
8	7	140.386	-0.374
9	8	140.424	-0.336
10	9	140.446	-0.314
11	10	140.458	-0.302
12	11	140.473	-0.287
13	12	140.487	-0.273
14	13	140.496	-0.264
15	14	140.503	-0.257
16	15	140.509	-0.251
17	16	140.516	-0.244
18	17	140.527	-0.233
19	18	140.529	-0.231
20	19	140.534	-0.226
21	20	140.541	-0.219
22	21	140.541	-0.219
23	22	140.547	-0.213
24	23	140.555	-0.205
25	24	140.554	-0.206
26	25	140.561	-0.199
27	26	140.561	-0.199
28	27	140.564	-0.196
29	28	140.567	-0.193
30	29	140.572	-0.188
31	30	140.576	-0.184
32	31	140.572	-0.188
33	32	140.577	-0.183
34	33	140.581	-0.179
35	34	140.582	-0.178
36	35	140.582	-0.178
37	36	140.588	-0.172
38	37	140.582	-0.178
39	38	140.596	-0.164
40	39	140.593	-0.167
41	40	140.594	-0.166
42	41	140.598	-0.162
43	42	140.599	-0.161
44	43	140.601	-0.159
45	44	140.601	-0.159
46	45	140.608	-0.152
47	46	140.606	-0.154
48	47	140.608	-0.152
49	48	140.609	-0.151
50	49	140.61	-0.15
51	50	140.613	-0.147
52	51	140.611	-0.149
53	52	140.617	-0.143

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

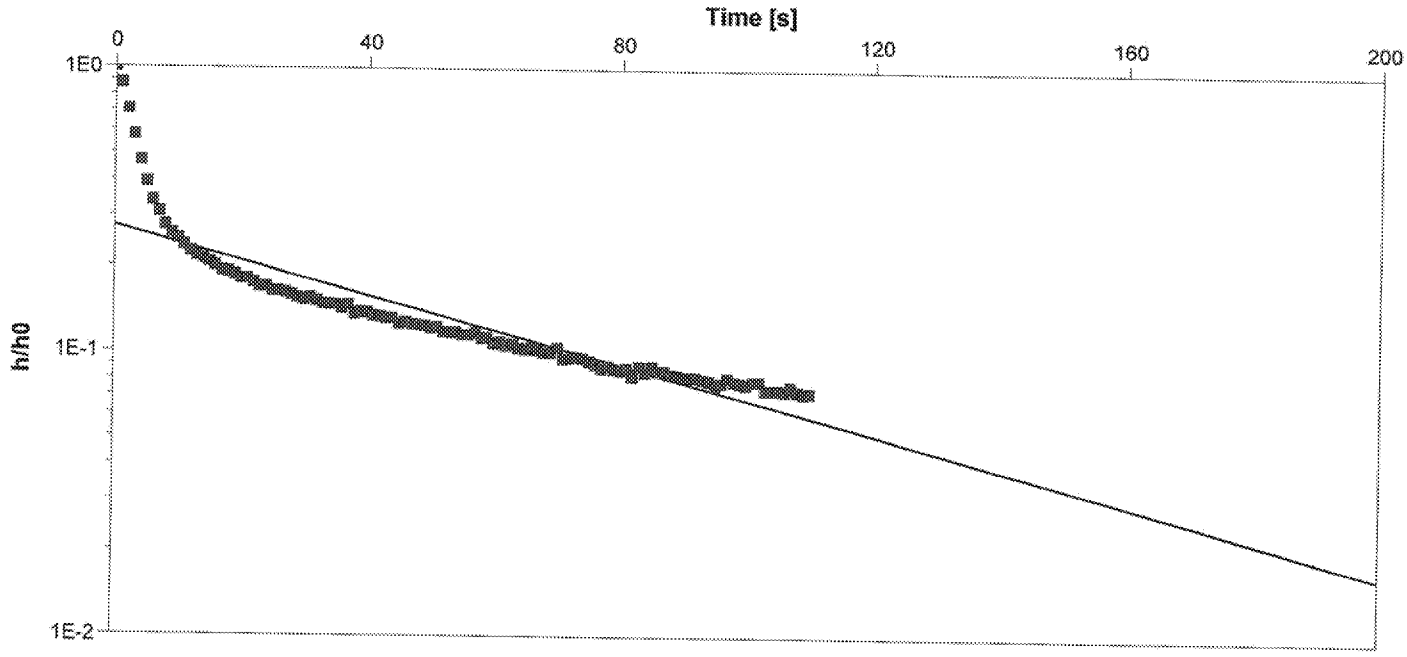
Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
54	53	140.618	-0.142
55	54	140.617	-0.143
56	55	140.621	-0.139
57	56	140.621	-0.139
58	57	140.617	-0.143
59	58	140.624	-0.136
60	59	140.623	-0.137
61	60	140.63	-0.13
62	61	140.628	-0.132
63	62	140.632	-0.128
64	63	140.63	-0.13
65	64	140.635	-0.125
66	65	140.636	-0.124
67	66	140.634	-0.126
68	67	140.637	-0.123
69	68	140.639	-0.121
70	69	140.639	-0.121
71	70	140.634	-0.126
72	71	140.645	-0.115
73	72	140.644	-0.116
74	73	140.643	-0.117
75	74	140.644	-0.116
76	75	140.647	-0.113
77	76	140.65	-0.11
78	77	140.653	-0.107
79	78	140.651	-0.109
80	79	140.654	-0.106
81	80	140.655	-0.105
82	81	140.653	-0.107
83	82	140.66	-0.10
84	83	140.652	-0.108
85	84	140.657	-0.103
86	85	140.652	-0.108
87	86	140.656	-0.104
88	87	140.655	-0.105
89	88	140.658	-0.102
90	89	140.659	-0.101
91	90	140.661	-0.099
92	91	140.66	-0.10
93	92	140.661	-0.099
94	93	140.662	-0.098
95	94	140.663	-0.097
96	95	140.667	-0.093
97	96	140.665	-0.095
98	97	140.661	-0.099
99	98	140.664	-0.096
100	99	140.665	-0.095
101	100	140.666	-0.094
102	101	140.664	-0.096
103	102	140.664	-0.096
104	103	140.67	-0.09
105	104	140.67	-0.09
106	105	140.67	-0.09
107	106	140.671	-0.089
108	107	140.668	-0.092
109	108	140.671	-0.089
110	109	140.673	-0.087
111	110	140.672	-0.088

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

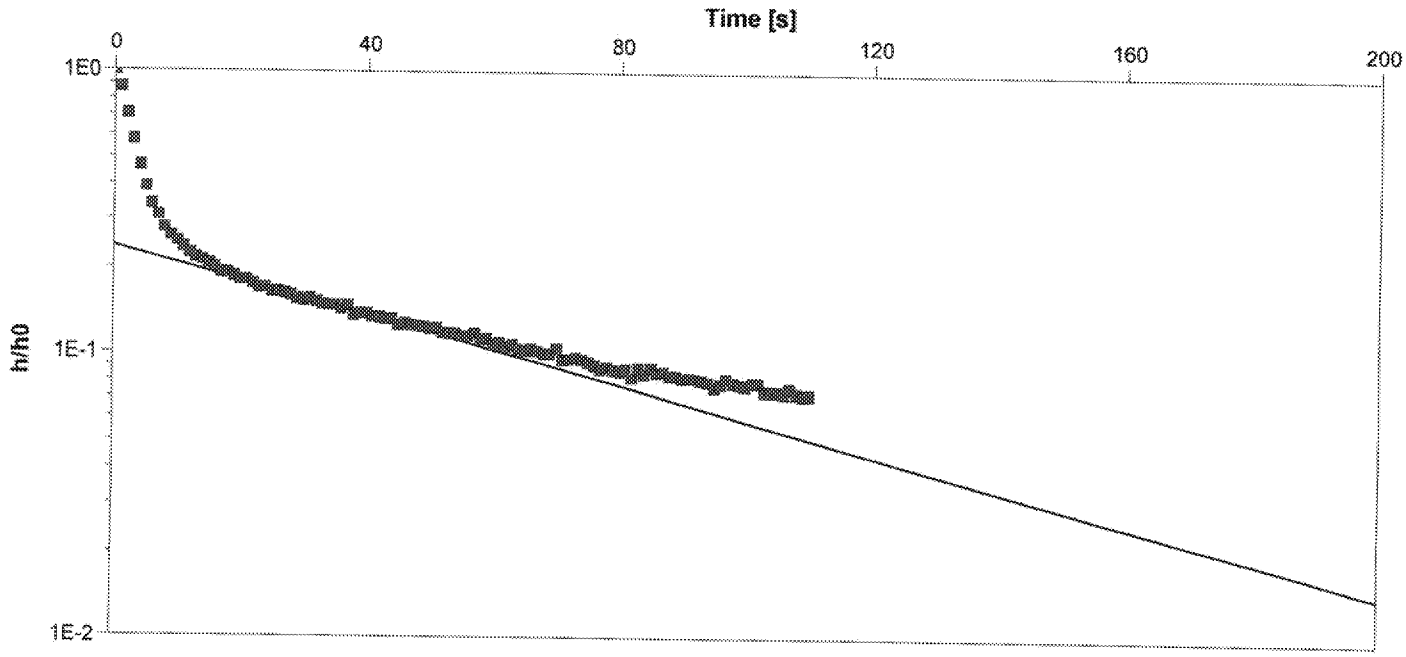


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	2.49×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

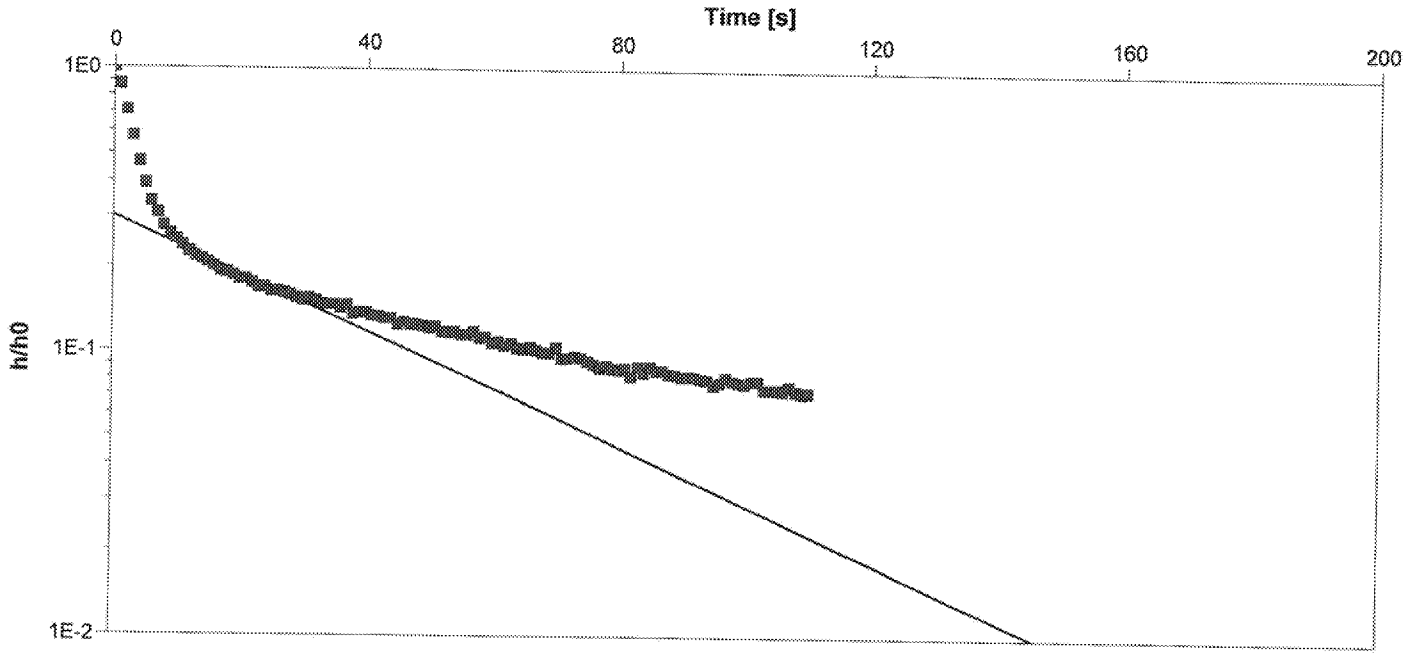


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	2.49×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

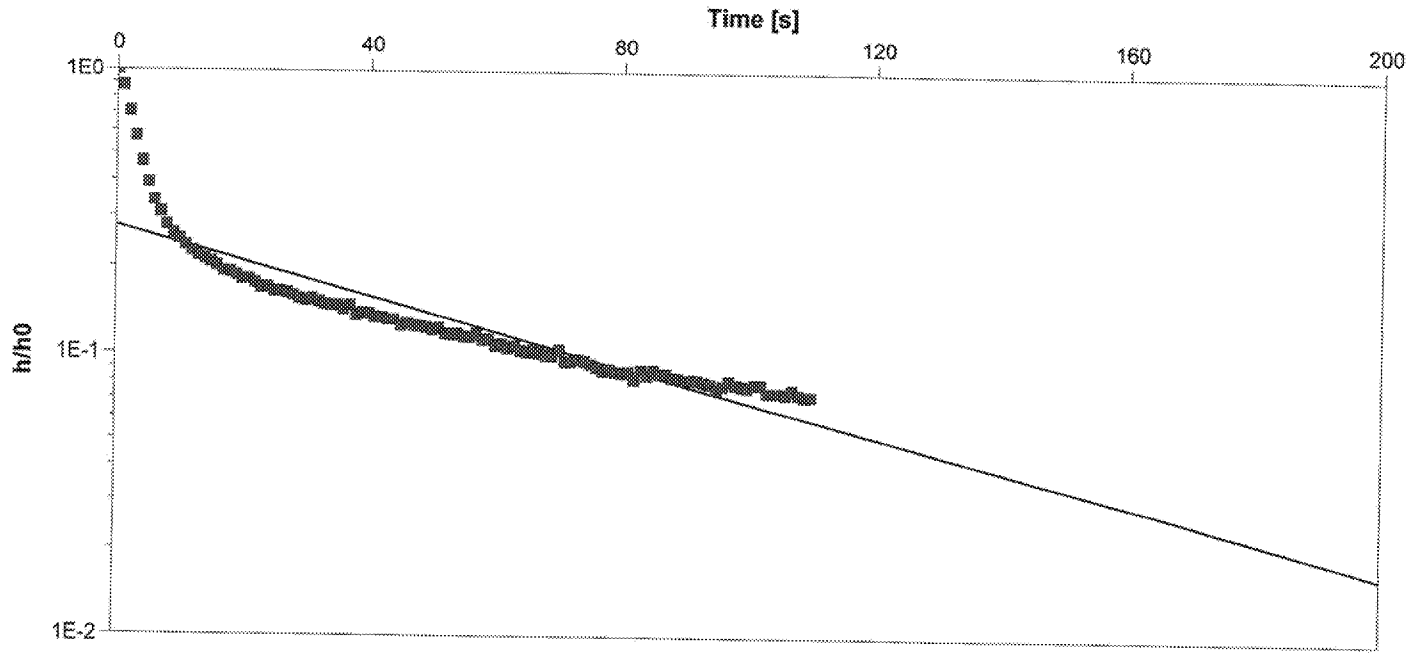


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	4.15×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

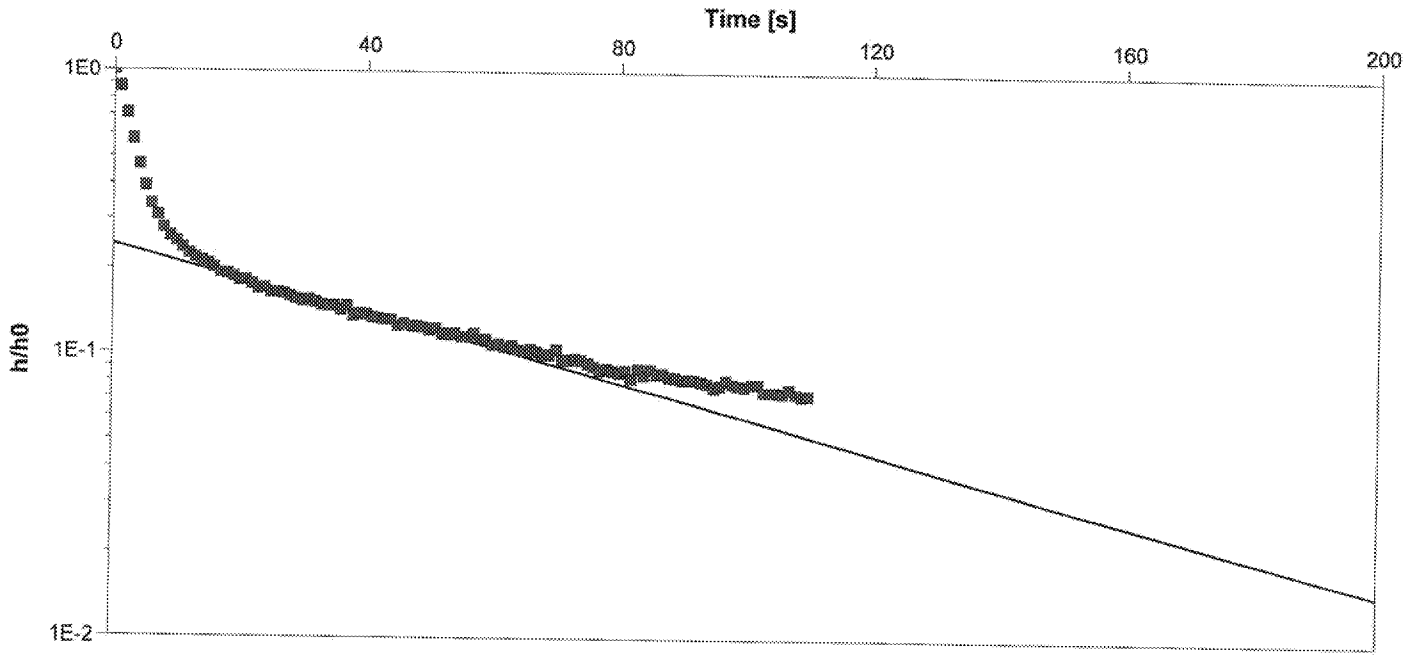


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	1.92×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		

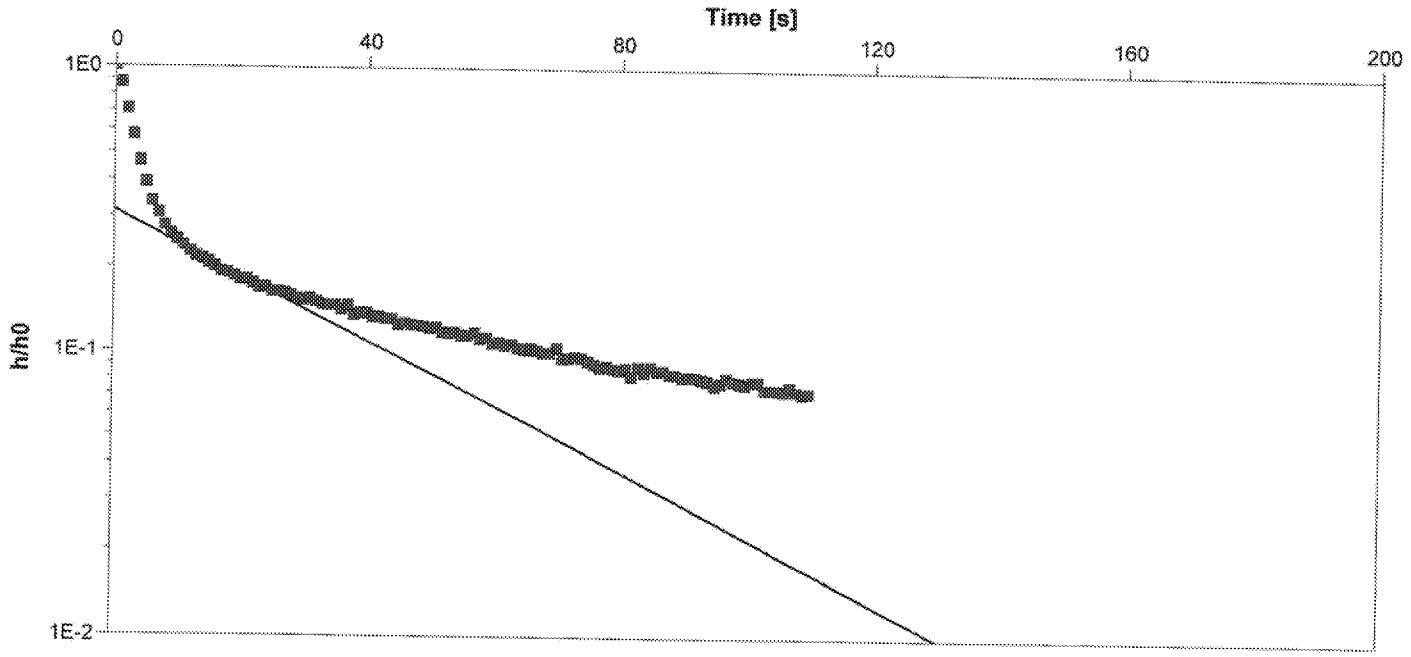


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	1.92×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-01 Rising	Test Well: NAF-01
Test Conducted by: M. Harder		Test Date: 12/7/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.61 ft		



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-01	3.62×10^{0}	

NAF-02 FALLING HEAD TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test - Water Level Data**	Page 1 of 2
	Project: Additional Site Investigation	
	Number: 449338	
	Client: Chemours	

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Falling	Test Well: NAF-02
Test Conducted by: M. Harder	Test Date: 12/8/2017	
Water level at t=0 [ft]: 140.98	Static Water Level [ft]: 140.35	Water level change at t=0 [ft]: 0.63

	Time [s]	Water Level [ft]	WL Change [ft]
1	0	140.98	0.63
2	1	140.65	0.30
3	2	140.62	0.27
4	3	140.56	0.21
5	4	140.54	0.19
6	5	140.53	0.18
7	6	140.51	0.16
8	7	140.51	0.16
9	8	140.50	0.15
10	9	140.50	0.15
11	10	140.49	0.14
12	11	140.48	0.13
13	12	140.48	0.13
14	13	140.48	0.13
15	14	140.48	0.13
16	15	140.47	0.12
17	16	140.47	0.12
18	17	140.46	0.11
19	18	140.46	0.11
20	19	140.46	0.11
21	20	140.46	0.11
22	21	140.45	0.10
23	22	140.45	0.10
24	23	140.45	0.10
25	24	140.45	0.10
26	25	140.45	0.10
27	26	140.44	0.09
28	27	140.44	0.09
29	28	140.44	0.09
30	29	140.44	0.09
31	30	140.44	0.09
32	31	140.43	0.08
33	32	140.43	0.08
34	33	140.43	0.08
35	34	140.43	0.08
36	35	140.43	0.08
37	36	140.42	0.07
38	37	140.42	0.07
39	38	140.42	0.07
40	39	140.42	0.07
41	40	140.42	0.07
42	41	140.42	0.07
43	42	140.42	0.07
44	43	140.42	0.07
45	44	140.42	0.07
46	45	140.42	0.07
47	46	140.41	0.06
48	47	140.41	0.06
49	48	140.41	0.06
50	49	140.41	0.06
51	50	140.41	0.06
52	51	140.41	0.06
53	52	140.41	0.06

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

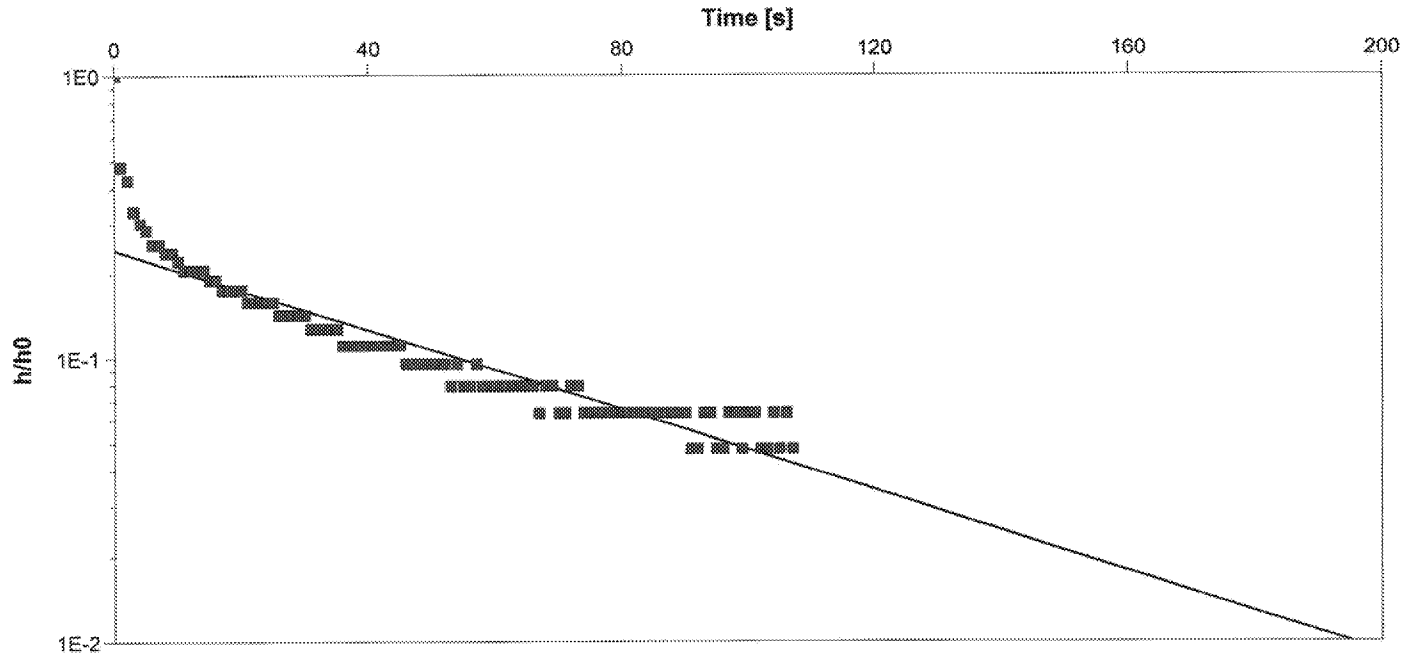
Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
54	53	140.40	0.05
55	54	140.41	0.06
56	55	140.40	0.05
57	56	140.40	0.05
58	57	140.41	0.06
59	58	140.40	0.05
60	59	140.40	0.05
61	60	140.40	0.05
62	61	140.40	0.05
63	62	140.40	0.05
64	63	140.40	0.05
65	64	140.40	0.05
66	65	140.40	0.05
67	66	140.40	0.05
68	67	140.39	0.04
69	68	140.40	0.05
70	69	140.40	0.05
71	70	140.39	0.04
72	71	140.39	0.04
73	72	140.40	0.05
74	73	140.40	0.05
75	74	140.39	0.04
76	75	140.39	0.04
77	76	140.39	0.04
78	77	140.39	0.04
79	78	140.39	0.04
80	79	140.39	0.04
81	80	140.39	0.04
82	81	140.39	0.04
83	82	140.39	0.04
84	83	140.39	0.04
85	84	140.39	0.04
86	85	140.39	0.04
87	86	140.39	0.04
88	87	140.39	0.04
89	88	140.39	0.04
90	89	140.39	0.04
91	90	140.39	0.04
92	91	140.38	0.03
93	92	140.38	0.03
94	93	140.39	0.04
95	94	140.39	0.04
96	95	140.38	0.03
97	96	140.38	0.03
98	97	140.39	0.04
99	98	140.39	0.04
100	99	140.38	0.03
101	100	140.39	0.04
102	101	140.39	0.04
103	102	140.38	0.03
104	103	140.38	0.03
105	104	140.39	0.04
106	105	140.38	0.03
107	106	140.39	0.04
108	107	140.38	0.03

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Falling	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

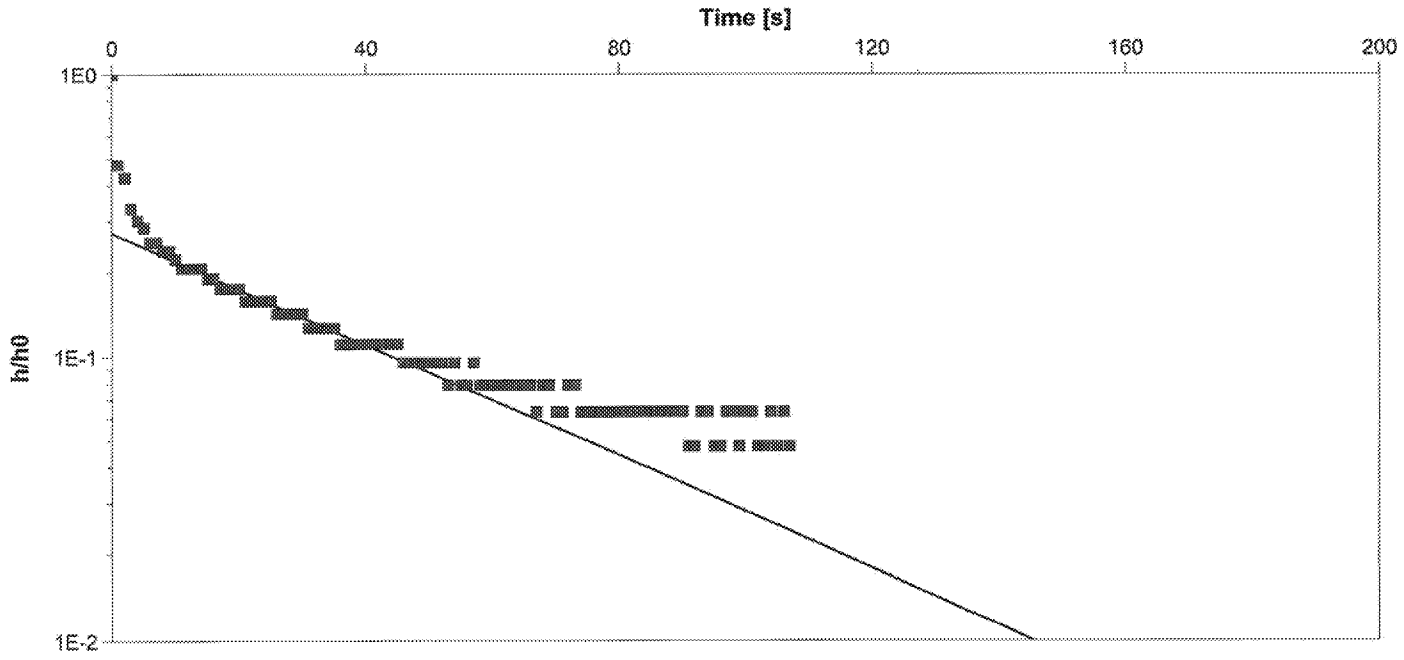


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	2.54×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Falling	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

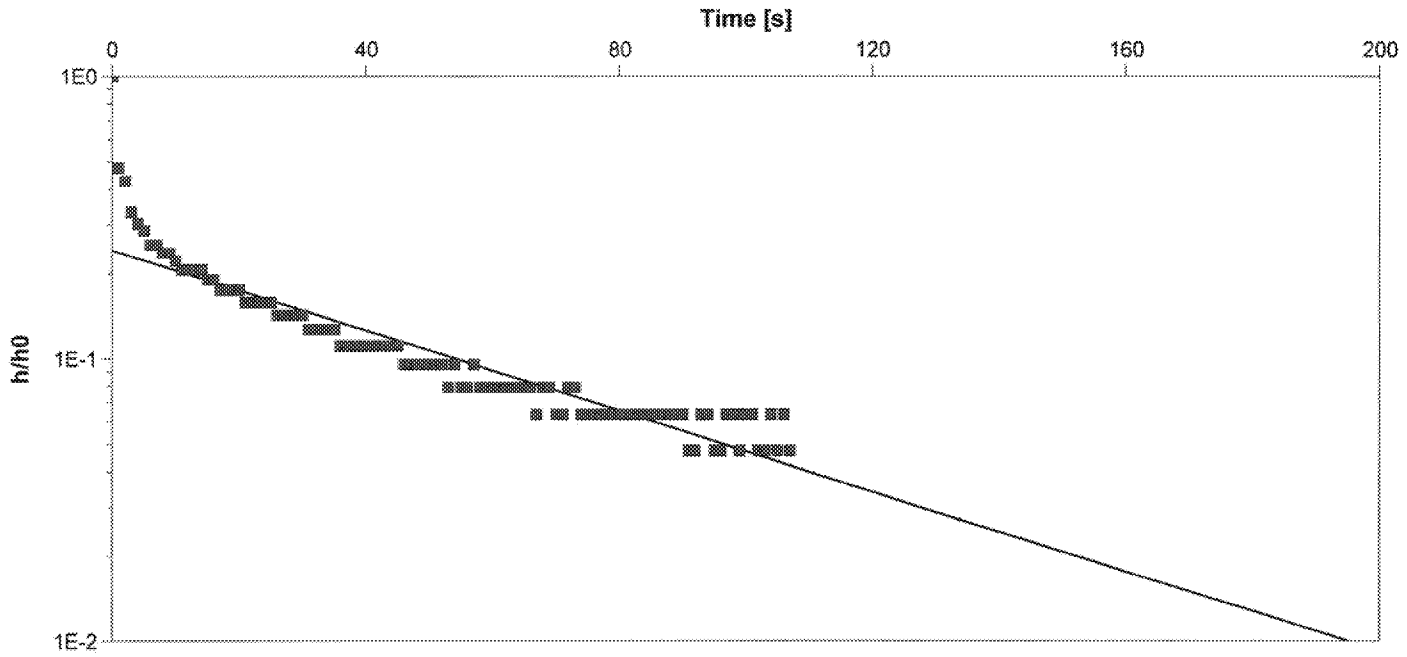


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	3.54×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Falling	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

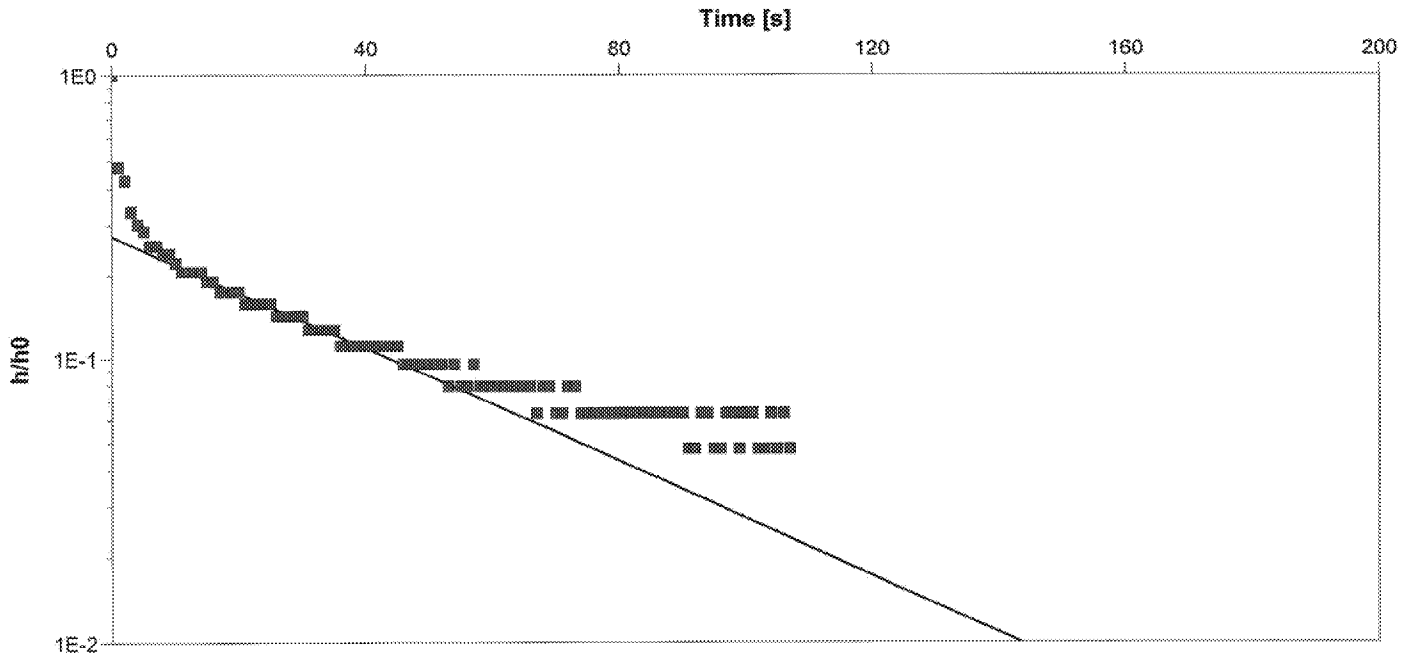


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	1.96×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Falling	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	2.77×10^{0}	

NAF-02 RISING HEAD TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test - Water Level Data**	Page 1 of 2
	Project: Additional Site Investigation	
	Number: 449338	
	Client: Chemours	

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Rising	Test Well: NAF-02
Test Conducted by: M. Harder	Test Date: 12/8/2017	
Water level at t=0 [ft]: 139.22	Static Water Level [ft]: 140.35	Water level change at t=0 [ft]: -1.13

	Time [s]	Water Level [ft]	WL Change [ft]
1	0	139.225	-1.125
2	1	139.48	-0.87
3	2	139.86	-0.49
4	3	140.023	-0.327
5	4	140.086	-0.264
6	5	140.119	-0.231
7	6	140.139	-0.211
8	7	140.155	-0.195
9	8	140.166	-0.184
10	9	140.177	-0.173
11	10	140.185	-0.165
12	11	140.192	-0.158
13	12	140.20	-0.15
14	13	140.207	-0.143
15	14	140.213	-0.137
16	15	140.22	-0.13
17	16	140.225	-0.125
18	17	140.23	-0.12
19	18	140.234	-0.116
20	19	140.238	-0.112
21	20	140.245	-0.105
22	21	140.251	-0.099
23	22	140.254	-0.096
24	23	140.257	-0.093
25	24	140.259	-0.091
26	25	140.266	-0.084
27	26	140.268	-0.082
28	27	140.274	-0.076
29	28	140.271	-0.079
30	29	140.276	-0.074
31	30	140.279	-0.071
32	31	140.285	-0.065
33	32	140.285	-0.065
34	33	140.288	-0.062
35	34	140.292	-0.058
36	35	140.292	-0.058
37	36	140.295	-0.055
38	37	140.297	-0.053
39	38	140.30	-0.05
40	39	140.305	-0.045
41	40	140.304	-0.046
42	41	140.307	-0.043
43	42	140.309	-0.041
44	43	140.309	-0.041
45	44	140.31	-0.04
46	45	140.309	-0.041
47	46	140.315	-0.035
48	47	140.311	-0.039
49	48	140.319	-0.031
50	49	140.317	-0.033
51	50	140.321	-0.029
52	51	140.318	-0.032
53	52	140.32	-0.03

Parsons
4701 Hedgemore Drive
PARSONS Charlotte, North Carolina

Slug Test - Water Level Data

Project: Additional Site Investigation

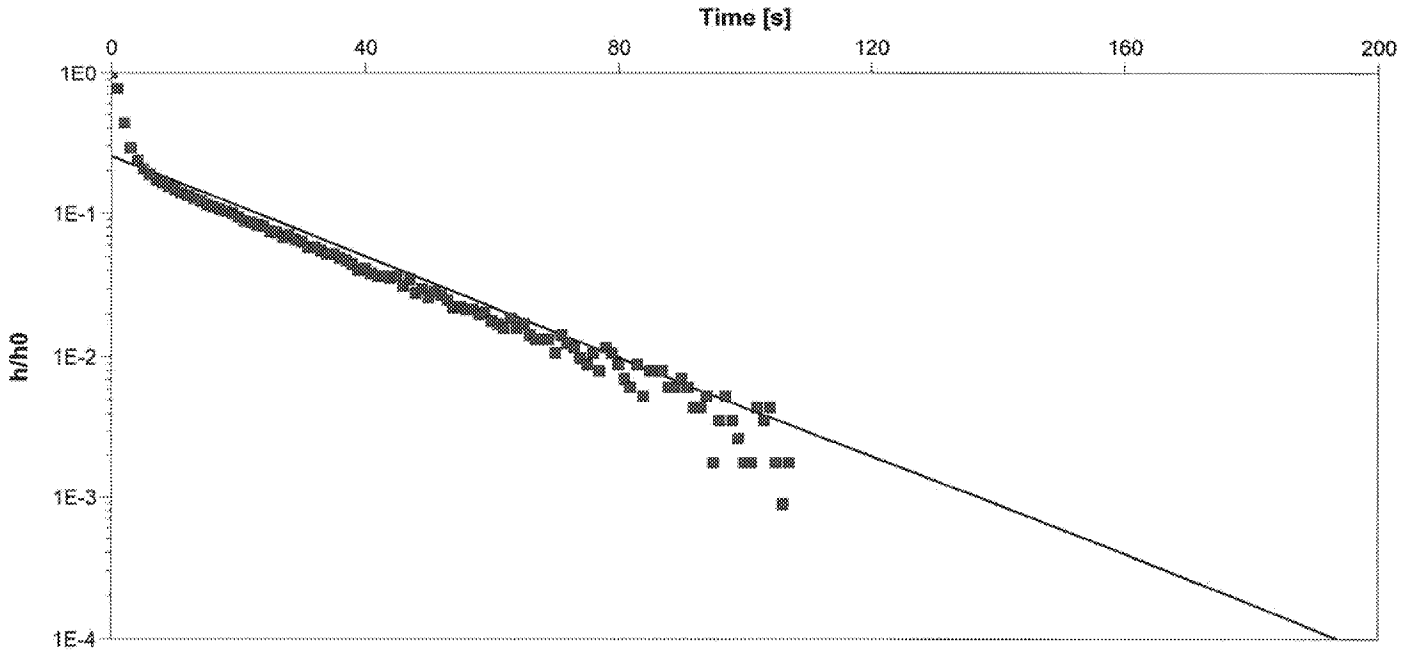
Number: 449338

Client: Chemours

	Time [s]	Water Level [ft]	WL Change [ft]
54	53	140.322	-0.028
55	54	140.325	-0.025
56	55	140.325	-0.025
57	56	140.326	-0.024
58	57	140.326	-0.024
59	58	140.328	-0.022
60	59	140.327	-0.023
61	60	140.33	-0.02
62	61	140.331	-0.019
63	62	140.332	-0.018
64	63	140.329	-0.021
65	64	140.332	-0.018
66	65	140.331	-0.019
67	66	140.334	-0.016
68	67	140.335	-0.015
69	68	140.335	-0.015
70	69	140.335	-0.015
71	70	140.338	-0.012
72	71	140.334	-0.016
73	72	140.336	-0.014
74	73	140.337	-0.013
75	74	140.339	-0.011
76	75	140.34	-0.01
77	76	140.338	-0.012
78	77	140.341	-0.009
79	78	140.337	-0.013
80	79	140.338	-0.012
81	80	140.34	-0.01
82	81	140.342	-0.008
83	82	140.343	-0.007
84	83	140.34	-0.01
85	84	140.344	-0.006
86	85	140.341	-0.009
87	86	140.341	-0.009
88	87	140.341	-0.009
89	88	140.343	-0.007
90	89	140.343	-0.007
91	90	140.342	-0.008
92	91	140.343	-0.007
93	92	140.345	-0.005
94	93	140.345	-0.005
95	94	140.344	-0.006
96	95	140.348	-0.002
97	96	140.346	-0.004
98	97	140.344	-0.006
99	98	140.346	-0.004
100	99	140.347	-0.003
101	100	140.348	-0.002
102	101	140.348	-0.002
103	102	140.345	-0.005
104	103	140.346	-0.004
105	104	140.345	-0.005
106	105	140.348	-0.002
107	106	140.349	-0.001
108	107	140.348	-0.002

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Rising	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

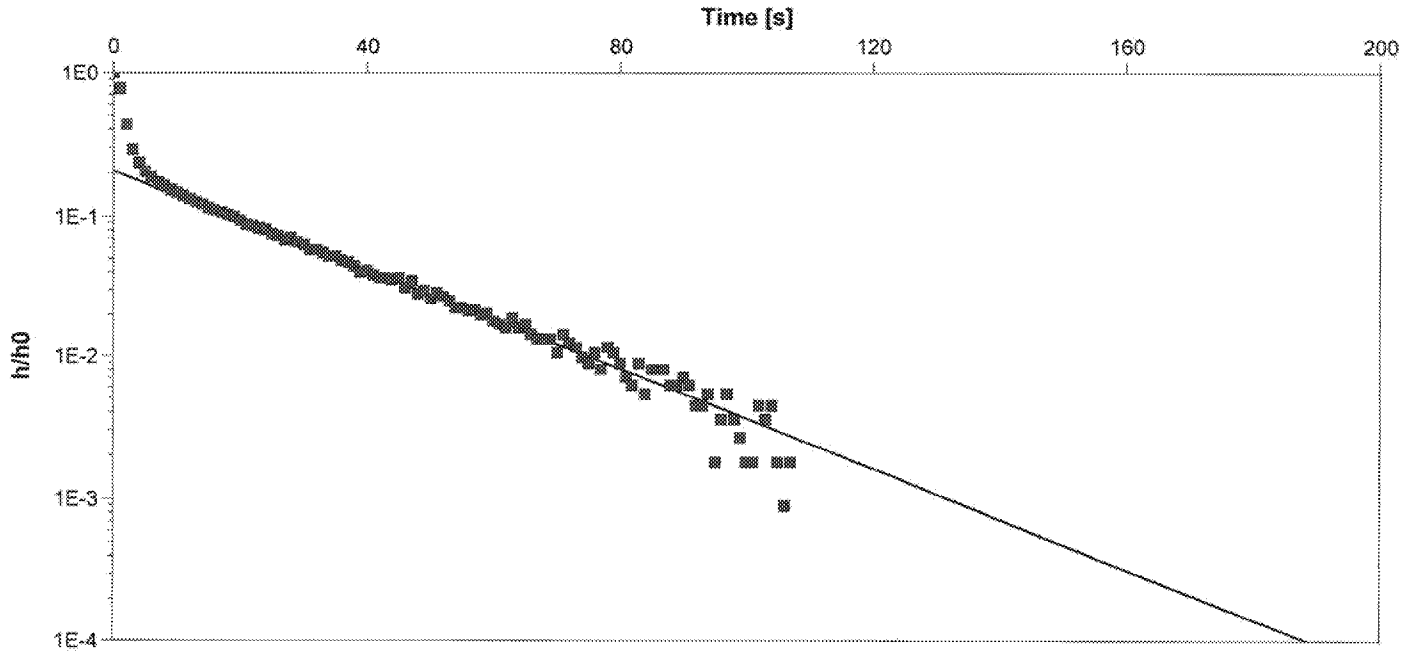


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	6.30×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Rising	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Hvorslev	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

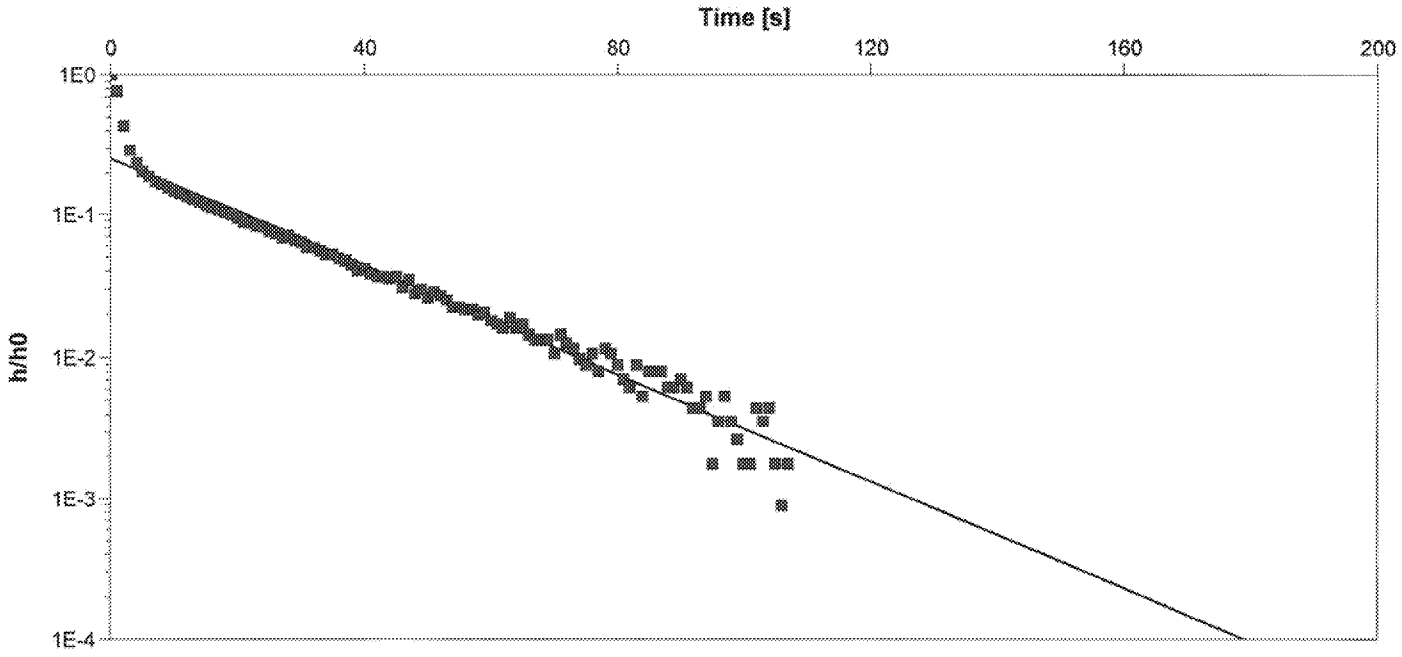


Calculation using Hvorslev

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	6.30×10^{9}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Rising	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		

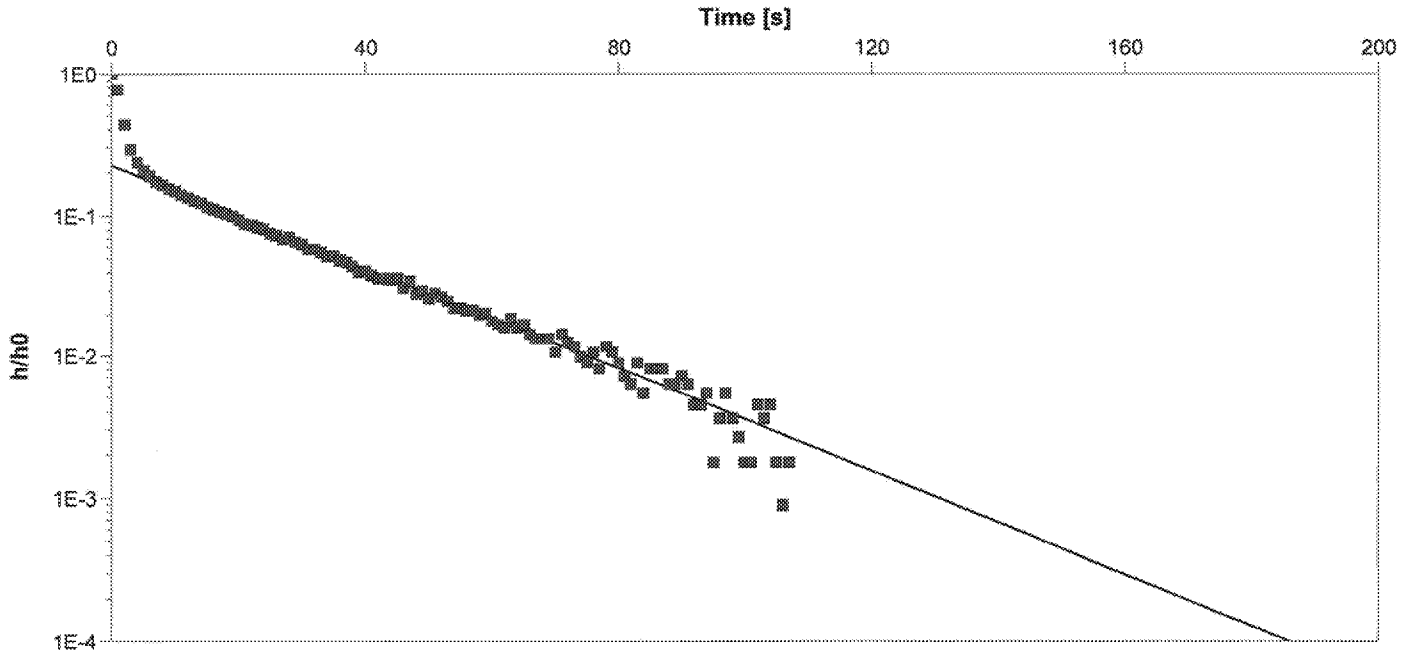


Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	5.26×10^{0}	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Slug Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: Chemours

Location: Chemours Fayyeteville Works	Slug Test: NAF-02 Rising	Test Well: NAF-02
Test Conducted by: M. Harder		Test Date: 12/8/2017
Analysis Performed by: R. Liddle	Bouwer & Rice	Analysis Date: 1/15/2018
Aquifer Thickness: 7.35 ft		



Calculation using Bouwer & Rice

Observation Well	Hydraulic Conductivity [ft/d]	
NAF-02	4.98×10^{0}	

MW-22 PUMP TEST ANALYSIS REPORT

PARSONS

PARSONS

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test - Water Level Data**	Page 1 of 1
	Project: Additional Site Investigation	
	Number: 449338	
	Client: The Chemours Company FC, LLC	

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 33.354 [U.S. gal
Observation Well: MW-22D	Static Water Level [ft]: 36.40	Radial Distance to PW [ft]: -

	Time [s]	Water Level [ft]	Drawdown [ft]
1	60	47.20	10.80
2	90	48.70	12.30
3	120	49.30	12.90
4	150	49.70	13.30
5	180	49.80	13.40
6	210	49.90	13.50
7	240	50.00	13.60
8	270	50.00	13.60
9	300	50.00	13.60
10	600	50.10	13.70
11	1200	50.25	13.85
12	2880	50.45	14.05
13	4440	50.46	14.06
14	5460	50.50	14.10

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 33.354 [U.S. gal
Observation Well: MW-16D	Static Water Level [ft]: 36.52	Radial Distance to PW [ft]: 47.5

	Time [s]	Water Level [ft]	Drawdown [ft]
1	10	36.523	0.003
2	20	36.525	0.005
3	30	36.529	0.009
4	40	36.536	0.016
5	50	36.551	0.031
6	60	36.564	0.044
7	70	36.583	0.063
8	80	36.595	0.075
9	90	36.616	0.096
10	100	36.633	0.113
11	110	36.651	0.131
12	120	36.669	0.149
13	130	36.685	0.165
14	140	36.703	0.183
15	150	36.715	0.195
16	160	36.737	0.217
17	170	36.749	0.229
18	180	36.768	0.248
19	190	36.779	0.259
20	200	36.791	0.271
21	210	36.806	0.286
22	220	36.813	0.293
23	230	36.825	0.305
24	240	36.838	0.318
25	250	36.848	0.328
26	260	36.86	0.34
27	270	36.868	0.348
28	280	36.876	0.356
29	290	36.883	0.363
30	300	36.893	0.373
31	310	36.901	0.381
32	320	36.906	0.386
33	330	36.912	0.392
34	340	36.917	0.397
35	350	36.927	0.407
36	360	36.932	0.412
37	370	36.944	0.424
38	380	36.947	0.427
39	390	36.952	0.432
40	400	36.956	0.436
41	410	36.96	0.44
42	420	36.967	0.447
43	430	36.973	0.453
44	440	36.974	0.454
45	450	36.978	0.458
46	460	36.986	0.466
47	470	36.988	0.468
48	480	36.996	0.476
49	490	36.995	0.475
50	500	36.999	0.479
51	510	37.005	0.485
52	520	37.008	0.488
53	530	37.014	0.494

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

	Time [s]	Water Level [ft]	Drawdown [ft]
54	540	37.013	0.493
55	550	37.018	0.498
56	560	37.02	0.50
57	570	37.023	0.503
58	580	37.025	0.505
59	590	37.031	0.511
60	600	37.032	0.512
61	610	37.035	0.515
62	620	37.037	0.517
63	630	37.04	0.52
64	640	37.042	0.522
65	650	37.045	0.525
66	660	37.048	0.528
67	670	37.052	0.532
68	680	37.053	0.533
69	690	37.055	0.535
70	700	37.054	0.534
71	710	37.058	0.538
72	720	37.057	0.537
73	730	37.064	0.544
74	740	37.064	0.544
75	750	37.066	0.546
76	760	37.068	0.548
77	770	37.073	0.553
78	780	37.076	0.556
79	790	37.07	0.55
80	800	37.077	0.557
81	810	37.083	0.563
82	820	37.08	0.56
83	830	37.083	0.563
84	840	37.085	0.565
85	850	37.085	0.565
86	860	37.088	0.568
87	870	37.09	0.57
88	880	37.091	0.571
89	890	37.092	0.572
90	900	37.096	0.576
91	910	37.099	0.579
92	920	37.102	0.582
93	930	37.102	0.582
94	940	37.103	0.583
95	950	37.107	0.587
96	960	37.107	0.587
97	970	37.109	0.589
98	980	37.108	0.588
99	990	37.109	0.589
100	1000	37.106	0.586
101	1010	37.113	0.593
102	1020	37.114	0.594
103	1030	37.113	0.593
104	1040	37.113	0.593
105	1050	37.116	0.596
106	1060	37.117	0.597
107	1070	37.121	0.601
108	1080	37.119	0.599
109	1090	37.12	0.60
110	1100	37.122	0.602
111	1110	37.124	0.604

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

	Time [s]	Water Level [ft]	Drawdown [ft]
112	1130	37.13	0.61
113	1140	37.126	0.606
114	1150	37.128	0.608
115	1160	37.128	0.608
116	1170	37.13	0.61
117	1180	37.135	0.615
118	1190	37.132	0.612
119	1200	37.13	0.61
120	2880	37.229	0.709
121	4440	37.276	0.756
122	5460	37.292	0.772

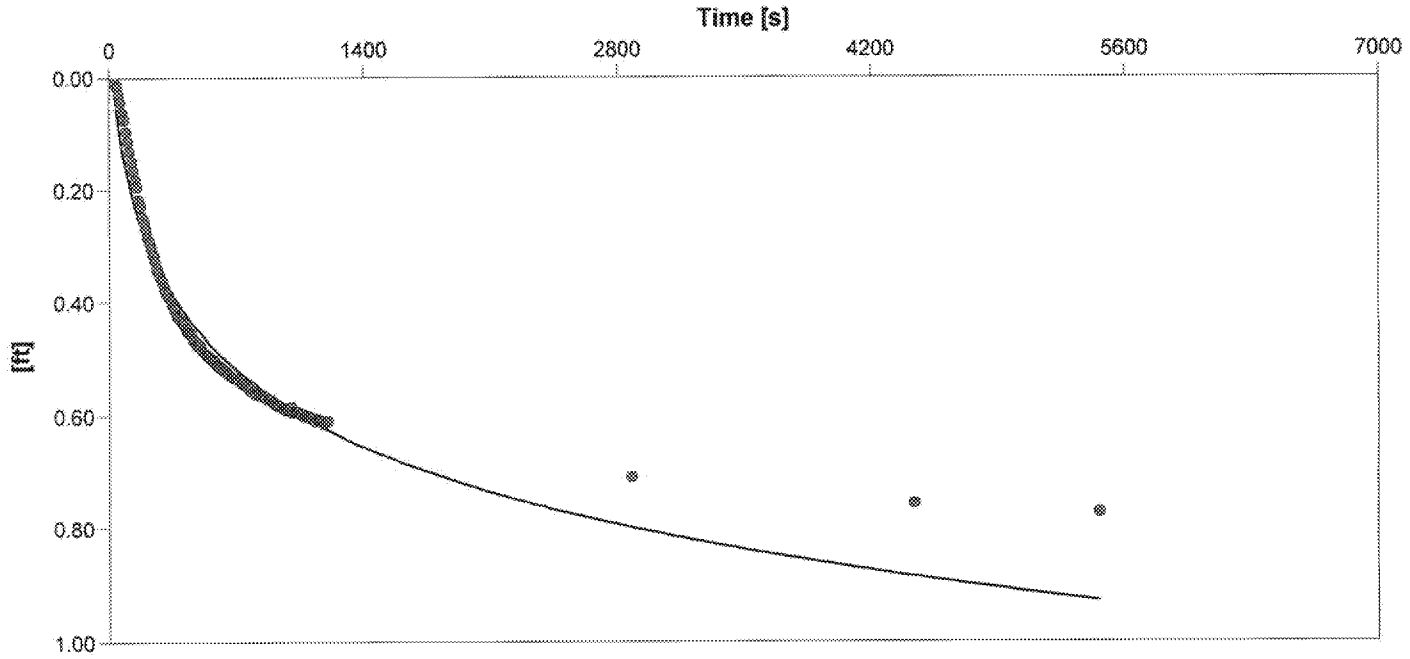
Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test - Discharge Data**	Page 1 of 1
	Project: Additional Site Investigation	
	Number: 449338	
	Client: The Chemours Company FC, LLC	

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 33.354 [U.S. gal
Observation Well: MW-22D		Radial Distance to PW [ft]: -

	Time [s]	Discharge [U.S. gal/min]
1	210	32.00
2	600	32.40
3	2880	33.50
4	4440	33.40
5	5460	33.60

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder		Test Date: 12/21/2017
Analysis Performed by: R. Liddle	Theis with Jacob Correction	Analysis Date: 1/16/2018
Aquifer Thickness: 35.60 ft	Discharge: variable, average rate 33.354 [U.S. gal/min]	

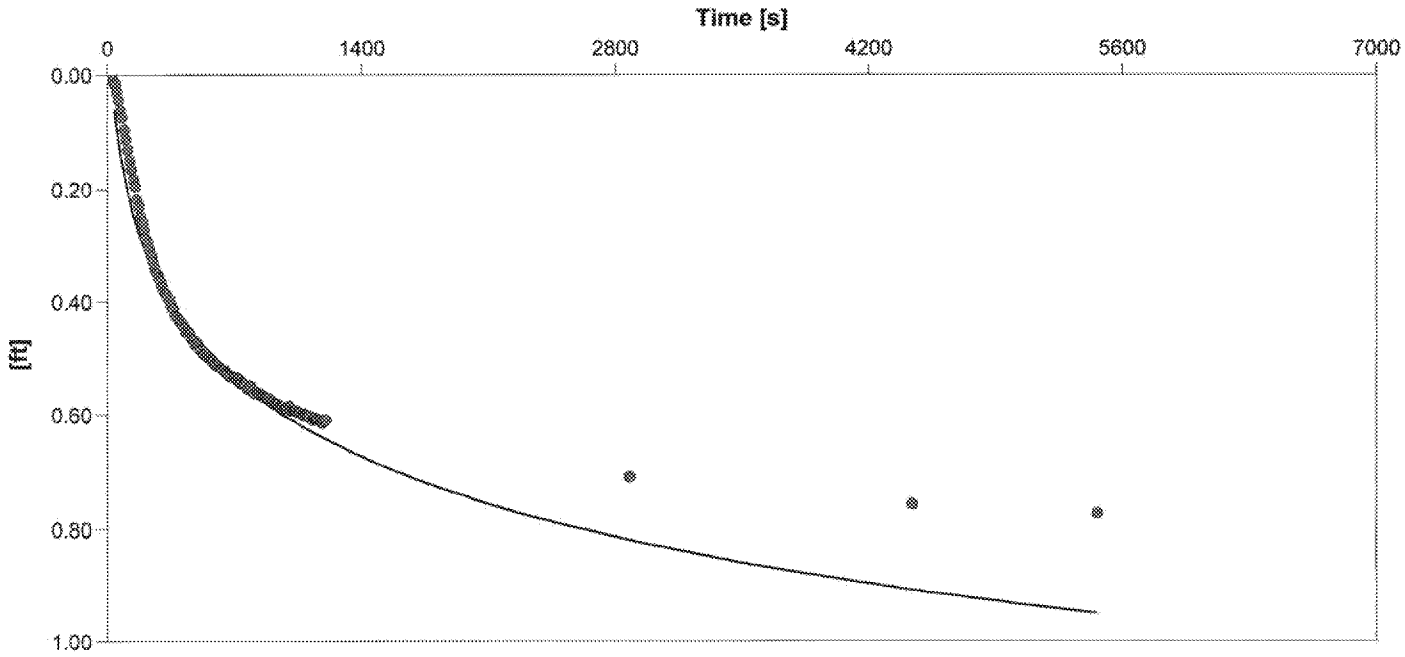


Calculation using Theis with Jacob Correction

Observation Well	Transmissivity [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Radial Distance to PW [ft]	
MW-16D	2.57×10^{3}	7.23×10^{1}	1.61×10^{-3}	47.5	

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder		Test Date: 12/21/2017
Analysis Performed by: R. Liddle	Theis with Jacob Correction	Analysis Date: 1/16/2018
Aquifer Thickness: 35.60 ft	Discharge: variable, average rate 33.354 [U.S. gal/min]	



Calculation using Theis with Jacob Correction

Observation Well	Transmissivity [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Radial Distance to PW [ft]	
MW-16D	2.55×10^{3}	7.16×10^{1}	1.50×10^{-3}	47.5	

MW-22D RECOVERY TEST ANALYSIS REPORT

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 36.687 [U.S. gal
Observation Well: MW-22D	Static Water Level [ft]: 36.40	Radial Distance to PW [ft]: -

	Time [s]	Water Level [ft]	Drawdown [ft]
1	60	47.20	10.80
2	90	48.70	12.30
3	120	49.30	12.90
4	150	49.70	13.30
5	180	49.80	13.40
6	210	49.90	13.50
7	240	50.00	13.60
8	270	50.00	13.60
9	300	50.00	13.60
10	600	50.10	13.70
11	1200	50.25	13.85
12	2880	50.45	14.05
13	4440	50.46	14.06
14	5460	50.50	14.10
15	6960	50.50	14.10
16	7200	53.95	17.55
17	12060	53.95	17.55
18	12072	49.00	12.60
19	12087	45.00	8.60
20	12096	43.00	6.60
21	12103	42.00	5.60
22	12109	41.00	4.60
23	12118	40.00	3.60
24	12130	39.00	2.60
25	12150	38.00	1.60
26	12167	37.50	1.10
27	12200	37.00	0.60
28	12259	36.75	0.35
29	12552	36.60	0.20
30	12870	36.55	0.15

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test - Water Level Data**	Page 1 of 3
	Project: Additional Site Investigation	
	Number: 449338	
	Client: The Chemours Company FC, LLC	

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 36.687 [U.S. gal
Observation Well: MW-16D	Static Water Level [ft]: 36.52	Radial Distance to PW [ft]: 47.5

	Time [s]	Water Level [ft]	Drawdown [ft]
1	10	36.523	0.003
2	20	36.525	0.005
3	30	36.529	0.009
4	40	36.536	0.016
5	50	36.551	0.031
6	60	36.564	0.044
7	70	36.583	0.063
8	80	36.595	0.075
9	90	36.616	0.096
10	100	36.633	0.113
11	110	36.651	0.131
12	120	36.669	0.149
13	130	36.685	0.165
14	140	36.703	0.183
15	150	36.715	0.195
16	160	36.737	0.217
17	170	36.749	0.229
18	180	36.768	0.248
19	190	36.779	0.259
20	200	36.791	0.271
21	210	36.806	0.286
22	220	36.813	0.293
23	230	36.825	0.305
24	240	36.838	0.318
25	250	36.848	0.328
26	260	36.86	0.34
27	270	36.868	0.348
28	280	36.876	0.356
29	290	36.883	0.363
30	300	36.893	0.373
31	310	36.901	0.381
32	320	36.906	0.386
33	330	36.912	0.392
34	340	36.917	0.397
35	350	36.927	0.407
36	360	36.932	0.412
37	370	36.944	0.424
38	380	36.947	0.427
39	390	36.952	0.432
40	400	36.956	0.436
41	410	36.96	0.44
42	420	36.967	0.447
43	430	36.973	0.453
44	440	36.974	0.454
45	450	36.978	0.458
46	460	36.986	0.466
47	470	36.988	0.468
48	480	36.996	0.476
49	490	36.995	0.475
50	500	36.999	0.479
51	510	37.005	0.485
52	520	37.008	0.488
53	530	37.014	0.494

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

	Time [s]	Water Level [ft]	Drawdown [ft]
54	540	37.013	0.493
55	550	37.018	0.498
56	560	37.02	0.50
57	570	37.023	0.503
58	580	37.025	0.505
59	590	37.031	0.511
60	600	37.032	0.512
61	610	37.035	0.515
62	620	37.037	0.517
63	630	37.04	0.52
64	640	37.042	0.522
65	650	37.045	0.525
66	660	37.048	0.528
67	670	37.052	0.532
68	680	37.053	0.533
69	690	37.055	0.535
70	700	37.054	0.534
71	710	37.058	0.538
72	720	37.057	0.537
73	730	37.064	0.544
74	740	37.064	0.544
75	750	37.066	0.546
76	760	37.068	0.548
77	770	37.073	0.553
78	780	37.076	0.556
79	790	37.07	0.55
80	800	37.077	0.557
81	810	37.083	0.563
82	820	37.08	0.56
83	830	37.083	0.563
84	840	37.085	0.565
85	850	37.085	0.565
86	860	37.088	0.568
87	870	37.09	0.57
88	880	37.091	0.571
89	890	37.092	0.572
90	900	37.096	0.576
91	910	37.099	0.579
92	920	37.102	0.582
93	930	37.102	0.582
94	940	37.103	0.583
95	950	37.107	0.587
96	960	37.107	0.587
97	970	37.109	0.589
98	980	37.108	0.588
99	990	37.109	0.589
100	1000	37.106	0.586
101	1010	37.113	0.593
102	1020	37.114	0.594
103	1030	37.113	0.593
104	1040	37.113	0.593
105	1050	37.116	0.596
106	1060	37.117	0.597
107	1070	37.121	0.601
108	1080	37.119	0.599
109	1090	37.12	0.60
110	1100	37.122	0.602
111	1110	37.124	0.604

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Pumping Test - Water Level Data

Project: Additional Site Investigation

Number: 449338

Client: The Chemours Company FC, LLC

	Time [s]	Water Level [ft]	Drawdown [ft]
112	1130	37.13	0.61
113	1140	37.126	0.606
114	1150	37.128	0.608
115	1160	37.128	0.608
116	1170	37.13	0.61
117	1180	37.135	0.615
118	1190	37.132	0.612
119	1200	37.13	0.61
120	2880	37.229	0.709
121	4440	37.276	0.756
122	5460	37.292	0.772

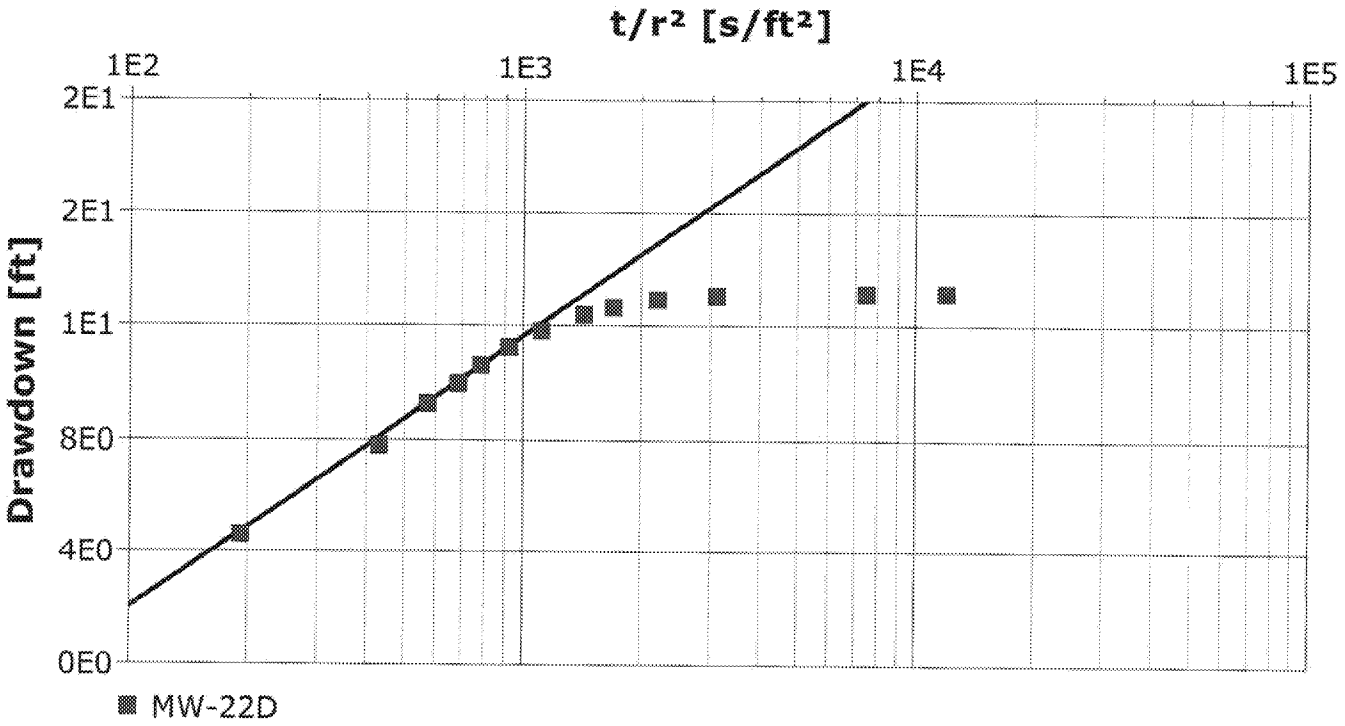
Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test - Discharge Data**	Page 1 of 1
	Project: Additional Site Investigation	
	Number: 449338	
	Client: The Chemours Company FC, LLC	

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder	Test Date: 12/21/2017	Discharge: variable, average rate 36.687 [U.S. gal
Observation Well: MW-22D		Radial Distance to PW [ft]: -

	Time [s]	Discharge [U.S. gal/min]
1	6960	33.60
2	12060	40.90
3	12600	0.00

Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder		Test Date: 12/21/2017
Analysis Performed by: R. Liddle	Cooper & Jacob III	Analysis Date: 1/16/2018
Aquifer Thickness: 35.60 ft	Discharge: variable, average rate 36.687 [U.S. gal/min]	



Parsons 4701 Hedgemore Drive PARSONS Charlotte, North Carolina	**Pumping Test Analysis Report**
	Project: Additional Site Investigation
	Number: 449338
	Client: The Chemours Company FC, LLC

Location: Chemours Fayetteville Works	Pumping Test: Surficial Aquifer MW-22D	Pumping Well: MW-22D
Test Conducted by: M. Harder		Test Date: 12/21/2017
Aquifer Thickness: 35.60 ft	Discharge: variable, average rate 36.687 [U.S. gal/min]	

	Analysis Name	Analysis Performed by	Analysis Date	Method name	Well	T [ft²/d]	K [ft/d]	S
1	Cooper & Jacob III	R. Liddle	1/16/2018	Cooper & Jacob III	MW-22D	1.34×10^{2}	3.77×10^{0}	2.17×10^{-1}

APPENDIX D
ON-SITE LABORATORY PROCEDURES AND ANALYTICAL REPORTS

APPENDIX E
INVESTIGATION DERIVED WASTE

Waste Management Field Documentation Form

The Chemours Site Representative (CSR) is to submit this form to the Waste Management Consultant via electronic mail at the completion of the project. The designated Waste Management Consultant(s) for this project are:

WM Name:	~~Ann Logue~~ Christel Compton	Email:	~~Ann.Logue@parsons.com~~ Christel.E.Compton@chemours.com	Phone:	~~215.983.5991~~ 910.678.1213

General Information

Field Event Date(s):	Drilling (11/14/17 to 12/04/17) Well Development (12/04/17 to 12/11/17); Well Sampling (11/08/17 to 12/11/17); Pump Test (12/11/17 to 12/12/17)		
Project No.	449338	Project Manager:	T. Ovbey
Site Name:	Chemours Fayetteville	Project Name:	Additional Site Investigation
Site Address:	22828 NC Highway 87 West, Fayetteville, NC 28306		
CSR:	Marc Harder / Ken Stuart	Phone:	704.858.4116/ 704.600.5746
Site Environmental Coordinator/Contact:	Christel Compton	Phone:	910.678.1213

Waste Information

1. Does this project need help from your Parsons WM Consultant to dispose of waste from this project?

   _____ YES (Complete the attached waste inventory sheet)

   X NO (Answer questions 2 and 3 below)

2. Who will be responsible for disposal of the waste?

   Site; Christel Compton and Crystal Simmons

3. How was the waste disposed?

   Soil from Drilling (Pending); Groundwater (shipped off-site for incineration); Soil from soil sampling (no excess soil was generated that required disposal)

Waste Inventory Sheet

Container Number	Matrix (e.g., Soil, GW)	Container Type (e.g., roll-off, drum)	Percent Full	Label (e.g., Hazardous, Pending)	Accumulation Start Date	Waste Characterization Sample Name (If applicable)
FAY-IDW-001, 002, 003, 004, 005	Soil and plastic	55-gal drum	90	Non-Haz	11/14/17	NA (IDW from BCA-03)
FAY-IDW-006, 007, 008, 009, 010	Soil and GW	55-gal drum	100	Non-Haz	11/14/17	NA (IDW from BCA-03)
FAY-IDW-011, 012, 013, 014, 015	Soil and GW	55-gal drum	100	Non-Haz	11/15/17	NA (IDW from BCA-03)
FAY-IDW-016, 017, 018	Soil	55-gal drum	90	Non-Haz	11/16/17	NA (IDW from BCA-02)
FAY-IDW-019, 020, 021, 022, 023	Soil and GW	55-gal drum	90	Non-Haz	11/16/17	NA (IDW from BCA-02)
FAY-IDW-024, 025	Soil	55-gal drum	90	Non-Haz	11/17/17	NA (IDW from MW-18D)
FAY-IDW-026	Soil and GW	55-gal drum	90	Non-Haz	11/17/17	NA (IDW from MW-18D)
FAY-IDW-027	Soil	55-gal drum	90	Non-Haz	11/18/17	NA (IDW from MW-19D)
FAY-IDW-028	Soil	55-gal drum	100	Non-Haz	11/18/17	NA (IDW from MW-20D)
FAY-IDW-029	Soil and GW	55-gal drum	100	Non-Haz	11/18/17	NA (IDW from MW-20D)
FAY-IDW-030, 031, 032	Soil	55-gal drum	90	Non-Haz	11/18/17	NA (IDW from BCA-01)

Container Number	Matrix (e.g., Soil, GW)	Container Type (e.g., roll-off, drum)	Percent Full	Label (e.g., Hazardous, Pending)	Accumulation Start Date	Waste Characterization Sample Name (If applicable)
FAY-IDW-033, 034, 035, 036	Soil and GW	55-gal drum	90	Non-Haz	11/20/17	NA (IDW from BCA-01)
FAY-IDW-037, 038	Soil and GW	55-gal drum	90	Non-Haz	11/21/17	NA (IDW from BCA-01)
FAY-IDW-039, 040	Soil	55-gal drum	90	Non-Haz	11/21/17	NA (IDW from MW-21D)
FAY-IDW-041, 042	Soil and GW	55-gal drum	90	Non-Haz	11/21/17	NA (IDW from MW-21D)
FAY-IDW-043, 044, 045	Soil	55-gal drum	90	Non-Haz	11/27/17	NA (IDW from BCA-04)
FAY-IDW-046, 047, 048, 049, 050	Soil and GW	55-gal drum	90	Non-Haz	11/28/17	NA (IDW from BCA-04)
FAY-IDW-051, 052	Soil	55-gal drum	90	Non-Haz	12/1/17	NA (IDW from MW-22D)
FAY-IDW-053, 054	Soil and GW	55-gal drum	90	Non-Haz	12/1/17	NA (IDW from MW-22D)
FAY-IDW-055	Soil	55-gal drum	90	Non-Haz	12/4/17	NA (IDW from MW-22D)
FAY-IDW-056	Soil and GW	55-gal drum	90	Non-Haz	12/4/17	NA (IDW from MW-22D)

Container Number	Matrix (e.g., Soil, GW)	Container Type (e.g., roll-off, drum)	Percent Full	Label (e.g., Hazardous, Pending)	Accumulation Start Date	Waste Characterization Sample Name (If applicable)
NA (water was transferred daily to Frac Tank and then to Tanker Truck for off-site disposal at incinerator)	GW	Total of 20 55-gal drums	100	Non-Haz	12/4/17 through 12/11/17	NA (Development water from new wells; MW-15DR, - 18D, -19D, -20D, -21D, -22D
NA (water was disposed of daily into Process Sewer)	GW	7-gallon Aquatainers	Total of 195 gallons	Non-Haz	11/8/17 through 12/11/17	NA (Purge water from 65 sampled monitoring wells)
NA	GW	Frac Tank	86%	Non-Haz	12/11/17 through 12/12/17	NA (Aquifer Pump Test water)

APPENDIX F
ADDITIONAL INVESTIGATION WORK PLAN

PARSONS

ADDITIONAL INVESTIGATION WORK PLAN

CHEMOURS FAYETTEVILLE WORKS SITE
RCRA PERMIT NO. NCD047368642-R1

Prepared for:

The Chemours Company FC, LLC
Corporate Remediation Group
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October 31, 2017

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ACRONYMS

Acronym	Definition / Description
AOC	Area of concern
APFO	Ammonium Perfluorooctanoate
AWQC	Ambient water quality criteria
bgs	Below ground surface
CMS	Corrective Measures Study
COC	Constituent of concern
CS	Confirmatory sampling
DMP	Data management plan
DuPont	E. I. du Pont de Nemours and Company
FEP	Fluorinated ethylene propylene
GPM	Gallons per minute
HASP	Health and safety plan
HH&E	Human health and the environment
HSWA	Hazardous and Solid Waste Amendments
IMAC	Interim maximum allowable concentrations
MCL	Maximum contaminant levels
MDL	Method detection limit
MG/L	Milligram per liter
MS/MSD	Matrix spike/matrix spike duplicate
msl	Mean sea level
MW	Monitoring well
NC2LS	North Carolina 2L Standards
NCAG	North Carolina Attorney General
NCDENR	North Carolina Department of Environmental and Natural Resources
Ng/m3	Nanogram per meter cubed
OSHA	Occupational Safety and Health Administration
PD	Project Director
PMP	Project management plan
ppb	Parts per billion
PPE	Personal protective equipment
ppm	Parts per million
PQL	Practical quantitation limit
PVA	Polyvinyl alcohol
PVC	Polyvinyl chloride
QAPP	Quality assurance project plan
QA/QC	Quality assurance/quality control
RCRA	Resource Conservation and Recovery Act

Acronym	Definition / Description
RFI	RCRA Facility Investigation
RPD	Relative percent difference
RSL	Regional screening level
SCM	Site conceptual model
Site	Fayetteville Works Facility
SOP	Standard operating procedure
SSO	Site Safety Officer
SWMU	Solid waste management unit
TOC	Total organic carbon
µg/kg	Microgram per kilogram
USEPA	U. S. Environmental Protection Agency
USGS	U. S. Geological Survey
WMP	Waste management plan
WWTP	Wastewater treatment plant

1.0 INTRODUCTION

Parsons has prepared this Additional Investigation Work Plan on the behalf of The Chemours Company FC, LLC (Chemours) for the Fayetteville Works facility located near Duart Township in Bladen County, North Carolina (the Site).

On September 6, 2017, the North Carolina Department of Environmental Quality (NCDEQ) issued Chemours a notice of violation (Notice) in response to groundwater results obtained under Chemours' July 17, 2017, Supplemental Groundwater Sampling Work Plan conducted in response to NCDEQ's June 21, 2017, request for supplemental sampling of monitoring wells. The Notice required Chemours to meet the requirements of 15A NCAC 02L.0106. In subsequent discussions with NCDEQ, Chemours agreed to submit this work plan for site assessment under 15A NCAC 02L.0106(g) by October 31, 2017. This work plan also supplements the Resource Conservation and Recovery Act Facility Investigation (RFI) that previously was conducted at the Site.

This work plan is organized into seven sections, including this Introduction, which presents site background information and corrective action approach. Section 2.0 presents the current Site Conceptual Model (SCM), including information about the physical setting of the Site. Section 3.0 discusses the proposed investigation approach and presents the field methodologies that may be used for the additional investigation activities. Section 4.0 presents the Data Management Plan that identifies how sampling data and documentation is recorded and organized. Section 5.0 presents the Project Management Plan, which discusses the responsibilities of the project personnel, the project support plans, and project reporting, and presents a project schedule. Section 6.0 lists the references cited in this Work Plan.

1.1 Site Background

The Fayetteville Works facility is located near Duart Township in Bladen County, North Carolina. The Site is located 15 miles southeast of the City of Fayetteville on NC Highway 87, south of the Bladen-Cumberland county line. The Site contains 2,177 acres of relatively flat undeveloped open land and woodland bounded on the east by the Cape Fear River, on the west by NC Highway 87, and on the north and south by farmland (Figure 1).

DuPont purchased the site property in parcels from several families in 1970. The Site's first manufacturing area was constructed in the early 1970s. Currently, the Site manufactures plastic sheeting, fluorochemicals, and intermediates for plastics manufacturing. A former manufacturing area, which was sold in 1992, produced nylon strapping and elastomeric tape.

DuPont sold their Butacite® and SentryGlas® manufacturing units to Kuraray America Inc. in June 2014. In July 2015, DuPont separated its Specialty Chemicals business into a new publicly-traded company named The Chemours Company FC, LLC. With this separation, Chemours became the owner of the entire 2,177 acres of the Fayetteville Works along with the Fluoromonomers, Nafion® membranes, and PPA manufacturing units. The polyvinyl fluoride (PVF) resin manufacturing unit remained with DuPont.

In addition to the manufacturing operations, Chemours operates two natural gas-fired boilers and a wastewater treatment plant (WWTP) for the treatment of process and sanitary wastewaters from Chemours, Kuraray, and DuPont. Hazardous wastes generated from the Chemours' manufacturing processes and laboratories are currently managed at the permitted Hazardous Waste Container Storage Area, in four permitted

hazardous waste tanks, and at the 90-day ignitable waste accumulation area prior to being shipped offsite for treatment, disposal, or recycling.

1.1.1 Plant Site Operations

Figure 1 depicts the location of the Chemours Fayetteville Works facility on an excerpt of the United States Geological Survey topographic map of the area. The site layout is depicted on Figure 2. The Site consists of five main manufacturing areas, one former manufacturing area, and two support areas as summarized in the table below:

Area	Description
Main Manufacturing Areas	
Chemours Fluoromonomers and Nafion® Membrane	Manufactures Nafion® fluoropolymer membrane for electronic cells and various fluorochemicals used for Nafion® membrane, Teflon® fluoropolymer, Viton® elastomers, and other fluorinated products.
Chemours Polymer Processing Aid (PPA)	Manufactures a fluorochemical that is used as a processing aid for off-site fluoropolymer manufacturing. This area formerly manufactured ammonium perfluorooctanoate (APFO). (Note: The last date of APFO production at the Site was April 28, 2013. Although APFO was manufactured in this area, it was never used in any of the other manufacturing facilities at the Site.)
Kuraray Butacite®	Manufactures Butacite® polyvinyl butyral sheeting and polyvinyl butyral resin for automotive and architectural safety glass.
Kuraray SentryGlas®	Manufactures SentryGlas® structural interlayer for automotive and architectural safety glass (previous location of now defunct Dymetrol® nylon strapping).
DuPont Company PVF	Manufactures polyvinyl fluoride (PVF) resin used to produce Tedlar® film.
Former Manufacturing Area	
Polymer Manufacturing Development Facility (PMDF)	Manufactured Teflon® fluorinated ethylene propylene (FEP) for electrical wiring insulation and other applications. (Note: this Teflon® unit did not use APFO in its process.) Since the PMDF unit was permanently shut down in June 2009, it no longer manufactures DuPont Teflon®.
Support Areas	
Power	Generates steam via natural gas and fuel oil-fired boilers for the facility's manufacturing areas as well as comfort heating for employees. Produces process water and demineralized water from raw river water.
Wastewater Treatment Plant	The WWTP treats process wastewater and sanitary wastewater prior to discharge to the Cape Fear River.

1.1.2 Regulatory History

The Fayetteville Works facility received its initial RCRA Permit (NCD047368642) to operate a hazardous waste container storage area and tanks in February 1983, under

DuPont ownership. DuPont submitted an amended Part A application in 1991 to document upgrades to its fluorocarbon waste treatment and tank system. The RCRA Part B permit application submitted in August 1993 identified a total of 71,750 gallons of container storage capacity at the container storage area. Stored waste included characteristic wastes (D001, D002, D003, D007, D009, and D029) and listed wastes (F002, F003, and F005).

In January 1998, the Site's RCRA Part B Permit was reissued and was to remain in effect for 10 years. Part V of the permit required DuPont to investigate potential releases of hazardous substances into the environment. This investigation (the RFI) was conducted as part of the Hazardous and Solid Waste Amendments (HSWA) Corrective Action Program. In June 2007, DuPont submitted an application for renewal of the Site's RCRA Part B Permit. NCDENR (now NCDEQ) reissued the permit on September 28, 2012.

Since 1996, several stages of investigation have been conducted at the Site under NCDEQ oversight to meet the conditions of the permit, and the Phase III (Final) RFI report was submitted in August 2014 (DuPont CRG, August 2014). In addition, the Site voluntarily agreed to the NCDENR request to investigate potential APFO releases as part the ongoing RFI. The findings of the APFO investigation activities (conducted during the Phase II RFI) were included in Appendix A of the Phase II RFI Report (DuPont CRG, June 2006). The Corrective Measures Study (CMS) Work Plan was submitted on December 2, 2016 (Chemours CRG, December 2016) and approved on February 8, 2017. The Site is currently in the CMS phase of the Corrective Action Program.

1.2 Corrective Action

Corrective action refers to all activities related to the investigation, characterization, and cleanup of a release of hazardous wastes or hazardous waste constituents from solid waste management units (SWMUs) and/or areas of concern (AOCs) at the Site. Chemours has established several overall goals for the corrective action activities at the Site.

- Ensure the protection of human health and the environment (HH&E) through the development and use of an SCM based on a thorough understanding of site constituents, release pathways, and exposure potential;
- Cost-effectively manage/minimize long-term liabilities associated with potential contaminant releases using a risk-based prioritization process;
- Appropriately comply with all regulatory requirements; and
- Coordinate RCRA corrective action activities with other business activities at the Site to minimize disruption to plant operations, maximize benefits and synergies with other, overlapping environmental initiatives, and ensure field efforts are conducted in a safe and efficient manner.

1.2.1 Investigation Approach, Goals, and Objectives

The purpose of this investigation is to gather additional information to complete a site assessment under 15A NCAC 02L.0106(g) and to make remedial decisions in support of the overall corrective action goals. To accomplish this, site-specific data is collected to determine the nature and extent of releases of hazardous constituents at the Site (e.g., from regulated units, SWMUs, or other source areas) and to support an eventual CMS. The goal of this investigation is to collect additional data on constituent of concern

(COC) distribution in soil and groundwater, as well as hydrogeologic data that can be used to predict fate and transport of COCs in the environment.

Based on a review of historical Site data and the current SCM, the following specific objectives were developed:

1. Determine distribution of COCs (target list of fluorinated compounds) Surficial Aquifer and Perched Water Zone groundwater.
2. Determine distribution of COCs in surficial soil and vertical distribution above the perched water.
3. Further characterize Site hydrogeologic conditions.

The specific tasks that will be completed to meet these objectives are described in the following Sections.

2.0 CURRENT SITE CONCEPTUAL MODEL

Chemours utilizes the site conceptual model (SCM) to develop a representation of the chemical and physical characteristics of a site in order to focus investigation efforts and remedial decision making. The SCM also assists in the identification of data gaps, which can be addressed during future investigations.

The SCM for the Site was developed to determine the potential for COCs to affect human health and the environment and to identify existing data gaps. The SCM was based on an analysis of potential exposure pathways, COCs, environmental fate and transport mechanisms, and risk to human health and the environment. As part of the SCM, an accurate understanding of the geology and hydrogeology at the Site must also be known.

The current SCM presented below was developed based on a review of historical data and the results of the activities and investigations conducted at the site.

2.1 Physical Setting

2.1.1 Regional Physical Setting

Regional Climate

Relatively mild winters, hot summers and abundant rainfall characterize the climate in Bladen County. Temperatures range from an average monthly high of 91°F in July to an average monthly low of 33°F in January. Average rainfall ranges from a monthly high of 5.59 inches in July to a monthly low of 2.97 inches in November.

Regional Topography

The region surrounding the facility is generally level to gently sloping. However, surface topography steepens when approaching the Cape Fear River and its tributaries.

Regional Geology/Hydrogeology

The facility is located in the northwestern portion of Bladen County. Bladen County is situated within the Coastal Plain Physiographic Province which consists of a seaward thickening wedge of sedimentary deposits ranging in age from Cretaceous to Recent. Paleozoic; metamorphic and igneous rocks underlie these deposits. In the northern portion of Bladen County these “basement” rocks are approximately 400 feet below the surface. A detailed description of the Coastal Plain sediments is presented in the Confirmatory Sampling Report (DuPont CRG, May 1999a). Based on the Geologic Map of North Carolina (1985), the Site is underlain by the Black Creek Formation. The Black Creek Formation is characterized by lignitic clay, gray to black, and contains thin beds and laminae of fine-grained micaceous sand as well as thick lenses of cross-bedded sand. The upper portion of the formation may also contain glauconitic, fossiliferous clayey sand lenses. The Black Creek Formation and surficial deposits are the principal potable water aquifers in the region.

2.1.2 Local Physical Setting

Figure 3 shows the locations for two generalized cross-sections through the Site (Figure 4 and Figure 5) that depict the complex physical aspects of the Site (e.g.,

topography, lithology and hydrogeology). The following subsections discuss the local geology and hydrogeology in more detail.

Site Topography and Drainage

The facility topography is relatively flat within the developed portion of the Site; surface topographic then decreases towards the Cape Fear River to the east and Willis Creek to the north of the facility. Topographic relief from the main manufacturing area down to the top of the riverbank is approximately 100 feet and approximately 40 feet from the main manufacturing area to Willis Creek. Surface topography generally remains flat to the west; however, there is a gentle increase of about five feet to a topographic divide near Highway 87. In the far southwestern portion of the property surface topography again decrease by 15 to 25 feet where the Georgia Branch Creek channel runs along the property line. The Georgia Branch Creek confluence with the Cape Fear River is approximately 1.3 miles south of the Dam (0.75 miles southeast of the property).

The Cape Fear River is located along the eastern property boundary of the plant, approximately 1,850 feet from the eastern portion of the manufacturing area. Willis Creek, a tributary of the Cape Fear River is located in the northern portion of the Site approximately 3,000 feet from the manufacturing area. The facilities treated wastewater is piped to the outfall at the Cape Fear River, and is covered by NPDES Permit Number NC003573. Portions of the Georgia Branch, another tributary to the Cape Fear River, flow along the southern boundary of the Site. The plant facilities are located on a plateau at an approximate elevation of 150 feet above mean sea level. The plant is situated approximately 70 feet above the 100- and 500-year Cape Fear River floodplains and at least 1,000 feet from the 100-year floodplain's nearest approach.

Site Geology

The soil on the Site falls within the Norfolk-Goldsboro-Raines general classification (Soil Survey of Bladen County, Leab 1990). These soils are located on old, high stream terraces in the northern part of Bladen County and are generally poorly drained soils that have a sandy or loamy surface layer and loamy subsoil.

Based on the lithology logged during previous investigations, the Site is underlain by a fine- to medium-grained sand unit with thin discontinuous interbedded silt/clay lenses. The sand extends to a depth greater than 70 feet below ground surface (bgs). This sand unit is locally bisected by an aerially extensive stiff clay/clayey silt lens (clay lens). This clay lens appears to be limited in lateral extent to the east, north and south by local topography and appears to pinch out to the west of the manufacturing area.

The depth to the top of the clay lens is approximately 15 to 18 feet bgs. Figure 6 depicts a contour map of the top of the clay lens. The clay lens becomes thinner moving west across the Site. The thickness of the lens ranges from approximately one foot to approximately 19 feet. A visual inspection for the clay lens was conducted along the drainage channel located along the bluff leading to the Cape Fear River. The clay lens was observed in the drainage channel bottom and was approximately 10 to 12 feet thick in the channel banks. The area of the channel where the clay lens was observed also coincided to an area of the channel where seepage faces were observed. Based on the elevation of the clay lens, it should outcrop on the bluff adjacent to the Cape Fear River.

Site Hydrogeology

A shallow surficial water table aquifer is encountered at approximately 50 feet bgs. Groundwater elevations range from approximately 100 to 107 feet above mean sea level (msl) in the western areas of the Site to approximately 93 feet msl in the eastern areas of the Site, suggesting that groundwater flow is generally towards the Cape Fear River (see Figure 7).

Upward vertical gradients of 0.07 and 0.11 were measured in the groundwater adjacent to the Cape Fear River, indicating that the Cape Fear River is a discharge boundary for the water table aquifer. Based on groundwater elevations near Willis Creek, portions of the creek are “gaining” (groundwater discharges to the creek) and portions are “losing” (surface water infiltrates to the underlying groundwater). Georgia Branch Creek also appears to be a gaining stream near where State Road 1303 crosses Highway 87.

A series of incised erosional channels were observed in the Cape Fear River floodplain located to the east of the manufacturing area. These channels can contain a steady flow of water where they intersect the water table aquifer.

An aerially limited perched water zone exists on top of the clay lens that underlies the majority of the Manufacturing Area. This perched zone appears mainly to result from seepage of surface water through the bottom of the North/South Sediment Basins, which are used to settle-out solids from Cape Fear River water. The perched water zone may also be recharged to a lesser extent by infiltrating rainfall. The perched zone flows in a radial pattern away from a potentiometric high in the vicinity of the basins (see Figure 6). Where perched water is present, it is encountered from approximately six feet bgs in the vicinity of the basins to a depth of approximately 20 feet bgs along the edges of the perched zone to the west of the basins.

The lateral extent of the perched water zone appears to be controlled by the surface topography of the clay lens as well as the lateral limits of the clay lens. The perched water will flow away from the potentiometric high along the top of the clay lens until either reaching the perimeter of the lens (where it would flow off the edge), reaching a seepage face (such as the one observed along the bluff adjacent to the river), or until there is insufficient hydraulic head. Flora at the Site (especially the heavily forested areas) consume the perched water through transpiration processes.

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3.0 INVESTIGATION APPROACH

This section presents the strategy for additional Site investigation, including the number and type of samples to be collected and the analytical testing that will be performed.

Three specific objectives have been developed:

1. Conduct groundwater sampling of the Surficial Aquifer and Perched Water Zone to identify potential presence of COCs.
2. Conduct shallow soil sampling (and vertical profiling in soil above the perched water) to identify potential COC presence and leachability to underlying groundwater.
3. Further characterize Site hydrogeologic conditions.

The investigation methodology for each of the objectives is presented below.

3.1 Objective 1: Conduct Site-Wide Groundwater Monitoring

The main focus of this objective is to further delineate target COC concentrations in site-wide groundwater. Both Perched Zone water and Surficial Aquifer groundwater will be monitored (i.e., gauged and sampled). Figure 6 shows the location of existing Perched Zone monitoring wells and piezometers, while Figure 7 shows the location of existing Surficial Aquifer monitoring wells.

All existing wells and piezometers in the Perched Zone and Surficial Aquifer will be gauged to determine the presence of groundwater and allow for calculation of hydraulic head (and creation of a potentiometric surface). Those monitoring wells that contain water will be sampled and analyzed for the 16 fluorinated target compounds listed in Table 1 (by the methods summarized in Table 2) and the additional 10 fluorinated compounds listed in Table 4. NCDEQ has requested that Chemours sample its wastewater for the Table 4 compounds and so Chemours will analyze for the same compounds under this work plan. Because there is no USEPA method for analyzing the Table 4 compounds and Chemours is unaware of any commercial laboratories that could analyze for these compounds, Chemours will analyze in its own laboratory the groundwater samples for the Table 4 compounds. This data will assist in providing an overall view of existing groundwater COC concentration distribution.

Please note that Chemours is proposing here to analyze for the Table 1 and 4 compounds solely for purposes of this groundwater work plan and solely as part of overall discussions with NCDEQ and North Carolina Attorney General (NCAG). The proposal should not be construed as an acknowledgement that all such compounds do or could exist in on-site groundwater or soil, does not reflect Chemours's view as to the appropriate list of compounds for other issues being discussed, and is contingent upon an overall resolution of those other issues. Moreover, Chemours reserves any and all rights or defenses as to the accuracy, reliability, precision, or routineness of any of the methods used to identify or quantify the Table 1 and 4 compounds. The reservations in this paragraph apply with respect to all references herein to Table 1 and 4 compounds

3.2 Objective 2: Soil Sampling

The main focus of this objective is to further delineate target COCs in surficial soil and determine their leachability to underlying groundwater. This objective will be accomplished by collecting soil samples at 30 locations over the interval zero to 0.5 feet

bgs and running the synthetic precipitation leaching procedure (SPLP) preparation method on the samples prior to analysis for the target COCs (as well as a subset for "total" COC concentrations). In addition, at three locations samples will be collected at 5-foot depth intervals from ground surface to the top of the perched water, with the samples analyzed for "leachable" and "total" Table 1 target COCs. Soil samples will also be analyzed for "leachable" Table 4 target COCs at the Site's laboratory from leachate extracted from a commercial laboratory and returned to Chemours (Chemours is unaware of a method for conducting "total" soil analysis for the Table 4 compounds). As with the groundwater sampling for Table 4 compounds, there is no USEPA method for analyzing the Table 4 compounds in soil and Chemours is unaware of any commercial laboratories that could analyze for these compounds in soil.

The proposed sampling locations (shown on Figure 8) are unbiased (e.g., with regard to manufacturing unit, prevailing northeast wind direction, ground cover foliage) and cover an area that includes the Main Manufacturing Area and the surrounding forested property. The locations shown are approximate. The project team will select actual sampling locations based on field conditions/observations at the time of the sampling event. The three locations sampled for vertical profiling will depend on where perched water is present (and the thickness of the perched water).

3.3 Objective 3: Further Characterize Site Hydrogeologic Conditions

The main focus of this objective is to refine the SCM by collecting additional hydrogeologic data (e.g., lithology, and hydrogeologic unit delineation). To meet this objective the lithology beneath the Site will be further refined through advancement of soil borings, hydraulic conductivities of the saturated units will be determined through in-situ testing, and groundwater interaction with surface water will be determined through installation of piezometers near Willis Creek and Georgia Branch Creek.

3.3.1 Hydrogeologic Unit Delineation

Most hydrogeologic investigations to date have focused on the Perched Zone groundwater and the associated clay lens, and the upper-most portion of the Surficial Aquifer. Regional hydrogeology in the vicinity of the Site consists of the following:

- +150' msl to +100' msl – unsaturated silty-sand/medium-grained sand (with clay stringers; Note: the clay lens and Perched Zone water beneath the Manufacturing Area is located in this interval)
- +100' msl to +84' msl – Surficial Aquifer (silty-sand/medium-grained sand with clay stringers)
- +84' msl to +65' msl – Black Creek Confining Unit (clay)
- +65' msl to -53' msl – Black Creek Aquifer (sand)
- -53' msl to -173' msl – Upper Cape Fear Confining Unit (clay)
- -173' msl to -237' msl – Upper Cape Fear Aquifer (sand)
- -237' msl – Basement Rock

Lithology beneath the Site will be further refined by advancing up to four borings into the Black Creek Aquifer (and no more than 20 feet into the underlying Upper Cape Fear Confining Unit) and four borings into the Surficial Aquifer. Figure 9 shows the proposed boring locations. Lithology from the four Black Creek Aquifer locations, along with known

lithology from the "DuPont Corp." well and "DWR DuPont Station" series of wells (from https://www.ncwater.org), will allow for the determination of the lateral continuity of the Black Creek Confining Unit as well as the Upper Cape Fear Confining Unit.

All four proposed borings in the Black Creek Aquifer will be converted into permanent Black Creek Aquifer monitoring wells (with the overlying Surficial Aquifer isolated during drilling to prevent potential cross-contamination). The potentiometric surface of the Black Creek Aquifer can then be determined, as well as the potential for the aquifer groundwater to interact with the adjacent Cape Fear River. Wells BCA-01 and BCA-02 will be completed and screened coincident with the elevation of the Cape Fear River. Borings for wells BCA-03 and BCA-04 will be advanced into the Upper Cape Fear Confining Unit (to determine the thickness of the Black Creek Aquifer) but will be completed and screened within the upper 20 to 30 feet of the Black Creek Aquifer saturated sands. Groundwater from the Black Creek Aquifer wells will also be sampled for the Table 1 and Table 4 target list of COCs.

Groundwater from the four new wells completed in the Surficial Aquifer will be sampled for the target list of COCs, which will allow for refined delineation of Table 1 and Table 4 target list of COCs in the Surficial Aquifer between the northwestern portion of the Manufacturing Area and Willis Creek.

3.3.2 Hydraulic Conductivity Determination

Hydraulic conductivities for the Perched Water Zone saturated unit and the Surficial Aquifer saturated unit will be determined so that more accurate transport determinations of groundwater COCs can be made. Due to the limited saturated thickness of the Perched Water Zone, slug tests will be performed to determine hydraulic conductivities. Slug tests will preferentially be performed on wells where the perched water thickness is greater than the well screen length.

Hydraulic conductivity of the Surficial Aquifer will be determined through an aquifer pump test performed at the location of Surficial Aquifer well MW-16D. MW-16D was completed as a 2-inch diameter well with 0.01-inch slotted screen, which would likely lead to excessive well loss during a pump test (i.e., drawdown due to inhibited flow through the well screen). Therefore, a new 4-inch diameter well with either larger slot screen or continuous slot screen will be installed nearby, and will be used for the pump test. Well MW-16D will be used as an observation well. Prior to the pump test, a step-drawdown test will be performed to determine the optimum pumping rate for the aquifer pump test. Results of the step-drawdown test will determine whether the aquifer pump test will be a constant discharge rate test or a constant head (drawdown) test. Because the aquifer is unconfined, the aquifer test may last up to 72 hours.

3.3.3 Groundwater Interaction with Surface Water

Potential groundwater interaction with surface water will be determined through installation of piezometers near Willis Creek and Georgia Branch Creek. Two piezometers are proposed to be installed on the north side of Willis Creek to aid in determining the gradient of the groundwater potentiometric surface and whether Surficial Aquifer groundwater discharges to the creek from both the north and south sides (i.e., whether Willis Creek is a hydraulic boundary/divide). Locations on the north side of Willis Creek directly across from wells SMW-10 and SMW-11 (located on the south side of the creek) will be preferred; however, access will have to be cut through the woods to

access the new piezometer locations, and safety considerations may require adjusting the final locations.

One piezometer is proposed to be installed on the southwest side of Georgia Branch Creek to aid in determining the gradient of the groundwater potentiometric surface and whether Surficial Aquifer groundwater discharges to the creek from both the northeast and southwest sides (i.e., whether Georgia Branch Creek is a hydraulic boundary/divide). A location on the southwest side of Georgia Branch Creek directly across from well SMW-01 (located on the northeast side of the creek) will be preferred; however, access will have to be cut through the woods to access the new piezometer location, and safety considerations may require adjusting the final location.

4.0 FIELD INVESTIGATION PROGRAM

This section presents the methods and procedures that will be used during the additional investigation.

4.1 Field Investigation Methodologies

Prior to any intrusive activity, Chemours will perform a geophysical survey to locate and identify buried utilities so that they can be avoided. This initial safety survey typically uses ground-penetrating radar or electromagnetic induction survey techniques.

4.1.1 Monitoring Well Installation

All monitoring wells will be installed in accordance with North Carolina 15A NCAC 02C Well Construction Standards. Air monitoring will be performed, as needed, as specified in the site-specific HASP.

Borings drilled through the shallow clay lens to complete wells below it will have an outer isolation casing keyed into the clay lens to prevent any perched water above the clay lens from entering the borehole as the boring is advanced below the clay lens. The isolation casing will consist of the outermost drive casing when utilizing Sonic drilling methods (i.e., the drive casing will be used as a temporary isolation casing that is grouted through during well completion). The boring will then be advanced through the isolation casing to final depth. Likewise, borings advanced through the Black Creek Confining Unit into the underlying Black Creek Aquifer will use temporary casing to isolate the Surficial Aquifer, thereby preventing flow between the two units.

At the completion depth, a well consisting of 2-inch diameter polyvinyl chloride (PVC) screen connected to flush joint PVC casing will be installed. The well screen will be factory slotted with 0.010-inch openings.

A filter pack will be placed around the screened portion of the well and a minimum of two feet of bentonite will be placed above the filter pack. If the bentonite seal is placed above the saturated zone, approximately 5 – 10 gallons of potable water will be added to hydrate the bentonite. The well will then be grouted from the bentonite seal to three feet from ground surface (tremie grouted if the annular space is below the saturated zone). To provide stability for the well casing, the uppermost three feet of grout below ground surface will be a concrete or cement-type grout.

Monitoring wells will generally be completed above-grade with locking protective covers, concrete pads, and bollards. The bollards will be painted yellow to increase visibility. However, in locations where site-specific conditions directly related to business activities, such as vehicle traffic, would endanger the physical integrity of the well, a flush-mounted completion (completed in such a manner so as to preclude surficial contaminants from entering the well) may be installed.

Grout will be allowed to cure for 24 hours in monitoring wells grouted prior to development. Any preliminary development necessary during monitoring well installation will take place prior to grouting. Newly-installed monitoring wells will be developed after construction using bailing, pumping and/or mechanical surge block techniques.

After development, newly-installed monitoring wells will be accurately surveyed for elevation control. Horizontal location will be determined to an accuracy of 0.1 feet, while vertical elevation will be to an accuracy of 0.01 feet. To reduce the effects of any chemical changes caused by formation damage that occurs during any drilling operation,

monitoring wells will not be sampled until at least 24 hours after installation and development.

Piezometers will be installed following the same State standards; however, they will be installed with 1.25-inch PVC casing and screen.

4.1.2 Hydrogeologic Testing

Two types of testing will be performed on saturated zones; slug test and pump test. Slug tests are typically performed if the sustainable well yield is less than 2 gallons per minute (gpm). Slug tests are used to estimate the hydraulic conductivity of the saturated zone material in the immediate vicinity of the tested well (i.e., the radius of influence is very small). A slug test is conducted by inducing a rapid change in water level in the test well, then measuring and recording the rate of return to static conditions. The test can be conducted by either initially raising the water slug or lowering the water level.

A pump test (i.e., aquifer pump test) is a longer-term test that can characterize saturated zone parameters over a larger area (i.e., radius of influence). A pump test determines the aquifer transmissivity and storativity in a confined aquifer, or the hydraulic conductivity in an unconfined aquifer. Two types of pump tests can be performed; a constant-rate test, or a constant-head test. The constant-rate test is performed by pumping the test well at a constant rate (gpm) for a period of time and measuring the rate of water level change in both the pumped well and a nearby observation well (if available). The constant-head test is performed by varying the pumping rate of the test well to maintain a constant head (i.e., a constant drawdown). The constant-head test is typically performed on a well where the hydraulic conductivity is too low to maintain a constant pumping rate. A pump test on a confined aquifer is typical 24 hours in duration, while a pump test on an unconfined aquifer is typically 72 hours in duration. The longer duration for an unconfined aquifer is required so that the saturated zone (which is physically dewatering) can be adequately stressed.

A step-drawdown test is typically performed prior to a pump test to determine whether a constant-rate or constant-head test should be performed, and what the optimal pumping rate should be. A step-drawdown test typically consists of three incrementally larger pumping rates, with each step conducted for one-half hour. The pump test can be performed when water levels return to static levels, or after 24 hours have passed.

4.2 Sampling and Analysis Plan

This section describes the procedures to be used during the field sampling activities.

4.2.1 General Field Procedures

The following steps will be conducted prior to commencement of field activities:

1. The Field Team Leader will notify the laboratory of the upcoming sampling event so that the laboratory can prepare the appropriate type and number of sample containers. The anticipated number of sampling sites, list of parameters to be analyzed, and number of sample bottles needed for quality control (QC) testing shall be specified to the laboratory manager.
2. All equipment to be used during the sampling event will be inspected by the Site Supervisor.

3. Field instrumentation to be used during sampling (i.e., pH, temperature, water level, and specific conductance meters) will be checked to ensure proper calibration and precision response.
4. All forms to be used in the field (including the field logbook, chain-of-custody sheets and seals, and sample analysis request forms) will be assembled.
5. New pre-preserved sample containers will be provided by the laboratory, and shipped to the Site or other designated location in coolers or insulated sample "shuttles".
6. The field team will review proper sampling protocols for the specific matrix to be sampled. All sampling will be conducted in accordance with the requirements listed in the Perfluorinated Compounds (PFCs) Sampling Checklist (Attachment 1). In addition, proper health and safety protocols will be reviewed prior to the sampling event.

All equipment will be calibrated each day and decontaminated between sample locations in accordance with the methods described below.

Calibration of Field Equipment

Calibration of equipment will occur daily prior to its use in the field. The Site Supervisor is responsible for maintaining adherence to the calibration schedule and for ensuring that the operator understands the proper usage, maintenance, and storage of each instrument. Calibration information will be recorded in the field logbook and will include: the date of calibration, the operator's name/initials, the calibration measurements, and observations about the instrument or calibration procedures (if needed).

All field measurement equipment will be calibrated according to the manufacturers' recommend guidelines. If any meter exhibits unacceptable error (according to manufacturer specifications), it will be recalibrated. If after recalibration, the meter still exhibits unacceptable error, it will be replaced. All field equipment will be supplied and maintained by a manufacturer-approved supplier.

Decontamination of Field Equipment

To prevent cross-contamination of the sample locations, all field equipment to be re-used (electronic water level indicator, submersible pump, etc.) will be thoroughly decontaminated after use at each location.

Field equipment will be decontaminated in the following manner:

- Tap water rinse
- Scrub with tap water containing non-phosphate detergent (e.g., Alconox®)
- Tap water rinse
- De-ionized water rinse
- Air dry

Disposable equipment (e.g., bailers, tubing, soil sampler liners) will not be reused.

Large drilling equipment (i.e., augers, drive casing, rods) will be decontaminated by steam cleaning and/or pressure washing after use at each boring location. Decontamination activities will be performed over a temporary pad for rinse water

collection. Rinse water from the decontamination activities will be collected and managed appropriately.

4.2.2 Groundwater Sampling Methodology

Groundwater sampling will be conducted in accordance with the requirements listed in the Perfluorinated Compounds (PFCs) Sampling Checklist (Appendix A). Groundwater samples will be obtained (where possible) using low-flow groundwater sampling techniques. However, if necessary, conventional well sampling methods (e.g. three well volume purging) may also be used. The standard procedures to be used for obtaining groundwater samples are described below.

Where depth-to-water is less than 25 feet, the following procedure may be used:

- Chemically-inert tubing will be placed into the well water column to the midpoint of the screened interval. This tubing will be connected with flexible chemically-inert tubing to a peristaltic pump head.
- Water will then be removed from the well with the peristaltic pump into a bottom-filling flow through cell that houses the field parameter probes (pH, temperature and conductivity).
- Field parameters and water levels will be recorded until stabilization. Field parameter stabilization is defined as measurements being within 10% over a five-minute time interval. If parameters do not stabilize, the well may be sampled after 15 minutes of low-flow purging. This will ensure that the sample collected is representative of the water-bearing zone.
- To ensure a representative sample, the water intake position at the midpoint of the screened interval will remain constant throughout the sampling process. Sampling flow rate will not exceed purging flow rate.
- Once field parameter stabilization has been achieved, the sample containers will be filled directly from the pump discharge tubing.
- If the well becomes dry during purging activities, it will be noted in the logbook, and samples will be collected as quickly as recharge will allow, preferably within the next 24 hours.

For wells where depth-to-water is greater than 25 feet, the following procedure may be used:

- Chemically inert tubing will be attached to a submersible pump. The submersible pump will then be placed into the well water column to the midpoint of the screened interval.
- Water will be pumped from the well into a bottom-filling flow through cell that houses the field parameter (pH, temperature and conductivity) probes.
- Field parameters and water levels will be recorded until stabilization. Field parameter stabilization is defined as measurements being within 10% over a five-minute time interval. If parameters do not stabilize, the well may be sampled after 15 minutes of low-flow purging. This will ensure that the sample collected is representative of the water-bearing zone.
- To ensure a representative sample, the water intake position at the midpoint of the screened interval will remain constant throughout the sampling process. Sampling flow rate will not exceed purging flow rate.

- Once field parameter stabilization has been achieved, the sample containers will be filled directly from the pump discharge tubing.
- If the well becomes dry during purging activities, it will be noted in the logbook, and samples will be collected as quickly as recharge will allow, preferably within the next 24 hours.
- Unless dedicated, the submersible pump and any other non-disposable sampling equipment will be decontaminated using the procedures outlined elsewhere in this work plan.

Groundwater samples may also be collected using hand-bailing techniques as follows:

- A disposable bailer will be lowered using new cord/string into the well until the bailer reaches the bottom.
- The bailer will be allowed to fill and then will be removed from the well and emptied into a waste container.
- This will be repeated until three well bore volumes have been purged from the well or until the well is dry. Field parameters will be collected after each well volume has been removed.
- Sample containers will then be filled directly from the bailer. If the well has been purged dry, it will be allowed to recharge before samples are collected. Wells with a slow recharge will be noted in the log and sampled as quickly as recharge will allow.

The analytical laboratory will supply all necessary sample containers with appropriate preservatives along with shipping containers. Samples will be shipped in coolers packed with wet ice (if necessary) to ensure that temperature preservation requirements are met.

4.2.3 Soil Sampling Methodology

Soil will be collected over the depth interval of zero to 0.5 feet bgs at all locations using either a hand auger or soil core with sliding hammer attachment. At three locations, samples will also be collected at 5-foot depth intervals down to the top of the perched water using a hand auger (or other suitable method). If necessary, soil will be transferred from the hand auger to a stainless-steel mixing bowl for homogenization. The homogenized sample will then be transferred to the laboratory-supplied sample containers using decontaminated stainless-steel spoons or trowels. Field equipment will consist of some or all of the following:

- Polyethylene (nalgene) collection bottles (laboratory provided)
- Plastic sheet liners
- Field sampling record and soil boring logs
- Stainless-steel knife, trowels, spoons, scoops, and bowls

All non-disposable sampling equipment will be decontaminated between sample depths and borehole locations using the procedures previously outlined.

4.2.4 Analytical Methods

The analysis of soil and groundwater samples for Table 1 target COCs will be performed by a North Carolina-certified laboratory. All laboratories that may be used are under

contract to Chemours to provide analytical services, and as such, are routinely audited and monitored for technical performance. Table 1 lists the fluorinated target analytes, while Table 2 lists the analytical methods and data quality objectives, and Table 3 lists required sample containers, holding times, and preservatives. Table 4 target COCs will be analyzed at the Site's laboratory because there is no USEPA method for analyzing the Table 4 compounds and Chemours is unaware of any commercial laboratories that could analyze for these compounds.

4.2.5 Sample Handling and Custody Procedures

Sample Handling

Samples will be collected into the laboratory-supplied pre-preserved sample containers using the procedures outlined above. Each individual sample container will be sealed according to laboratory specifications after sampling. Disposable clean nitrile gloves will be worn during the handling of all samples and sampling devices.

Preservation of Samples

Each containerized sample will be labeled and placed as soon as possible into an insulated sample cooler. The cooler will serve as a shipping container and should be provided by the laboratory along with the appropriate sample containers. Wet ice will be placed directly in contact with the sample containers within a heavy-duty Polyethylene bag. Samples will be maintained at a cool temperature (optimum 4°C ± 2°C) from the time of collection until the coolers arrive at the laboratory (if required). Plastic "bubble wrap" and/or polystyrene foam will be used to protect the samples during shipping.

Field Custody Procedures

The custody of samples collected during the field investigation will be traceable at all times. Prior to shipment of the samples to the laboratory, a chain-of-custody form will be completed by the field sample custodian. Sample locations, sample identification numbers, description of samples, number of samples collected, and specific laboratory analyses to be run on each sample will be recorded on the chain-of-custody form. The field sample custodian will sign and date the chain-of-custody form and will retain a copy for the project records (if available). The chain-of-custody forms will record possession of the samples from the time of collection until disposing or archiving the sample. A sample is considered under custody if:

- It is in the investigator's possession
- It is in the investigator's view after possession has been established
- The investigator locks up the sample after possession
- It is in a designated secure area

Chain-of-custody forms are not required for samples analyzed in the field; however, custody must be maintained at all times prior to analysis.

Prior to shipment by a registered courier, the sample shipping container (cooler, box, etc.) will be sealed with signed chain-of-custody forms inside. The authorized laboratory custodian that receives the samples will sign the chain-of-custody forms, thus terminating custody of the field sample custodian.

Laboratory Custody Procedures

Sample custody at the analytical laboratory is maintained through systematic sample control procedures composed of the following items:

- Sample receipt
- Sample log-in
- Sample storage
- Sample archival/disposal

As samples are received by the laboratory, they will be entered into a sample management system. The following minimum information will be provided:

- Laboratory sample number/identification
- Field sample designation
- List of analyses requested for each sample container

Immediately after receipt, samples will be transferred to a secure storage area with appropriate temperature control to await preparation and analysis. The laboratory's chain-of-custody procedures are documented in the laboratory's QA plan, which can be provided upon request.

4.2.6 Quality Control Checks

Equipment blanks, method/preparation blanks, field duplicates, matrix spike/matrix spike duplicates (MS/MSD)/replicate (REP) samples, and laboratory control samples (LCSs) will be analyzed to assess the quality of the data resulting from the field sampling and analytical programs.

Field Quality Assurance/Quality Control Samples

QA/QC samples (blanks, duplicates and MSs) will be analyzed along with the investigative samples to determine the variability introduced in sampling, handling, shipping, and analysis as well as the inherent spatial variability (background) of the Site. The frequency and types of QA/QC samples to be collected are discussed below:

Trip Blanks

Trip blanks will consist of a series of certified-clean sample containers filled with analyte-free water. The trip blanks will be prepared by the laboratory analyzing the samples and will travel to the Site with the empty sample bottles and back from the Site with the collected samples in an effort to simulate sample handling conditions. Trip blanks are not opened in the field. Trip blanks will accompany every shipping container that has sample bottles specified for volatile analysis. At least one trip blank per cooler will be analyzed for VOCs.

Equipment Blanks

Equipment blanks (field rinsate blanks) are used to evaluate equipment cleaning or decontamination procedures. At the sample location, laboratory-supplied analyte-free water will be poured over or through the clean, non-dedicated sampling equipment, collected in a sample container, and preserved as appropriate. The equipment blank samples will then be handled with the other samples and will be analyzed for the same

parameters as other samples collected using the same device. In the event that dedicated sampling equipment is used at each sampling location, one field blank consisting of the direct transfer of laboratory-supplied analyte-free water to the sample containers will be collected for each matrix (aqueous and solid). The maximum frequency for equipment blanks is one per 20 samples or one per sampling event.

Field Duplicates

Field duplicate samples will be collected at a frequency of one duplicate for every 20 (non-QA/QC) samples. Duplicate samples will be collected in the same manner as routine monitoring samples. The sample will be analyzed for the same parameters as the original sample, and the analytical results will be compared with those of the original sample. The analytical results of the original sample and the duplicate sample should be used to evaluate the cumulative precision because of the limitations of the analytical method, sample matrix, and sample collection techniques.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

An MS/MSD is a subsample of an investigatory sample to which the laboratory adds a spike containing analytes at known concentrations prior to extraction/analysis of the sample to assess the effect of sample matrix on the extraction and analysis methodology. The MS/MSD pair are subjected to the entire analytical procedure in order to indicate both accuracy and precision of the method for the matrix by measuring the percent recovery and relative percent difference (RPD) of the two spike samples. A matrix spike and matrix spike duplicate sample (or a laboratory replicate) will be analyzed by the laboratory once for each sample group (of the same matrix) or at a minimum of one in every 20 samples analyzed.

Handling of Field QA/QC Samples

All field QA/QC samples are handled, transported, and analyzed in the same manner as the actual field samples. If possible, the QA/QC samples should not be held on site for more than four calendar days. The temperature of all the blanks, except the trip blanks, must be maintained at 4°C while on site and during shipment. The trip blank is not shipped to the Site on ice, but must be maintained at 4°C when accompanying collected samples. Holding times for individual parameters are dictated by the specific analytical method used.

Laboratory Quality Control

The quality and integrity of samples collected and analyzed during the investigation will be monitored by equipment calibration documentation, equipment decontamination documentation, and the routine preparation of various QA/QC samples. The laboratory will prepare and analyze the QA/QC samples specified in the analytical methods and according to their in-house Standard Operating Procedures (SOPs).

The methods and procedures for monitoring the laboratories' QA/QC programs are documented in the laboratory QA Plans, which are available for review upon request.

5.0 DATA MANAGEMENT PLAN

This Data Management Plan (DMP) presents a program for managing information acquired during the investigation. The DMP describes procedures for recording the data, evaluating the data, and displaying the data.

5.1 Data Record

A data record for information collected will be developed to provide all information needed to subsequently analyze and assess the results of the fieldwork. Data records will have consistent labeling and recording of field observations to facilitate future data reduction and analysis and to eliminate the need for speculation concerning the quality of observations or the influence of environmental factors on an ultimate result. For each sample or measurement collected as part of the data record, the following information will be provided:

- Unique sample number
- Sampling or field measurement location and sample or measurement type
- Sampling date
- Sampling or field measurement raw data
- Property or component measured
- Results of analysis (concentration)
- Detection limit
- Reporting units

Each sample collected as part of this investigation will be assigned a unique number. The sample number will indicate the type of sample media and the sampling location. A monitoring well (MW) number (with no sample depth) will be included for groundwater samples. All laboratory data will be provided to the project team in both hard copy standard report and electronic deliverables.

5.1.1 Field Sampling Records

Information will be recorded in field notebooks to document the procedures used and the prevailing conditions during the field investigation. Previous field records will be reviewed at each site visit, and any unusual site conditions encountered during the field investigation will be described to allow interpretation of erroneous data at a later date. Field documentation of activities will be comprehensively recorded, so data may be easily interpreted at a later date. For example, when sampling is conducted, the following types of information will be recorded:

- Name of sampler
- Purpose of sampling
- Date and time of sampling*
- Sample type*
- Sampling location description and/or grid coordinates (including photographs, if needed)*
- Sampling method, sample containers, and preservatives used*

- Sample weight or volume (if applicable)
- Number of samples taken
- Unique sample identification numbers*
- Amount of water purged (for groundwater sampling)
- Field observations (prevailing weather conditions and other relevant factors that might influence sample integrity)
- Field measurements conducted*
- Name/initials of person responsible for observation

* ***Information required for data record***

Copies of these field observations and records will be submitted to the project file after each field activity.

5.1.2 Data Verification

Data verification is the process of verifying that qualitative and quantitative information generated relative to a given sample is complete and accurate. All data will be provided to the Chemours contractor AECOM in a data package by the laboratory. The data package contains raw data and will be reviewed by the in-house Analytical Data Quality Management (ADQM) group for compliance with the laboratory SOP and usability according to a prepared checklist (see Appendix B). Draft results and the supporting raw data will not be deleted or discarded. Comments from review of the data package will be provided to the laboratory who will generate a revised laboratory data package, if necessary. An electronic disk deliverable (EDD, see Appendix C) will also be provided by the laboratory and uploaded to the Locus EIM™ database.

All data will be reviewed using the Data Verification Module (DVM). The DVM is an internal review process used to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs, if any.

The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
R	Unusable result. Analyte may or may not be present in the sample.
B	Not detected substantially above the level reported in the laboratory or field
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The individual DVM narrative report for each lot entered into the EIM database will summarize which samples were qualified, the specific reasons for the qualification, and the potential bias in reported results. In addition, laboratory results greater than the MDL but less than the RL are qualified J and should be considered to be estimated values.

The DVM review process described above will be performed on 100% of the data generated for the sampling event. The DVM review process will be supplemented by a manual review of the instrument- related QC results for calibration standards, blanks, and recoveries (Appendix B) to elevate the overall review process to be consistent with Stage 2b of the EPA Guidance for Labelling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005, 2009).

5.2 Data Evaluation

In accordance with current NCDENR guidance, the following screening levels will be utilized during the evaluation to identify constituents of potential concern (COPCs). Selected screening levels were based on current land use assumptions. Exceedances of screening levels do not in themselves indicate a confirmed release from a unit or that an unacceptable exposure exists. Rather, the screening levels serve to indicate potential concerns for exposure.

5.2.1 Groundwater, Soil and Surface Water

- Groundwater – Shallow groundwater is not used on-site for drinking water; however, since there are no institutional controls at the site restricting it from being used for potable purposes, constituents detected in groundwater will be compared to the applicable NC 2L Standard, NC IMAC, or USEPA Regional Screening Levels (RSLs) for tap water, where NC 2Ls or IMACs were unavailable.
- Soil – Soil data will be compared to USEPA RSLs for residential soil (unrestricted use). The RSL represents a combined exposure including inhalation of particulates and volatile compounds, dermal absorption and ingestion. Constituents that exceeded the residential RSL will also be compared to the USEPA RSLs for industrial soil (restricted use) and to site-specific background data for inorganics, if available. Soil concentrations will also be compared to NC target concentrations for the protection of groundwater (Csoil levels).
- Surface Water – Surface water concentrations will be compared to North Carolina Surface Water Quality Standards (15A NCAC 2B) or Federal Ambient Water Quality Criteria (AWQC; 40 CFR Part 131), where NC 2B Standards were unavailable. If criteria are not available from either source, then

concentrations will be compared to NC 2L criteria and USEPA Region 4 Ecological Screening Values (ESVs).

5.3 Data Validation

The laboratories will report the Table 1 and Table 4 compound results to a reporting limit (RL) which is based on the low concentration or concentration equivalent calibration standard. Reported concentrations will not be corrected for contaminants found in associated method and field blanks. Deliverables will include a narrative and appropriate laboratory raw data and QC summary forms.

The laboratory will report results for a laboratory replicate in each batch. These results will be evaluated for precision by comparing the field sample result to the corresponding laboratory replicate result:

- If both results are less than the RL, the replicate sample for that analyte is considered to have passed the precision criteria.
- If one or both results are between one and five times the RL, the replicate is considered to have met the criteria if the two results differ by less than the RL.
- If one result is less than the RL and the other is not, and if the two results differed by a value less than the RL, the replicate is said to have met the acceptance criteria.
- Finally, if both results are at least five times the RL, the replicate is considered to have met the criteria if the relative percent difference (RPD) between the two results is less than or equal to 20%. RPD is the absolute value of the difference of two measurements divided by their average.

When the precision criteria outlined above is met, the average of the field sample and lab replicate results is reported in the summary results section of the report by the laboratory. If criteria for precision are exceeded, the higher of the sample and lab replicate results will be reported in the summary results section of the report by the laboratory. Finally, when one result (from the sample/lab replicate pair) is above the RL and one below, the result which is above the RL will be reported in the summary results section by the laboratory. The summary results section of the report includes the individual sample results. In addition to the results reported in the summary section of a report, the laboratory will also include, as part of the report, a data package that contains all raw data for the sampling effort.

6.0 PROJECT MANAGEMENT PLAN

This Project Management Plan (PMP) has been prepared as part of the preparation effort for the investigation activities at the Site. The PMP contains the following sections:

- Personnel (including roles and responsibilities)
- Project Schedule
- Support Plans

Each project team member identified below will be familiar with work plan. Additional documents (e.g., Waste Management Plan, Health and Safety Plan [HASP], field notes logbook, sample status logbook) may be developed as part of the pre-field mobilization effort as needed to ensure that all field activities are completed safely and effectively.

6.1 Personnel

Chemours has carefully assembled a team of highly qualified professionals for this project, who possess the knowledge and experience necessary to meet the objectives of the investigation. All senior personnel assigned to the project have years of experience on complex, multi-phased environmental and remediation projects.

The principal members of the Chemours project team are:

- Project Director (PD): The duties of the PD are to provide overall project guidance and to ensure consistency with other Chemours projects and that the implementation meets the requirements of the Permit.
- Project Manager (PM): The duties of the Project Manager are to schedule and access project resources; to prepare and ensure compliance with all project scopes, schedules, and budgets; to provide project scheduling; to oversee and coordinate the activities of project personnel; and to ensure satisfactory execution of all project work, as well as to communicate with NCDEQ.
- Senior Project Scientist/Geologist: The Senior Project Scientist/Geologist will be the primary technical resource involved in project support and report preparation and will supervise, coordinate, and assist in the performance of field operations.
- Staff Scientist/Geologist: The Staff Scientist/Geologist (or Field Technician) will support preparation activities, provide technical and geologic services, and assist in field operations.
- Health and Safety Officer: The Health and Safety Officer will be responsible for preparing the project health and safety plan, reviewing all project health and safety issues, and ensuring that all project operations are performed in accordance with the applicable health, safety, and Occupational Safety and Health Administration (OSHA) regulations and requirements.
- Analytical Quality Assurance/Quality Control (QA/QC) Officer: The Analytical QA/QC Officer will be responsible for preparing the applicable documentation that will guide the collection and analyses of all project analytical data and for the review/evaluation of laboratory deliverables. He or she will work closely with the field team and Project Manager as well as the contract laboratories to resolve any sampling or analytical questions or issues that may develop.
- Contractors: During field operations, it is anticipated that Contractors will be required. The personnel on these crews will be properly trained and licensed in

North Carolina to perform their respective duties. All contractors will be directed by the primary technical resource.

6.2 Support Plans

Chemours and the Parsons project team will review and update the existing Health and Safety Plan (HASP) and Waste Management Plan (WMP), as needed, prior to the implementation of investigation activities. The following sections provide a brief description of the content to be included in each supporting plan.

6.2.1 Health and Safety Plan

The purpose of the HASP is to assign responsibilities, establish personnel protection standards, specify safe operating procedures, and provide for contingencies that may arise during any of the field activities. The HASP includes sections pertaining to the following:

- Hazard evaluation
- Worker protection
- Air/workplace monitoring
- Personnel training
- Site control
- Decontamination

The HASP will be evaluated for completeness throughout the course of the field activities and will incorporate changes necessary as a result of changes in site activities. All proposed revisions to the HASP will be reviewed by the Regional Health and Safety Manager prior to implementation by the project team and annotated on a revision checklist provided with the HASP.

All participants involved in the field activities will be briefed on the HASP and afforded the opportunity to raise any questions. In addition, Chemours and subcontractor personnel who will be on-site during the field activities will sign the HASP Compliance Form provided in the HASP. All personnel will be responsible for compliance with the HASP and any other regulatory requirements set forth by federal and/or state regulations.

6.2.2 Waste Management Plan

Prior to implementation of the field activities, the site-specific Waste Management Plan (WMP) will also be reviewed and updated (if needed). The WMP establishes a system for managing, documenting, and monitoring the handling, storage, and disposal of wastes generated during sampling activities. The following types of non-hazardous generated wastes are anticipated as a result of the activities included in this work plan:

- Personal protective equipment (PPE)
- Decontamination water
- Groundwater/purge water from investigation activities
- Soil from investigation activities
- Disposable sampling equipment (i.e., tubing, bailers, etc.)

During investigation activities, wastes generated at various locations will constitute "new" wastes of known (process knowledge), unknown, or variable composition. Wastes generated during the investigation will be characterized to determine disposal options. Waste water (drill fluids, decontamination water, well purge, and well development water) will be handled separately from soils and other wastes (PPE and disposable sampling debris). Drums or tanks may be used for wastewater storage, depending on the volume and similarity of the wastes. Soils will be drummed or stored in roll-off boxes (depending on waste volumes) and accumulated and segregated according to source location.

6.3 Project Reporting

Upon receipt of the final laboratory analytical data, the project team will prepare a technical report/memorandum describing the additional investigation activities. In the report/memorandum, the investigation data will be arranged and presented to facilitate interpretation and understanding of the data as it pertains to the overall objectives of the investigation. Typical data displays that will be presented include a tabulation of field measurements and observations and figure(s) to summarize information as it relates to conditions present at the Site. The technical report/memorandum will also present a summary of the conclusions derived from the supplemental sampling activities.

6.4 Project Schedule

The activities described in this work plan will commence upon approval of the work plan by NCDEQ. The following is a list of anticipated scheduling time separated by task that Chemours previously provided to NCDEQ, including during an October 3, 2017, meeting. The tasks will be completed in sequential order as indicated in the following table.

Activity	Date
Work Plan to NCDEQ	October 31, 2017
Complete Additional Investigation Field Work	December 31, 2017
Data Evaluation and Technical Memorandum Submitted to NCDEQ	January 31, 2018

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7.0 REFERENCES

DuPont CRG. December 1996. RCRA Facility Assessment Report

DuPont CRG. May 1999a. RCRA Confirmatory Sampling Report

DuPont CRG. June 1999b. RCRA Confirmatory Sampling (Supplemental) Report

DuPont CRG. November 2001. Former Fire Training Area Investigation Report.

DuPont CRG. April 2003. Phase I RFI Report

DuPont CRG. January 2005. Supplemental Phase I RFI Report.

DuPont CRG. June 2006. Phase II RFI Report.

Leab, Robert J. 1990. Soil Survey of Bladen County. United States Department of Agriculture, Soil Conservation Service.

USEPA. 1996. Advanced Notice of Proposed Rulemaking for Corrective Action for Release from Solid Waste Management Units at Hazardous Waste Management Facilities.

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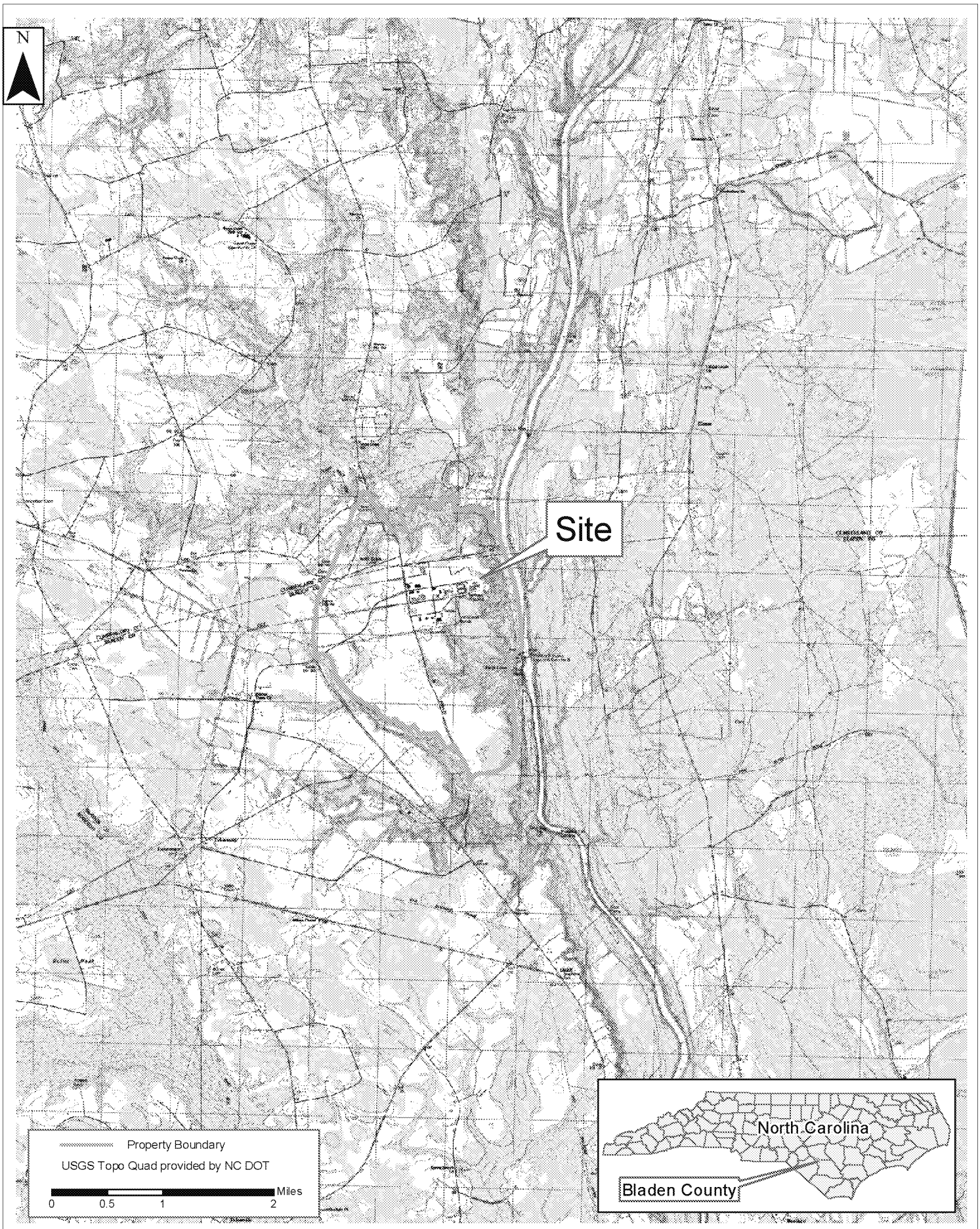
FIGURES



PARSONS

PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Site Location Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

DRAWN: C. Oneal	DATE: 10/23/2017	
REVISION: 0	FIGURE NO.: 1	PARSONS NO.: 450768.04020
FILE NAME: Fay_Fig_1_Site_Loc		

D:\GIS\Fayetville\GIS\Projects_figures\2017\Fay_Fig_1_Site_Loc.mxd

N

0 0.5 1 Miles

Pavement/Curb

Plant Border

Drainage Channel

River

Site Structure

SWMU

Aerial Photograph provided by DuPont, taken 12/2005

N

0 750 1,500 Feet

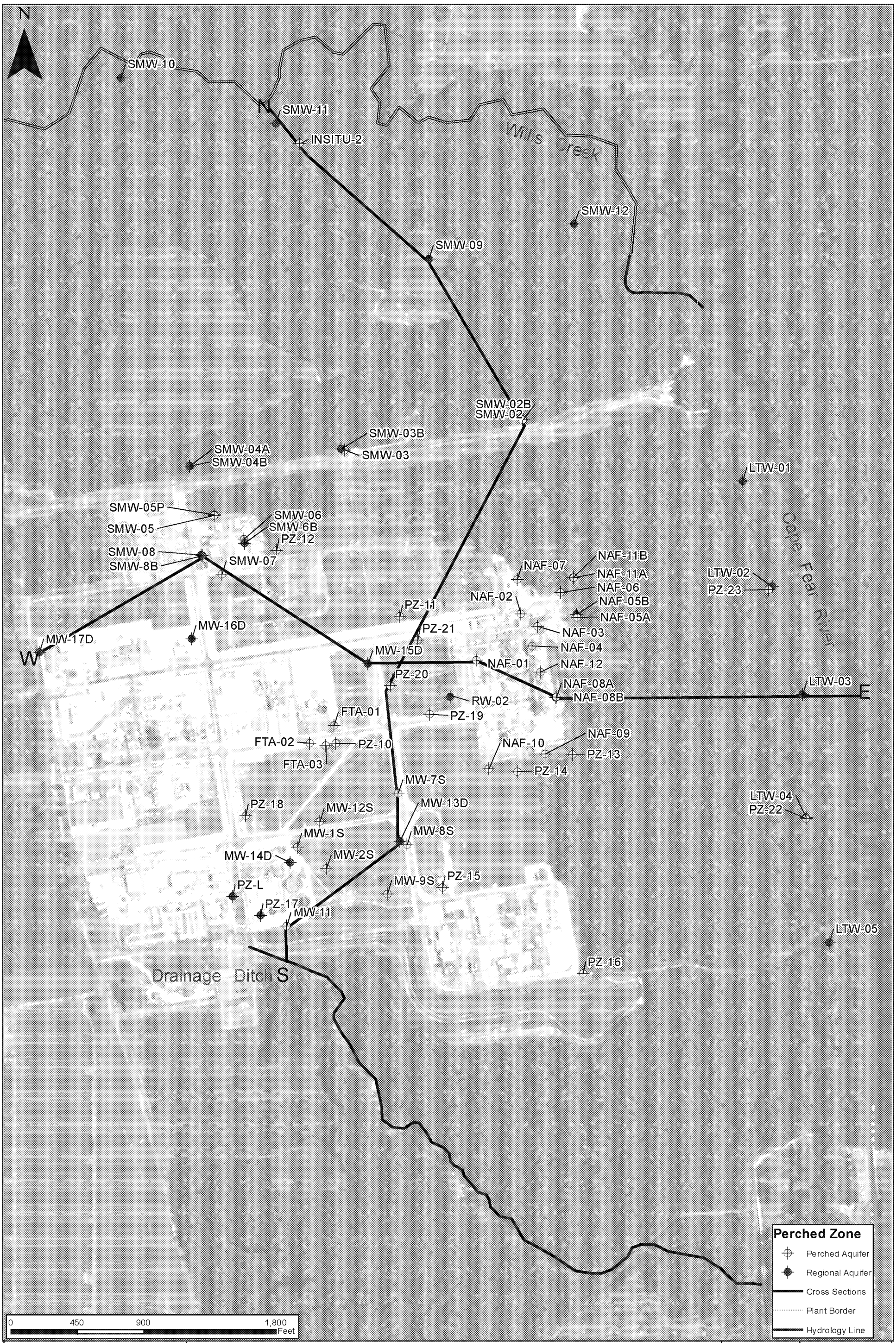
Path: D:\GIS\Fayetvle\Gis\Project_figures\2017\Fay_Site_Layout.mxd

PARSONS

PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Site Layout Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

DRAWN: C. Oneal	DATE: 10/23/2017	
REVISION: 1	FIGURE NO.: 2	PARSONS NO.: 450768.04020
Name: Fay_Site_Layout		



PARSONS
PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Cross Section Location Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

Created: C. Oneal	
Date: 10/23/2017	Parsons Project Number: 450768.04020
Revision:	Figure Number: 3
File Name: Cross_Sections	

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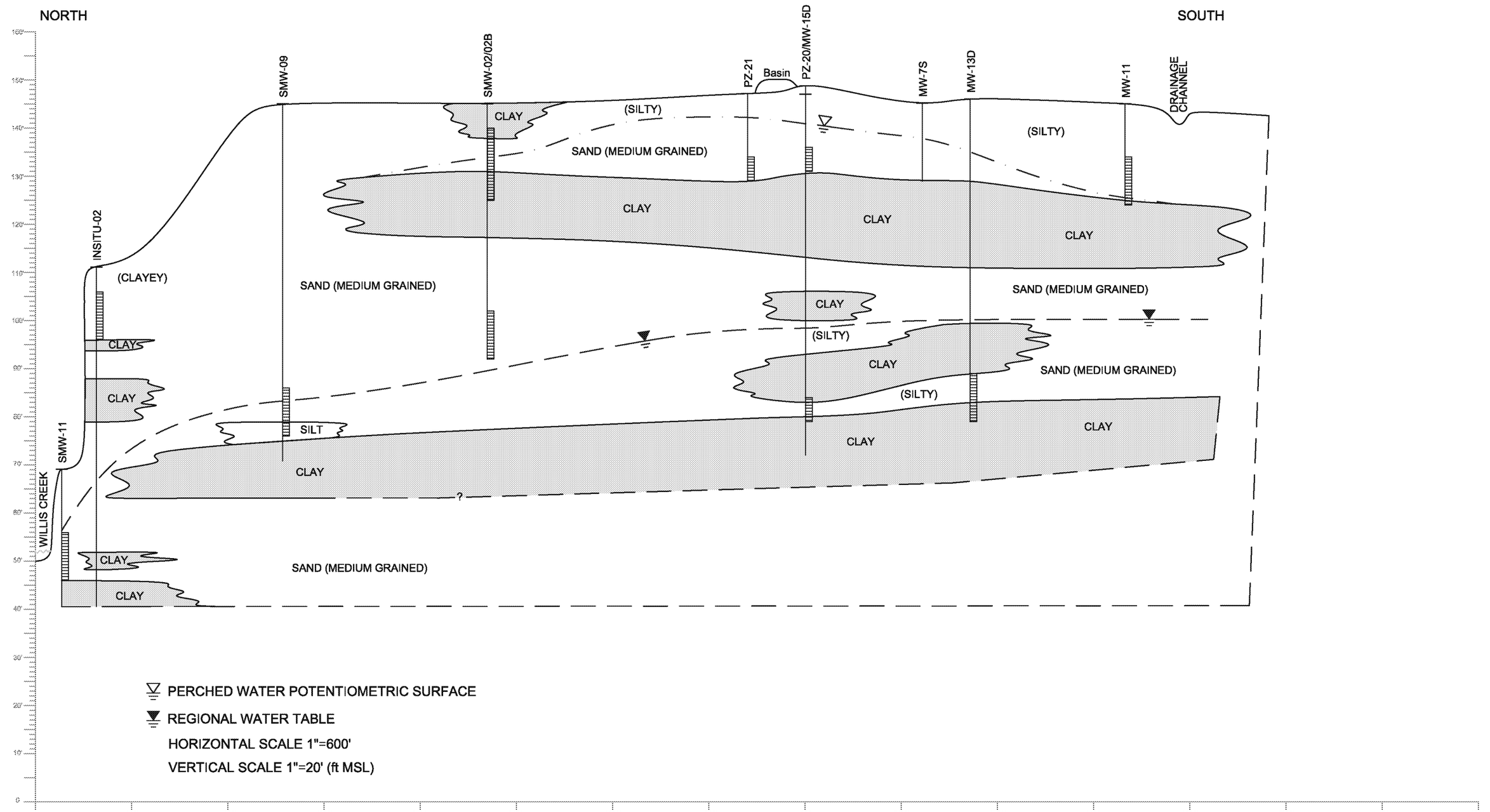

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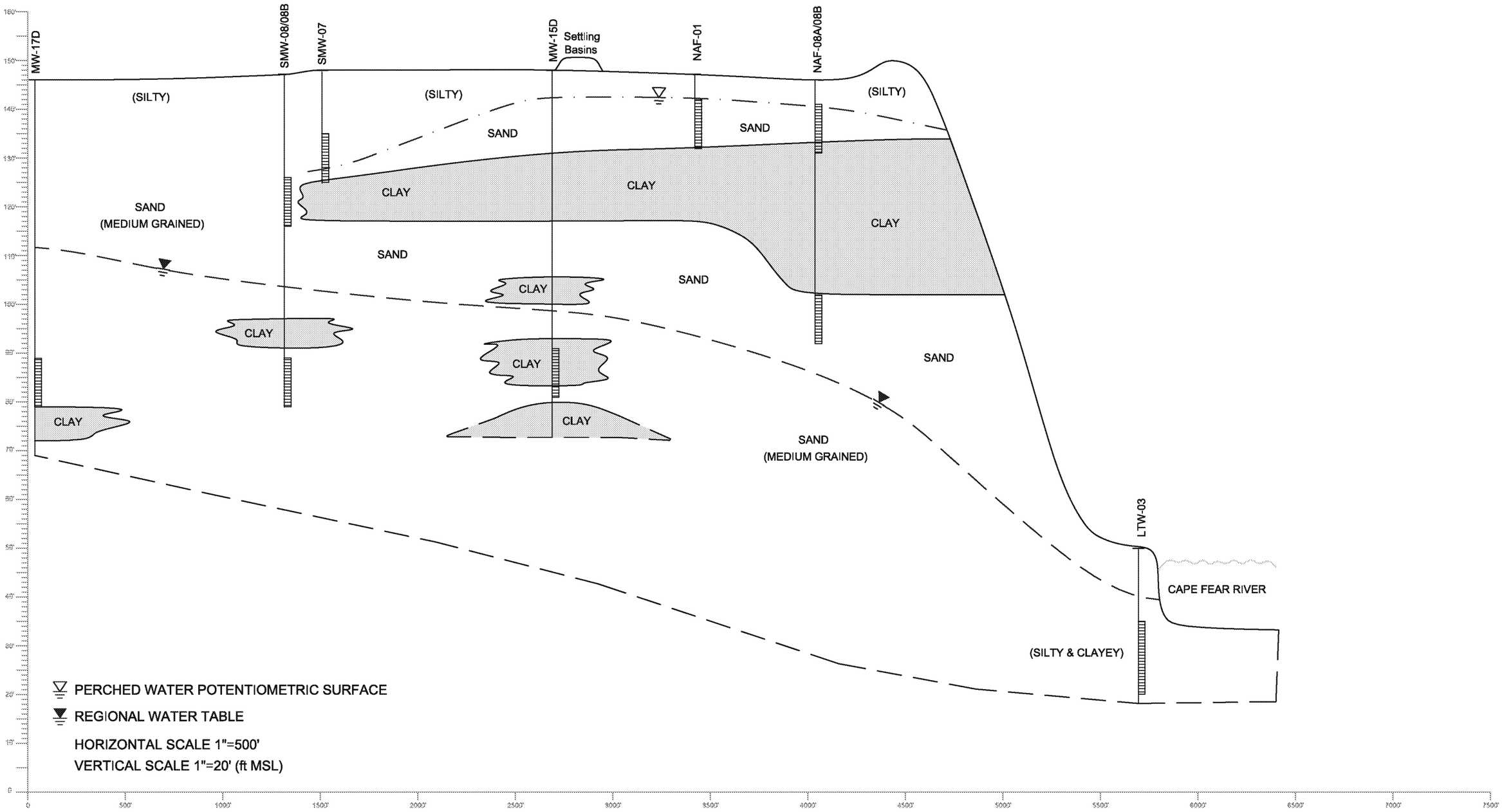
PARSONS

4701 Hedgemore Drive
Charlotte, NC 28209

TITLE: North-South Cross Section Map (A-A')
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

DWN: RAH	DES.:	PROJECT NO.: 445394.01050
CHKD: RLL	APPD:	FIGURE NO.: 4
DATE: 12/3/2013	REV.:	



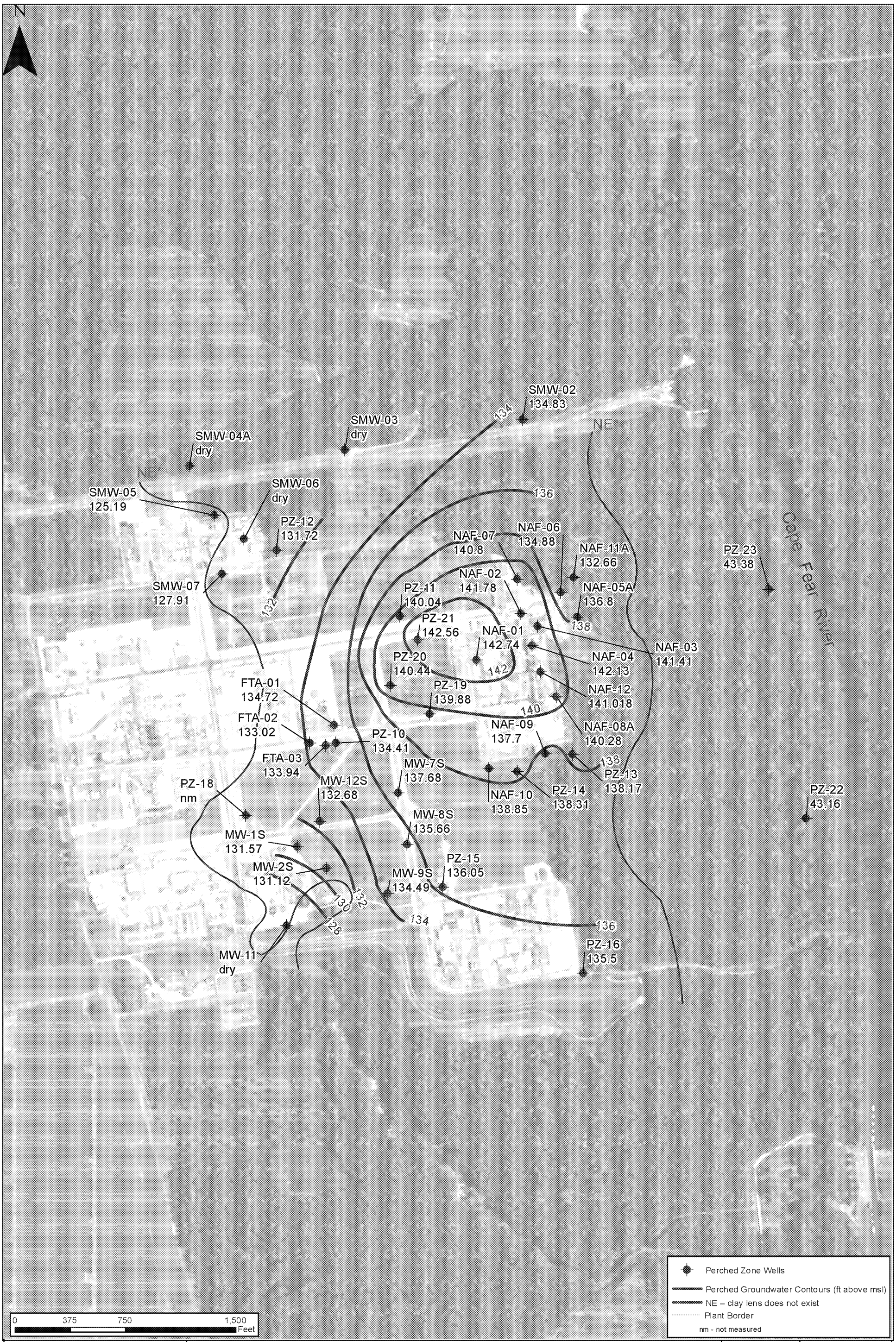
FILE: FAYETTEVILLE\CROSS SECTION\ WEST TO EAST CROSS SECTION.DWG

PARSONS

4701 Hedgemore Drive
Charlotte, NC 28209

TITLE: West- East Cross Section Map (B-B')
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

DWN: RAH	DES.:	PROJECT NO.: 445394.01050
CHKD: RLL	APPD:	FIGURE NO.: 5
DATE: 12/3/2013	REV.:	



PARSONS

PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Perched Zone Potentiometric Surface Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

Created: C. Oneal	
Date: 10/23/2017	Parsons Project Number: 450768.04020
Revision:	Figure Number: 6
File Name: Perched_Pot_map_2013	

D:\GIS\Fayetville\Gis\Projed_figures\2017\Perched_Pot_map_2013.mxd

PARSONS

PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Surficial Aquifer Potentiometric Surface
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

Created: C. Oneal	
Date: 10/23/2017	Parsons Project Number: 450768.04020
Revision:	Figure Number: 7
File Name: Regional_Pot_map_2013	

D:\GIS\Fayetville\Gis\Projed_figures\2017\Regional_Pot_map_2013.mxd

PARSONS
PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Proposed Soil Sample Location Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

Created: C. Oneal	DuPont Project Number:
Date: 10/23/2017	Parsons Project Number:
Revision:	Figure Number: 8
File Name: ProposedSoilSampleLocationMap	

D:\GIS\Fayetville\Gis\Proj\ed_figures\2017\ProposedSoilSampleLocationMap.mxd

PARSONS
PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

Proposed Boring Location Map
Additional Site Investigation Work Plan
Chemours Fayetteville Works
Fayetteville, North Carolina

Created: C. Oneal	DuPont Project Number:
Date: 10/23/2017	Parsons Project Number:
Revision:	Figure Number: 9
File Name: ProposedBoringLocationMap	

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TABLES

TABLE 1
TARGET COMPOUND LIST - PART 1
ADDITIONAL INVESTIGATION WORK PLAN
CHEMOURS WORKS PLANT, FAYETTEVILLE, NC

Analyte	Method Abbreviation	CAS Number
N-ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	2991-50-6
N-methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	2355-31-9
Perfluorobutanesulfonic acid (PFBS)	PFBS	375-73-5
Perfluorodecanoic acid (PFDA)	PFDA	335-76-2
Perfluorododecanoic acid (PFDoA)	PFDoA	307-55-1
Perfluoroheptanoic acid (PFHpA)	PFHpA	375-85-9
Perfluorohexanesulfonic acid (PFHxS)	PFHxS	355-46-4
Perfluorohexanoic acid (PFHxA)	PFHxA	307-24-4
Perfluorononanoic acid (PFNA)	PFNA	375-95-1
Perfluorooctanesulfonic acid (PFOS)	PFOS	1763-23-1
Perfluorooctanoic acid (PFOA)	PFOA	335-67-1
Perfluorotetradecanoic acid (PFTeA)	PFTA	376-06-7
Perfluorotridecanoic Acid (PFTriA)	PFTrDA	72629-94-8
Perfluoroundecanoic acid (PFUnA)	PFUnA	2058-94-8
Perfluoropentanoic acid (PFPeA)	PFPeA	2706-90-3
Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6

TABLE 2
ANALYTICAL METHODS AND DATA QUALITY OBJECTIVES
ADDITIONAL INVESTIGATION WORK PLAN
CHEMOURS WORKS PLANT, FAYETTEVILLE, NC

Test	Analytical Method/SOP	Precision (Relative % Difference)	Accuracy (Relative Recovery)	Completeness
Water				
PFAS	537 Mod/SOP WS-LC-0025, Revision 1.7	20	50 - 150, 70 - 130 for PFOA	90
HFPO-DA	DV-LC-0012, Rev. 14	20	70 - 130	90

Note: These data quality objectives apply to Table 1 constituents only.

TABLE 3
CHEMICAL PARAMETERS, SAMPLE CONTAINERS, HOLDING TIMES AND PRESERVATIVES

ADDITIONAL INVESTIGATION WORK PLAN
CHEMOURS WORKS PLANT FAYETTEVILLE, NC

Test	Test Method/SOP	Container	Sample Size	Extraction Holding Time	Analysis Holding Time	Preservation*
PFAS	537 Mod/ SOP WS-LC-0025, Revision 1.7	HDPE	2 x 250 mL	7 days	40 days	Cool 4°C
HFPO-DA	DV-LC-0012, Revision 14	HDPE	2 x 250 mL	14 days	40 days	Cool 4°C

*All samples are to be stored at nominal 4°C (not frozen to 0°C).
HDPE = High Density Polyethylene
Note: Table 3 applies to Table 1 constituents only.

TABLE 4
TARGET COMPOUND LIST - PART 2
ADDITIONAL INVESTIGATION WORK PLAN
CHEMOURS WORKS PLANT, FAYETTEVILLE, NC

Compound Group	Analyte	CAS Number
Monoether PFECAs	C3HF5O3	674-13-5
	C5HF9O3	863090-89-5
	C7HF13O3	174767-10-3
	C4HF7O3	377-73-1
Polyether PFECAs	C4HF7O4	39492-88-1
	C5HF9O5	39492-89-2
	C6HF11O6	39492-90-5
	C7HF13O7	39492-91-6
PFESAs	C7H2F14O5S	749836-20-2
	C7HF13O5S	66796-30-3

APPENDIX A
PFCS SAMPLING CHECKLIST

PFCs Sampling Checklist

Date: _____

Weather (*temp./precipitation*): _____ Site Name: _____

Field Clothing and PPE:

- No clothing or boots containing Gore-Tex™
- All safety boots made from polyurethane and PVC
- No materials containing Tyvek®
- Field crew has not used fabric softener on clothing
- Field crew has not used cosmetics, moisturizers, hand cream, or other related products this morning
- Field crew has not applied unauthorized sunscreen or insect repellant

Field Equipment:

- No Teflon® or LDPE containing materials on-site
- All sample materials made from stainless steel, HDPE, acetate, silicon, or polypropylene
- No waterproof field books on-site
- No plastic clipboards, binders, or spiral hard cover notebooks on-site
- No adhesives (Post-It Notes) on-site
- Coolers filled with regular ice only. No chemical (blue) ice packs in possession

Sample Containers:

- All sample containers made of HDPE or polypropylene
- Caps are unlined and made of HDPE or polypropylene

Wet Weather (as applicable):

- Wet weather gear made of polyurethane and PVC only

Equipment Decontamination:

- "PFC-free" water on-site for decontamination of sample equipment. No other water sources to be used.
- Alconox and Liquinox to be used as decontamination materials

Food Considerations:

- No food or drink on-site with exception of bottled water and/or hydration drinks (i.e., Gatorade and Powerade) that is available for consumption only in the staging area

If any applicable boxes cannot be checked, the Field Lead shall describe the noncompliance issues below and work with field personnel to address noncompliance issues prior to commencement of that day's work. Corrective action shall include removal of noncompliance items from the site or removal of worker offsite until in compliance.

Describe the noncompliance issues (include personnel not in compliance) and action/outcome of noncompliance:

_____

_____

_____

Field Lead Name: _____

Field Lead Signature: _____ Time: _____

PFC Sampling – Prohibited and Acceptable Items

Prohibited	Acceptable
Field Equipment	
Teflon® containing materials	High-density polyethylene (HDPE) materials
Low density polyethylene (LDPE) materials	Acetate Liners
	Silicon Tubing
Waterproof field books	Loose paper (non-waterproof)
Plastic clipboards, binders, or spiral hard cover notebooks	Aluminum field clipboards or with Masonite
	Sharpies®, pens
Post-It Notes®	
Chemical (blue) ice packs	Regular ice
Field Clothing and PPE	
New cotton clothing or synthetic water resistant, waterproof, or stain-treated clothing, clothing containing Gore-Tex™	Well-laundered clothing made of natural fibers (preferable cotton)
Clothing laundered using fabric softener	No fabric softener
Boots containing Gore-Tex™	Boots made with polyurethane and PVC
Tyvek®	Cotton clothing
No cosmetics, moisturizers, hand cream, or other related products as part of personal cleaning/showering routine on the morning of sampling	**Sunscreens** - Alba Organics Natural Sunscreen, Yes To Cucumbers, Aubrey Organics, Jason Natural Sun Block, Kiss my face, Baby sunscreens that are "free" or "natural" **Insect Repellents** - Jason Natural Quit Bugging Me, Repel Lemon Eucalyptus Insect repellant, Herbal Armor, California Baby Natural Bug Spray, BabyGanics **Sunscreen and insect repellant -** Avon Skin So Soft Bug Guard Plus – SPF 30 Lotion
Sample Containers	
LDPE or glass containers	HDPE or polypropylene
Teflon-lined caps	Unlined polypropylene caps
Rain Events	
Waterproof or resistant rain gear	Gazebo tent that is only touched or moved prior to and following sampling activities
Equipment Decontamination	
Decon 90®	Alconox® and/or Liquinox®
Water from an on-site well	Potable water from municipal drinking water supply
Food Considerations	
All food and drink, with exceptions noted on right	Bottled water and hydration fluids (i.e, Gatorade® and Powerade®) to be brought and consumed only in the staging areas

APPENDIX B
PFC DATA PACKAGE REVIEW

Location – Jobname -

Lab – TestAmerica Sacramento Lab Report No. -

Note – the following checklist is intended to allow an organized review of the laboratory data package for compliance with the laboratory SOP and general data usability. Results and the supporting raw data will not be deleted or discarded. Comments herein will be provided to the laboratory who will generate a revised laboratory data package, if necessary, and an electronic disk deliverable (EDD). The EDD will be uploaded to the Locus EIM database and the Data Validation Module (DVM), an automated data review program, will proceed. The DVM program checks QC measures (e.g. RPR) and applies standard letter qualifiers to the results for a sample or batch of samples, for failure to meet QC criteria. Additional letter qualifiers may be applied to the data as outlined in the following discussion.

NARRATIVE – confirm target compounds, review text against SOP for sample prep/analysis, note if QC criteria not being met

RESULTS SUMMARY –

Confirm sample results reported

Compare results between executive summary spreadsheet, LIMS reports, and Quantify Compound Summary Report – no differences beyond those that can be explained by rounding.

Confirm measures of accuracy and precision per batch of samples analyzed

Location – Jobname -

Lab – TestAmerica- Sacramento Lab Report No. -

RESULTS SUMMARY (cont) –

Method Blanks – less than RL – further evaluated using DVM (see below)

Field Blanks – to be evaluated using DVM program – sample concentrations < 5X field blank concentrations will be qualified as B (not present substantially above the level found in lab or field blanks)

LCS (recovery per the table below)

Internal Standard (recovery should be 25-150%)

FIELD DUPLICATES – calculate the RPD for field duplicates. Criteria are 20% when both results are > 5X the RL. When one or both results are below 5X the RL, compare the difference between the results to the RL. When criteria is exceeded, the sample and field duplicate results only will be qualified J and considered to be estimated.

MATRIX SPIKE RECOVERY – spike recovery per the table below unless sample concentration is > 4X spike concentration. .

Confirm at least 1 matrix spike per batch of samples analyzed

If the lab uses the same sample for the matrix spike and duplicate analyses, then confirm the sample result (not the duplicate) was used for recovery calculation

Location – Jobname -

Lab – TestAmerica- Sacramento Lab Report No. -

COC REVIEW/SAMPLE RECEIPT

Samples relinquished by field

Samples received at lab next day

Samples packed in wet ice

Sample temperature upon receipt (not frozen to 6 C)

HOLD TIME – per SOP – water samples will be extracted within 7 days from collection, soils will be extracted within 14 days from collection) and analysis within 40 days of extraction. Up to 2X the hold time results will be qualified J (estimated) or UJ (detection limit is estimated). Beyond 2X the hold time results will be qualified J and non-detect results may be qualified R (unusable).

RUN SEQUENCE –

Compare raw data results throughout package

Check for:

Verify initial calibration (minimum 5 points for average response factor and/or linear fit, or 6 points for quadratic fit)

ICB < RL

Low-level verification standard (recovery should be 50-150%)

Check Standard (ICV) – Second Source (recovery should be 60-140% if quant by isotope dilution, 50 – 150% if quant by internal standard)

CCV (recovery should be 60-140% if quant by isotope dilution, 50 – 150% if quant by internal standard)

LC/MS/MS OPERATING CONDITIONS

Scanning method – evaluate

Location – Jobname -

Lab – TestAmerica- Sacramento Lab Report No. -

MASS CALIBRATION

All masses must be found within 0.5 amu of known masses

INITIAL CALIBRATION – initial 5 standards

Correlation coefficient $R \geq 0.990$ (Linear)

Coefficient of determination $R^2 \geq 0.990$ (Quadratic)

MDL/RL DETERMINATION

Determined at least semiannualy

Method or reagent blank used

MDL < ½ RL for each target

MDL verification run at 1 ng/L

RL verification run at 2 ng/L

RETENTION TIMES – Retention time of sample peaks must be within 0.05 minutes of the retention time observed for the labeled internal standard.

COMMENTS

Reviewer - Date -

APPENDIX C
EDD FORMAT DESCRIPTION

2/12/2016

Chemours/DuPont Standard EIM EDD Format

Revisions to DuPont Standard EIM EDD Format Dated 11/7/13

Inclusion of Chemours. Standard EIM EDD Format description applicable to both Chemours and DuPont

Introduction

The Chemours/DuPont Corporate Remediation Group (CRG) maintains a corporate environmental database that stores field data, analytical results, QA/QC results, water levels, and other information resulting from the activities of Chemours/DuPont environmental projects. Much of this data is provided by analytical labs or sampling contractors performing analytical and sampling services for Chemours/DuPont. Chemours/DuPont has implemented the Locus Environmental Information Management (EIM) system as the corporate database. To optimize loading data generated by these contractors, an EDD file format has been developed for importing laboratory analytical data into the Locus EIM database. Following is a description of the Locus EIM EDD specification (EIM EDD) for Chemours/DuPont contractors.

General EDD Information

In general, EIM EDDs will be uploaded by the laboratory that does the sample analysis. Locus EIM user accounts and training will be provided to laboratories. The EIM EDD must match the hardcopy report in terms of samples, tests, analytes, and results. Also, Chemours/DuPont generally requires the lab composite results such that only one result is reported for each analyte (i.e., the lab submits only the result judged best when a sample is re-analyzed for particular analytes due to exceeding calibration range, etc.). However, there may be cases where regulations require results from all runs be submitted. These cases will be specified by the project chemist during project setup.

Normally, all data for a particular sample delivery group will be contained in one file. This group is normally referred to as a lot (or group), which makes up a normal reporting/invoicing group and usually consists of samples for a given project and site that the lab has received in one day, including all associated QC samples and results. Note that QC results may be contained in more than one EDD if field samples from different lots were analyzed in the same QC batch.

Samples taken for matrix spike/matrix spike duplicates (MS/MSD) and laboratory replicates (REP) are QC samples that have field samples, and are subject to the following controls:

1. If the field sample is from Chemours/DuPont and is in the current lot for the current project, then:
    a. The parent or un-spiked sample and result information should be included in the EIM EDD and;
    b. The FIELD_SAMPLE_ID for the MS, MSD, and REP samples should be included for those records. If the Chemours/DuPont sample is used as the parent for the MS/MSD/REP, the field sample ID must be the same as parent sample ID. There should be no MS, MSD, or REP in the FIELD_SAMPLE_ID. For example, for an MS sample, the FIELD_SAMPLE_ID must be NR0513-LHWABLDG (same as parent) not NR0513-LHWABLDG-MS.
2. If the parent field sample is not from a Chemours/DuPont site, or is from a Chemours/DuPont site but not the current site and project, then:
    a. The field sample and result should not be included, and;

b. The FIELD_SAMPLE_ID must be null for the MS, MSD, and REP samples, but these QC samples must have the ORIGINAL_LAB_RESULT result as per the spec.

3. Lab originated (QA/QC) samples such as lab control spikes or method blanks should not have a FIELD_SAMPLE_ID populated in the edd.

QA/QC results involving relative percent recoveries and relative percent differences, e.g. MS/MSDs, REPs, lab control spikes and lab control spike duplicates (LCS/LCSD), and surrogates must also include these recoveries and differences plus the maximum and minimum recoveries and differences that are acceptable, as applicable. For example, an MS sample requires a result, the relative percent recovery, and the maximum and minimum permissible relative percent recovery. An MSD sample requires a result, the relative percent recovery, the relative percent difference, the maximum and minimum permissible relative percent recovery, and the maximum permissible relative percent difference.

EDD Specification Details

The following list outlines the requirements associated with generating EDDs for Chemours/DuPont's implementation on Locus' EIM system.

- The EDD must be an ASCI file with no header or footer.
- Each record must be alike with respect to format.
- Every analytical result is represented by a single record.
- The record format of the EDD is positional and therefore, each field must be listed in the order specified in Table 1.
- The length of each field must not exceed the width specified in the "Length" column of Table 1, or the data will be truncated.
- Every field must be separated by a semi-colon.
- Null or blank fields must be delimited.
- Each record (last record excluded) must be terminated with a carriage return.
- Required fields are indicated in **bold** in Table 1.
- Non-required fields may be populated depending on the project circumstances, or the particular data being reported. These requirements are described in Table 1 in the "Field Contents" column and in footnotes at the bottom of table.
- The column titled "VVL" represents if a data field contains lookup valid values. These values are provided in the valid value attachment and can be accessed in EIM through your Lab View.
- No data in any field in the EDD should be enclosed in quotation marks.

Table 1: The EDD record format is defined as follows:

Table 1. Chemours/DuPont EIM EDD format				
Field	**Field Name**	**Length**	**VVL**	**Field Contents**
1	**SITE_ID**	10	Yes	Identification ID assigned to the project site in EIM. Has list of values. This will be supplied by the project chemist.
2	*FIELD_SAMPLE_ID*	C30	No	Field Sample number or identifier. Must be left blank for lab-originated samples (e.g., lab control samples, method blanks, blank spikes, etc.). Should be populated for lab duplicates and matrix spikes and duplicates (if the sample that is spiked is the client sample).
3	**LAB_ID**	C10	Yes	Code or identifier for a lab. Has list of values. This will be supplied by the project chemist.
4	**ANALYTICAL_METHOD**	C30	Yes	Analytical method used. Has list of values.
5	**ANALYSIS_DATE**	Date	No	Date of analysis, MM/DD/YYYY.
6	**ANALYSIS_TIME**	Time	No	Time of analysis (HH:MM), military time.
7	**PARAMETER_CODE**	C12	Yes	Analyte CAS Number or other code (for those parameters that do not have a CAS Number). Has list of values. For TICS (RESULT_TYPE_CODE = TIC): • If a positive identification is not made (e.g., Unknown), use "TIC" for PARAMETER_CODE and report PARAMETER_NAME, concentration and retention time as appropriate. • If a positive identification for a TIC is made, use the CAS Number of the identified constituent and report PARAMETER_NAME, concentration and retention time as appropriate. • If no TICs are found, use "NOTICS" for the PARAMETER_CODE, "No TICs Found" as PARAMETER_NAME, "NA" for RETENTION_TIME (Field17) and "ND" for LAB_RESULT (Field 9). • If reporting a Targeted TIC, use EVS number (CASNO created by Chemours/DuPont) for PARAMETER_CODE. Report parameter name as compound (targeted TIC). Example ALLYL ALCOHOL (Targeted TIC). If compound not detected enter "NA" in RETENTION_TIME (Field17) and "ND" in LAB_RESULT (Field 9). If compound detected, report concentration and retention time as appropriate. RESULT_TYPE_CODE should be set to "TRG".
8	**RESULT_TYPE_CODE**	C5	Yes	Code identifying the type of result (TIC, SU, SPK, etc.). Has list of values.
9	*LAB_RESULT*	C10	No	Analytical result. Required of all samples except surrogates and spikes. If not detected, enter the laboratory reporting limit here (MDL or PQL as appropriate). If detected above the MDL and below the reporting limit, enter the result in this field and a "J" in LAB_QUALIFIER. Laboratory will only report one result per sample per parameter unless otherwise instructed by client. Refer to description for Field 7, PARAMETER_CODE for reporting results for TICs.
10	**DETECT_FLAG**	C1	Yes	Coded value (Y or N) indicating whether an analyte was detected in the sample. Required all analytical results.
11	**LAB_UNITS**	C10	Yes	Unit of measure of the result. Has list of values. Enter the units associated with the entry in the LAB_RESULT or SPIKED_RESULT column.
12	*METHOD_DETECTION_LIMIT*	C10	No	Method detection limit. For PQL projects and TICs, leave null. Required for all non-spiked samples for MDL projects.

Table 1. Chemours/DuPont EIM EDD format				
Field	**Field Name**	**Length**	**VVL**	**Field Contents**
13	*LAB_REPORTING_LIMIT [LAB_DETECTION_LIMIT] – Column Name in EIM*	C10	No	Actual reporting limit (i.e., PQL) realized by the lab, adjusted for preparation, dilution, etc. Required for all non-spiked samples. For TICs leave NULL.
14	**LAB_MATRIX**	C10	Yes	Matrix of sample as analyzed by the lab. Has list of values.
15	**LAB_SAMPLE_ID**	C20	No	Internal ID assigned by lab to a sample.
16	LAB_QUALIFIER	C10	No	Laboratory qualifier. Qualifier must match lab report. If a laboratory qualifier is entered in the EDD, this qualifier must also appear in the laboratory report, and visa versa.
17	*RETENTION_TIME*	Time	No	Retention time (MM:SS), required for TICS only. For others enter NA or leave blank.
18	**DILUTION_FACTOR**	C7	No	Dilution factor if the sample was diluted.
19	PREP_METHOD	C20	No	Preparation method (if applicable).
20	PREP_DATE	Date	No	Date of preparation MM/DD/YYYY (if applicable).
21	PREP_TIME	Time	No	Time of preparation HH:MM (if applicable).
22	**ANALYSIS_LOT_ID**	C20	No	Laboratory analysis batch number or ID.
23	**INSTRUMENT**	C20	No	Lab defined identifier for instrument on which analysis was performed.
24	PREP_AMOUNT [INITIAL_PREP_AMOUNT] – Column Name in EIM	C10	No	Amount of sample used in the preparation.
25	PREP_UNITS [INITIAL_PREP_AMOUNT_UNITS] Column Name in EIM	C10	Yes	Unit or measure of sample preparation amount. Has list of values (Lab_Unit valid values).
26	PREP_AMT_BASIS	C5	No	The basis of the weight of the amount of the sample prepared: W or D are the only valid values.
27	**SAMPLE_DELIVERY_GROUP**	C20	No	Laboratory sample delivery group (i.e., lot).
28	LAB_BLANK_SAMPLE_ID	C20	No	ID of laboratory method blank that is associated with the sample identified in the FIELD_SAMPLE_ID and/or LAB_SAMPLE_ID fields. Can be left blank if only one method blank is run with a given prep or analysis lot.
29	ERROR	C10	No	+/- 2-sigma error (pertains to radiological results only)
30	**PARAMETER_NAME**	C60	No	Name of parameter. Any correct synonym is acceptable. TICs may have values such as Unknown, Long Branch Alkane, etc. If no TICs found, report “No TIC Found”.
31	**ANALYSIS_TYPE_CODE**	C5	Yes	Coded value specifying type of analysis (e.g., Initial, Reanalysis, Re-extraction, Dilution, etc.). Has list of values. INIT is most common type.
32	**FILTERED_FLAG**	C1	Yes	Flag to identify whether sample was filtered in the field or by the lab. The only valid values are Y or N.
33	**LEACHED_FLAG**	C1	Yes	Flag to identify whether sample was leached prior to being analyzed. The only valid values are Y and N.
34	LEACHATE_METHOD	C20	Yes	Method used to leach a sample (if applicable).
35	LEACHATE_DATE	Date	No	Sample leachate date MM/DD/YYYY (if applicable).
36	LEACHATE_TIME	Time	No	Sample leachate time (if applicable) HH:MM, military time.
37	SAMPLE_PREP_LOT_ID	C20	No	Laboratory prep lot number or ID (if applicable).
38	LEACHATE_LOT_ID	C20	No	Laboratory leachate lot number or ID (if applicable)

Table 1. Chemours/DuPont EIM EDD format				
Field	**Field Name**	**Length**	**VVL**	**Field Contents**
39	*SAMPLE_DATE*	Date	No	Date sample was collected (field sample) or created in the lab (lab generated QC samples): MM/DD/YYYY
40	**SAMPLE_PURPOSE**	C5	Yes	Coded value identifying purpose of the sample. (e.g., regular sample, Lab Control Samples, Lab Control Sample Duplicates, Method Blanks, Lab Duplicates or Replicates, etc.) or lab-transformed samples (e.g., Matrix Spikes and Duplicates). Has list of values.
41	*ORIGINAL_LAB_RESULT*	C10	No	The concentration of the analyte in the original (unspiked) sample. Should be populated only for matrix spikes and duplicates (MS, MSD, and REPs).
42	SPIKE_ADDED	C10	No	Amount of spike added to sample. Applicable only to spiked samples or surrogates.
43	SPIKED_RESULT	C10	No	Concentration of the analyte in the spiked sample. Applicable only to spiked samples or surrogates.
44	*SPIKE_RECOVERY*	C10	No	Percent recovery. Applicable only to spiked samples or surrogates.
45	*RPD*	C10	No	Calculation of relative percent difference (applicable only to matrix spike duplicates, lab control sample duplicates, and lab replicates or duplicates).
46	*RPD_LIMIT*	C10	No	Upper limit for RPD (percent) (applicable only to matrix spike duplicates, lab control sample duplicates, and lab replicates or duplicates).
47	*UPPER_LIMIT*	C10	No	Upper spike recovery control limit (in percent). Applicable to surrogates or spiked samples only.
48	*LOWER_LIMIT*	C10	No	Lower spike recovery control limit (in percent). Applicable to surrogates or spiked samples only.
49	*LAB_ARRIVAL_DATE* [LAB_RECEIPT_DATE] - Column Name in EIM	Date	No	Date that the sample arrived at the lab (mm/dd/yyyy). Required for field samples only.
50	*LAB_ARRIVAL_TIME* [LAB_RECEIPT_TIME] – Column Name in EIM	Time	No	Time that the sample arrived at the lab (HH:MM). Required for field samples only.
51	HARD_COPY_DUE_DATE	Date	No	Hardcopy lab report due date.
52	RUSH_TAT	C1	No	Specify if sample was submitted as “Rush” – valid values for this field are Y and N.
53	EDD_DUE_DATE	Date	No	Date (mm/dd/yyyy) the EDD (electronic data deliverable) is due.
54	SUBCONTRACT [ANALYSIS_SUBCONTRACTED_FLAG] – Column Name in EIM	C1	No	Enter Y (Yes) if analysis was performed by a subcontractor lab. Otherwise, field can be left blank. The only valid values are Y or NULL.
55	SUBCONTRACT_LAB_ID	C10	Yes	Code or identifier for the subcontract lab. Has list of values. Prior approval is required by client to use subcontract lab. Client will provide Subcontract_Lab_ID.
56	**LAB_REPORTING_LIMIT_TYPE**	C10	Yes	Coded value identifying the type of reporting limit (e.g., practical quantitation limit, method detection limit, etc.). Only valid values are PQL or MDL.
57	**BASIS**	C3	Yes	Basis for reporting the result. Only valid values are W, D, or N.

Table 1. Chemours/DuPont EIM EDD format				
Field	**Field Name**	**Length**	**VVL**	**Field Contents**
Notes:				
a. Fields in Bold Regular font are required for all records (e.g., LAB_ID).				
b. Fields in Italic font are required for various subsets of samples and/or analyses.				
c. Fields In Regular font are optional.				