COMBINED PHASE I AND II REMEDIAL INVESTIGATION WORK PLAN ADDENDUM

Ardee Translite

Shelby, Cleveland County North Carolina

NCDENR Site ID # NONCD0002881

Prepared for:

Genlyte Thomas Group LLC
3 Burlington Woods Drive
Burlington, MA 01803

Prepared by:

AECOM North Carolina, Inc.
701 Corporate Center Drive, Suite 475
Raleigh, SC 27607

April 2014

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2
IHSB SITE NAME Ardee Translite, 639 Washburn Switch Road, Shelby, NC
DATE & NAME OF DOCUMENT April 2014 RI Work Plan Addendum
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Genlyte Thomas Group
Name of Remediating Party

Signature of Remediating Party

28 April 2014
Date

NOTARIZATION

Pennsylvania (Enter State)
Clinton COUNTY

I, Tracy Smith, a Notary Public of said County and State, do hereby certify that Jesse J. Overgord did personally appear and sign before me this day, produced proper identification in the form of PA Drivers License was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 28 day of April, 2014

Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: Jan. 8, 2016

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Tracy Smith, Notary Public
Bald Eagle Twp., Clinton County
My Commission Expires Jan. 8, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Document Certification Form No. DC - I
(Revised 8/11)

PHILIPS

Genlyte Thomas Group LLC

POWER OF ATTORNEY

The undersigned, Genlyte Thomas Group LLC, a Delaware limited liability company, having an address at 3000 Minuteman Road, Building One, MS 109, Andover, Massachusetts 01810 ("the Company"), hereby appoints: **Jesse Overgord**

as attorney-in-fact with authority to do the following in the name of and on behalf of the Company:

1) To execute any and all reports, filings, documents, waste manifests, certifications and other documents required to be made by the Company to any third party, including but not limited to, governmental agencies, waste disposal companies, remediation services companies and others, in regard to environmental activities pursuant to the governing laws, rules, regulations, consent orders, and any related permits, for environmental projects conducted by or on behalf of the Company.

2) To take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required on behalf of the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully as the undersigned might or could do if personally present, hereby ratifying and confirming all that such attorney-in-fact, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted.

Local, State and Federal agencies and other third parties are authorized to rely on a photocopy or facsimile of this Power of Attorney to the same extent as the original.

This Power of Attorney shall remain in full force and effect until revoked in writing.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed on September 12, 2013.

Genlyte Thomas Group LLC

By:_____
Name: Joseph E. Innamorati
Title: Vice President

LORI SIMEONE
NOTARY PUBLIC
CONNECTICUT
MY COMMISSION EXPIRES
3/31/2015

Sworn to and Subscribed Before Me
On this 12th day of September, 2013.

Lori Simeone
Notary Public

3000 Minuteman Road, Building One
Andover, MA 01810

978-659-4636
joseph.innamorati@philips.com

IHSB SITE NAME Ardee Translite, 639 Washburn Switch Road, Shelby, NC
DATE & NAME OF DOCUMENT RI Work Plan Addendum - April 2014
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

David R. Oliphant
Name of Registered Site Manager

Signature of Registered Site Manager — Date: 4-29-14

REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

David R. Oliphant
Name of Registered Site Manager

Signature of Registered Site Manager — Date: 4-29-14

NOTARIZATION

South Carolina (Enter State)

Greenville COUNTY

I, Catherine R. Greer, a Notary Public of said County and State, do hereby certify that David R Oliphant did personally appear and sign before me this day, produced proper identification in the form of SC Drivers License, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 29 day of April, 2014.

(OFFICIAL SEAL)

Notary Public (signature)

My commission expires: 9/29/14.

REMEDIAL INVESTIGATION WORK PLAN ADDENDUM

April 2014

Prepared By Dave Oliphant, CHMM RSM

Reviewed By Mark Hartford, PG

NORTH CAROLINA LICENSED SEAL 1921 GEOLOGIST MARK HARTFORD

TABLE OF CONTENTS

Section Page

List of Figures ii

List of Tables ii

1.0 INTRODUCTION 1-1
1.1 Background and Overview 1-1
1.2 Purpose of this RIWP Addendum 1-2
1.3 Document Organization 1-2

2.0 SITE DESCRIPTION, BACKGROUND INFORMATION, AND SUMMARY OF RI DATA (TO DATE) 2-1
2.1 Site Description 2-1
2.2 Background Information 2-1
2.3 Adjacent Property Owners 2-1
2.4 Summary of Phase I RI Data and Delineation to Date 2-2
2.4.1 Constituents of Concern for the Site 2-2
2.4.2 Analytical Parameters which are Not Constituents of Concern for the Site 2-2
2.4.3 Discussion of Metals Data to Date for Soil and Groundwater 2-3
2.4.4 Groundwater Flow Directions at the Site 2-5
2.4.5 Horizontal and Vertical Extent of Hazardous Substance Releases 2-5
2.5 Remaining Areas of Concern 2-8
2.6 Data Gaps in the RI Data Set 2-8

3.0 PROPOSED METHODS OF ADDITIONAL INVESTIGATION 3-1
3.1 Sampling Rationale and Locations [.0306(g)(14) and (15)] 3-1
3.1.1 Source Area Additional Assessment 3-1
3.1.2 Area Downgradient of Well MW-9 3-3
3.1.3 Metals in Soil 3-3
3.1.4 Well MW-10 Area 3-4
3.2 Treatability Study for Groundwater (and Soils if a Source Area is Found) 3-4
3.3 Sample Collection Procedures and Methods 3-4
3.3.1 Soil Sampling Methods 3-4
3.3.2 Groundwater Sampling Methods 3-5
3.3.3 Vapor Intrusion Approach and Evaluation Methods 3-6
3.4 Field and Laboratory Procedures [.0306(g)(16)] 3-7
3.5 Analytical Parameters and Methods [.0306(g)(17)] 3-8
3.6 Decontamination Procedures 3-8
3.7 Community Health and Safety Plan [.0306(g)(19)] 3-8
3.8 Anticipated Schedule of RI Work Plan Addendum Activities 3-9

4.0 REFERENCES 4-1

List of Figures

Figure	Title
2-1	Site Location Map
2-2	Site, Surrounding Parcels, Land Use, and Private Water Well Observations
2-3	Soil Sampling Locations to Date: 2011 - 2013
2-4A	Potentiometric Contour Map: October 29, 2013
2-4B	Potentiometric Contour Map: December 16, 2013
2-5	Tetrachloroethene (PCE) in Groundwater: May - December 2013
2-6	Trichloroethene (TCE) in Groundwater: May - December 2013
2-7	1,1-Dichloroethene (1,1-DCE) in Groundwater: May - December 2013
2-8	1,4-Dioxane in Groundwater: May - December 2013
2-9	Surface Water and Sediment Sample Locations: RI Implementation
3-1	Proposed Additional RI Soil and Contingent Soil Gas Sampling Locations
3-2	Proposed Additional RI Monitoring Wells
3-3	Proposed Additional RI Off-Site Monitoring Wells

List of Tables

Table	Title
2-1	Surrounding Property Owners and Land Uses
2-2	Summary of Soil Analytical Background Data
2-3	Summary of Soil Analytical Data – 2012 and 2013
2-4	Summary of Groundwater Analytical Data – 2011 through 2013
2-5	Summary of Sediment Analytical Data – 2013
2-6	Summary of Surface Water Analytical Data – 2013
2-7	Summary of Added Data Qualifiers
3-1	Proposed Additional RI Soil and Contingent Soil Gas Sampling Locations
3-2	Proposed Additional RI Groundwater Sampling Locations

1.0 INTRODUCTION

1.1 Background and Overview

A (combined) Phase I (and Phase II) Remedial Investigation Work Plan (RIWP) was completed in September 2013 by AECOM North Carolina, Inc. (AECOM), on behalf of the Genlyte Thomas Group (Genlyte Thomas), for the Ardee Translite facility, located at 639 Washburn Switch Road, Shelby, Cleveland County, North Carolina (the "Site"). The RIWP was prepared in accordance with the requirements of the North Carolina Inactive Hazardous Waste Site rules (15A NCAC 13C) and follows the procedures provided in the most recent guidance documents available (NCDENR, 2012). This guidance document was developed by the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM) Superfund Section, Inactive Hazardous Sites Branch (IHSB).

The combined document (RIWP) of September 2013 contains the following:

- Investigation Objectives (Section 1.2 of RIWP)
- Summary of Data Gaps from Previous Investigations (Section 1.3 of RIWP)
- Site Description and Background Information (Sections 2.1 through 2.13 of RIWP)
- Summary of partial Phase I Remedial Investigation (RI) Results and Delineation to Date (Section 2.14 of RIWP)
- Sampling Rationale and Locations (Section 3.1 of RIWP)
- Sample Collection Procedures and Methods (Section 3.2 of RIWP)
- Field and Laboratory Procedures (Section 3.3 of RIWP)

The RIWP was implemented during field activities performed in October and November 2013. Resampling of several of the existing wells and some of the wells installed in October/November 2013, along with some additional soil sampling, was performed on December 16, 2013. As a result of those investigations, a few data gaps were identified with respect to delineation of the groundwater impact at the facility. Therefore, this RI Work Plan Addendum (RIWP Addendum) was developed.

1.2 Purpose of this RIWP Addendum

This RIWP Addendum addresses the following identified data gaps regarding delineation of the groundwater plume:

- Define the horizontal extent of constituent exceedences of the North Carolina 2L groundwater standards for the groundwater plume, in two areas of the Site (i.e., the area beyond existing well MW-9, and the area beyond existing well MW-11). .

- Define the vertical extent of constituent exceedences of the North Carolina 2L groundwater standards for the groundwater plume, in two areas of the Site (i.e., the area beyond existing well MW-9, and the area beyond existing well MW-11).

- Determine if an off-site release of groundwater in concentrations exceeding the 2L standards has occurred, and if so, define the horizontal and vertical extent of that release (in the area beyond existing well MW-11).

- Further evaluate the potential for shallow soil samples to leach metals, using the toxicity characteristic leaching procedure (TCLP) analysis, in several areas of the site.

- Further evaluate migration of tetrachloroethene onto the Site in the well MW-10 area from the adjacent parcel

1.3 Document Organization

This RIWP Addendum has been organized as follows:

- Section 1 – Introduction

- Section 2 – Site Description and Background Information (incorporating some of the RIWP by reference) and Summary of RI Data to Date

- Section 3 – Methods of Additional Investigation

2.0 SITE DESCRIPTION, BACKGROUND INFORMATION, AND SUMMARY OF RI DATA (TO DATE)

In this section, the site description and background information are referenced. Soil and groundwater data from data summary tables are discussed.

2.1 Site Description

The Site is located at 639 Washburn Switch Road, Shelby, Cleveland County, North Carolina at the location shown in Figure 2-1. The property is currently owned by Genlyte Thomas and occupied by Ardee Translite. It is currently used for assembly of lighting fixtures, sheet metal fabrication, warehousing, and administrative functions. The Site is developed with one 126,000 square feet building, of which approximately 23,200 square feet is office space, and it presently houses an industrial facility that assembles lighting fixtures on an approximately 37-acre tract. Approximately 5.4 acres of the tract are developed. The current facility was constructed in 1960.

2.2 Background Information

Historical records indicated that an aboveground storage tank (AST) for storing 1,1,1-trichloroethane (TCA) was installed in 1986 just outside the south side of the building on the edge of the paved parking lot. This solvent reportedly was used from 1986 to 1993 as a degreaser. In 1993, TCE replaced 1,1,1-TCA as the degreaser solvent. An in-line vapor degreaser was situated just inside the building inside a concrete sump area. As part of the facility's lighting manufacturing process at that time, steel or aluminum was received in rolls, uncoiled, and then stamped, pressed, and formed into required shapes for decorative lighting. These fabricated metal parts were hung on steel hooks on a conveyor line and were transported through the on-line vapor degreaser and then through a paint dip tank. Then, the parts were spray painted if necessary and passed through two electric drying ovens. The degreaser reportedly had a 55-gallon solvent capacity with a 55-gallon reserve tank. This process, using TCE as the degreaser, was operating at the time of a June 1996 environmental assessment site visit. Vapor degreasing operations reportedly were discontinued by 2001, and painting operations ceased by 2003, although a small paint booth was still present in December 2004 for small touch up painting. Current Ardee Translite facility personnel stated in July 2003 that no degreasing operations have been conducted since the early 2000s, and no painting operations other than touch up with an aerosol paint can have been performed on site since the mid-2000s.

2.3 Adjacent Property Owners

Table 2-1 shows the names and addresses of adjacent property owners. A cross-referencing showing the locations of the nearby tracts appears in Figure 2-2.

2.4 Summary of Phase I RI Data and Delineation to Date

Analytical RI data generated to date appear in the following tables including in this RIWP Addendum.

- Background soil data: Table 2-2
- Soil data: Table 2-3
- Groundwater data: Table 2-4
- Sediment data from adjacent creek: Table 2-5
- Surface water data from adjacent creek: Table 2-6

Data qualifiers related to these data tables are summarized in Table 2-7.

2.4.1 Constituents of Concern for the Site

The constituents of concern in soil and groundwater present at the site include the following:

- Volatile Organic Compounds (VOCs): Chlorinated solvent VOCs, consisting of 1,1,1-TCA, trichloroethene (TCE), and tetrachloroethene (PCE) and their degradation products or con-constituents (particularly degradation product 1,1-dichloroethene [DCE]) or co-constituent 1,4-dioxane).

2.4.2 Analytical Parameters which are Not Constituents of Concern for the Site

- Metals: All metals detected at this site are believed to be naturally-occurring. No metal plating or other metal manufacturing operations other than cutting and painting of rolled steel sheets is known to have been conducted at this facility. Discussion of metals data to date for soil and groundwater appears in Section 2.4.3.

- Semivolatile Organic Compounds (SVOCs): SVOC sampling and analysis to date does not identify any exceedences of preliminary soil remediation goals (PSRGs) or groundwater 2L standards; as a result, SVOCs are not considered to be constituents of concern.

- Other Constituents: There is no known historic or current usage or management of pesticides, PCBs, dioxins, cyanide, formaldehyde, nitrates, nitrites, ammonia,

phosphorus or other Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substance at the Site, based on the chemical usage history, other than maintenance and janitorial chemicals in small quantities or sanitary wastes in the previously-used septic tank. None of those substances are considered to be constituents of concern.

The previous and remaining areas of concern at the site are shown in Figure 2-3 and subsequent figures.

2.4.3 Discussion of Metals Data to Date for Soil and Groundwater

The locations of soil sampling points at the site to date are shown in Figure 2-3. Soil background locations for the site are identified as follows: BG-1, BG2, BG-3, BG-4A, BG-5A, BG-8A, and BG-9A. Background soils concentrations are calculated in Table 2-2.

Investigative soil data collected to date are shown in Table 2-3. The following metals exceed the PSRGs and the background soil concentration at one or more sampling locations: antimony, arsenic, cadmium, cobalt, iron, manganese, selenium, silver, thallium, and vanadium. A brief discussion of each of these metals, using criteria contained in the document "Registered Environmental Consultant Program: Implementation Guidance." December 2013 (NCDENR, 2013), appears below. Expanded discussion will occur in the RI Report.

Antimony: Detected antimony concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 3.1 to 5.0 mg/kg, and all values were J-flagged, indicating that the concentration was estimated below the quantitation limit. The four locations where exceedences occurred are in three different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Antimony does not have a 2L standard for groundwater; the only groundwater sample on site where antimony was detected was a well MW-2 in 2012. It was not detected in that well in the 2013 sample.

Arsenic: Detected arsenic concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 8.9 to 29 mg/kg. The locations where exceedences occurred are in four different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Sample BG-8 at 0 to 0.5 feet below ground surface (bgs), clearly in a background area of the site, had an arsenic concentration of 12.7 mg/kg, exceeding the site-specific background value of 8.0 mg/kg. At the highest concentration point, MW-3 (29 mg/kg), adjacent samples BG-3A and BG-3B did not exceed background concentrations.

Cadmium: Detected cadmium concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 3.5 to 6.1 mg/kg. The five locations where exceedences occurred are in two different areas of the site, and there are samples collected

from the same two areas that do not exceed the screening levels. Cadmium has not been detected in any groundwater samples collected on site to date.

Cobalt: Detected cobalt concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 7.2 to 11 mg/kg with the exception of a 44 mg/kg value reported a location SB-7 in 2012. The locations where exceedences occurred are in five different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Trace cobalt concentrations have been detected in some groundwater samples on site to date; there is no 2L standard for cobalt.

Iron: Detected iron concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 81,000 to 140,000 mg/kg. The exceedence locations occur all over the site, and there are samples collected from the same areas that do not exceed the screening levels. Iron is also present in three groundwater samples at concentrations exceeding the 2L standard: (1) at well MW-3, where a previous Synthetic Precipitation Leaching Procedure (SPLP) sample did not contain iron, (2) at bedrock well MW-7D-BR, where the saprolite sample did not exceed the 2L standard, and (3) at well MW-9.

Manganese: Detected manganese concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 350 to 1600J mg/kg, and all values were J-flagged. This constituent exceedence occurs at many locations around the site, and 2L standard exceedences also occur in some groundwater sample. However, there are soil and groundwater sampling locations in the same areas as the exceedences, where the PSRGs are not exceeded.

Selenium: Detected selenium concentrations in soil exceeding the PSRG and site-specific background occurred at two locations only, at concentrations of 2.7 and 3.7 mg/kg, and both values were J-flagged estimated concentrations. The two locations where exceedences occurred are in different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Selenium has not been detected in any groundwater sample to date.

Silver: Detected silver concentrations in soil exceeding the PSRG and site-specific background occurred at two locations only, at concentrations of 3.8 and 4.9 mg/kg. The two locations where exceedences occurred are in different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Silver has not been detected in any groundwater sample to date.

Thallium: The only detected thallium concentration in soil exceeding the PSRG and site-specific background occurred at a rejected data point, the duplicate sample for point SB-SA-7 collected in 2012. Since this point was rejected as an outlier, and there is no 2L standard for thallium in

groundwater, thallium is no longer listed as a metal exceeding the screening criteria in soil or groundwater.

Vanadium: Detected cobalt concentrations in soil exceeding the PSRG and site-specific background occurred at concentrations ranging from 140 to 200 mg/kg. The locations where exceedences occurred in four different areas of the site, and there are samples collected from the same areas that do not exceed the screening levels. Trace vanadium concentrations have been detected in some groundwater samples on site to date; there is no 2L standard for vanadium.

As part of RI Addendum activities, TCLP data will be collected and analyzed during the RI addendum investigation phase, as discussed in Section 3.0.

2.4.4 Groundwater Flow Directions at the Site

Additional groundwater monitoring wells were installed in October 2013 and surveyed in November 2013. Potentiometric contour maps were developed for the monitoring dates of October 29, 2013 (Figure 2-4A) and December 16, 2013 (Figure 2-4B). As indicated in the figures, there appears to be a groundwater flow divide in the middle of the site, located to the east of the suspected VOC source areas (former degreaser and former AST/spill area). Groundwater to the east of the divide (represented by monitoring wells MW-1 and MW-8) does not show any exceedences of the 2L standards for VOCs, whereas groundwater to the west of the divide (represented by wells MW-4 and particularly wells MW-2 and MW-11 have exceedences of the 2L standards for VOCs. Figures 2-5, 2-6, 2-7, and 2-8 illustrate the concentrations and estimate groundwater plume locations for PCE, TCE, 1,1-DCE, and 1,4-dioxane, respectively.

Discussion: These data indicate that the VOC plume has migrated only to the west of the divide and not to the east of the divide.

2.4.5 Horizontal and Vertical Extent of Hazardous Substance Releases

Figures 2-5, 2-6, 2-7, and 2-8 show the concentrations and groundwater plumes for PCE, TCE, 1,1-DCE, and 1,4-dioxane, respectively. These figures illustrate the data to date used to evaluate the horizontal and vertical extent of VOCs in groundwater in the various areas of the site.

2.4.5.1 Former TCE Solvent Degreaser/Former 1,1,1-TCA AST/Spill Area

(a) Horizontal and Vertical Extent of VOCs in Soil: Soil data from spatial borings SB-1 through SB-6, installed in 2012, did not reveal any soils impacted by VOCs in surface

soils in this area. The only VOCs exceeding the PSRGs in this area were (1) 1,4-dioxane, detected at 150 ug/kg at location SB-2-20-21 (depth of 20 to 21 feet bgs in the groundwater smear zone) and (2) PCE (9.5 mg/kg) at point SB-SA-10-0.5-1, compared with the PSRG of 5 mg/kg.

Discussion: There is no evidence that VOCs in soil have migrated downgradient on the known spill area and the former AST, and the horizontal and vertical extent of VOC in soil in this area are considered to be defined.

(b) Vertical Extent of VOCs Groundwater: At the two deepest wells in this area, MW-2D and MW-4D, no exceedences of the 2L standards for groundwater have occurred.

Discussion: The vertical extent of VOCs in groundwater in this area is defined.

(c) Horizontal Extent of VOCs in Groundwater: The horizontal extent of VOCs in groundwater has been defined in two sidegradient directions/locations, since no VOC exceedences of the PSRGs occurred in these areas: (1) at wells MW-1 and MW-8 to the southeast of the source area, and (2) at well MW-3 to the southwest of the source area. In the directly downgradient direction at well MW-11, VOCs exceedences occurred for the following constituents: PCE at 4.9 and 5.5 ug/L (Figure 2-5), 1,1-DCE exceeding the 2L standard of 350 ug/L at 400 ug/L (Figure 2-7), and 1,4-dioxane at 798, 210, and 250 ug/L (Figure 2-8). This well is located within 30 feet of the property boundary.

Discussion: The horizontal extent of VOCs exceeding the 2L standards in groundwater is not defined in the downgradient direction from the source area.

2.4.5.2 Former Septic Tank Area

(a) Vertical Extent of PCE in Groundwater: At bedrock well MW-7-BR, installed in October 2013, no exceedence of the 2L standards occurred in groundwater from this well.

Discussion: The vertical extent of VOCs in groundwater in this area is considered to be defined.

(b) Horizontal Extent of PCE in Groundwater: Downgradient wells MW-6 (2012 and 2013) and TW-5 (2011) did not indicate any exceedences of the 2L standards (Figure 2-5), showing that the PCE plume has not migrated in that direction. At well MW-9, installed in October 2013, PCE concentrations exceeded the PSRG in the saprolite. However, at well MW-10, installed near the north property line in October 2013 as the site background/upgradient well, PCE concentrations also exceeded the PSRGs in October

and December 2013. Based on the October 2013 potentiometric map (Figure 2-4A), it is very possible that the PCE plume has migrated onto the site from an upgradient source. Piedmont Components, a wood truss manufacturing firm, has operated on that site for a number of years, and there are other current or former manufacturing facilities farther upgradient. The December 2013 potentiometric data (Figure 2-4B) show that a fluctuation in groundwater flow direction might be occurring.

Discussion: Additional groundwater monitoring events need to be performed to confirm the predominant flow direction in this area. Also, the horizontal extent of PCE and 1,4-dioxane at well MW-9 is not defined.

2.4.5.3 Former TCE Indoor Drum Storage and Former Outdoor Paint Burn Area

(a) Horizontal and Vertical Extent of VOCs in Soil and Groundwater: Analysis of soil samples at boring locations SB-SA-1 through -6, -10 through -15, and -17 through -20 in and downgradient of this area did not reveal any VOC exceedences in excess of the PSRGs. No exceedences of the 2L standards for VOCs occurred at well MW-4 in February or October 2013. The federal MCL for 1,1-DCE was exceeded at well MW-4 (upper saprolite) but not at deeper well MW-4D (lower saprolite), and the 2L standards were not exceeded at downgradient well MW-3.

Discussion: These two areas (Former Indoor TCE Drum Storage Area and Former Alleged Outdoor Paint Burning Area) are no longer areas of concern.

2.4.5.4 Former NPDES Discharge at the Unnamed Creek

(a) The facility formerly operated under a National Pollutant Discharge Elimination System (NPDES) discharge permit, which was rescinded by NCDENR in 2010, after the sanitary wastewater was routed directly to the publicly owned treatment works (POTW). Prior to 2010, sanitary wastewater historically was run through a septic tank and sand filter and then chlorinated before being discharged to the unnamed creek tributary along the western boundary of the site. Non-contact cooling water was discharged directly to the creek. Sampling of creek sediment in October 2013 (Table 2-5) did not reveal any exceedences of the upgradient/upstream concentrations for metals or other constituents. Surface water sampling (Table 2-6) did not reveal any exceedences of the upstream concentration for metals or other constituents.

(b) Discussion: Pending ecological screening of sediment data, which will occur as part of the RI Report preparation, this unit is no longer considered to be an area of concern.

2.5 Remaining Areas of Concern

Based on the analytical data, the following areas of concern at the site still remain:

- Former 1,1,1-TCA AST/Former TCA Spill Area/Former Indoor Solvent Degreaser (contiguous locations)
- 1,4-dioxane (approximately 40 ug/L) and PCE (< 5 ug/L) in groundwater at Well MW-9

Based on soil and groundwater data collected to date, areas of the site that are no longer areas of concern are the following: (1) former indoor TCE drum storage area, (2) former outdoor paint burn area, (3) former septic tank area, and (4) former NPDES discharge at the unnamed creek.

Additional sampling during the RI is planned for the following areas, even though they are not or no longer areas of concern:

- Well MW-10 area, where it is possible that PCE in groundwater has migrated onto the property from the adjacent industrial parcel.
- Well MW-7 and MW-3 areas, for TCLP data to evaluate leachability of soils to groundwater.

2.6 Data Gaps in the RI Data Set

The following data gaps in the RI remain at the areas of concern listed above, after the October through December 2013 sampling and monitoring events:

- Determination of the horizontal extent of VOCs in groundwater downgradient of well MW-11
- Determination of the vertical extent of VOCs in groundwater at and downgradient of well MW-11
- Finding of a soil source for 1,4-dioxane and 1,1-dichloroethene in groundwater downgradient of the former 1,1,1-TCA AST/former TCE degreaser
- Determination of the horizontal and vertical extent of 1,4-dioxane and PCE in groundwater downgradient of well MW-9
- Completion of the vapor intrusion evaluation requirements

The additional investigations for these areas and media are discussed in Section 3.0.

3.0 METHODS OF ADDITIONAL INVESTIGATION

This section of the Phase I RIWP addresses additional information necessary to complete the RI Report for the Site as defined by the Administrative Agreement.

Section 3.1 provides the rationale for completing the RI to address the data gaps identified in Section 2.6 for the areas of concern at the Site. Section 3.2 references a brief treatability study work plan brief for groundwater for treatment of 1,4-dioxane. Sections 3.3 through 3.7 reference the RI Work Plan for standard procedures to be followed during future sampling and monitoring events.

3.1 Sampling Rationale and Locations [.0306(g)(14) and (15)]

Data generated from previous investigation phases indicated the presence of various VOCs and metals in site soil and groundwater at the areas of concern listed in this section. The sampling rationale to address data gaps for each of these areas of concern are summarized in this section. Proposed additional soil (and contingent soil gas) and groundwater assessment locations on site are shown in Figures 3-1 and 3-2, respectively. Off-site or near property line locations are shown in Figure 3-3. Tables 3-1 and 3-2 for soil (and contingent soil gas) and groundwater, respectively, show the depths at which soil samples will be collected and the soil and groundwater parameters which will be analyzed.

3.1.1 Source Area Additional Assessment

These are three contiguous areas, part of which is outdoors and part indoors: (1) the former indoor solvent degreaser pit, (2) the outside area in the vicinity of the Former 1,1,1-TCA degreaser, and (3) the area downgradient of and off-site beyond existing well MW-11. Data gaps in these areas will be addressed as discussed below.

3.1.1.1 Former Indoor Solvent Degreaser Pit

(a) RI Addendum Work Scope:

- Install one additional soil boring(s) adjacent to or upgradient of a previous boring inside the building. Collect soil samples at 14-15 foot and 20-21 foot intervals, since boring SB-DG-1 was advanced only to 10 feet below ground surface (bgs). Analyze soil samples for VOCs, including 1,4-dioxane by the low SIM method. This boring will be designated as point MW-12 (because a monitoring well will be installed there).

- Install monitoring well MW-12 at this location. This well will extend to a depth of geoprobe refusal (at least 30 feet bgs) or to a maximum depth of 40 feet bgs. Sample

for VOCs and for 1,4-dioxane using the low SIM method. The exact location of the soil boring and monitoring well will be determined in the field.

- Attempt one additional soil boring farther back (to the north) into this part of the building, if the drilling rig can access this. Otherwise, core through the floor and take 1 to 2 soil samples using a hand auger to a maximum depth of 2 to 3 feet bgs. Screen samples for VOCs with a photoionization detector (PID), and collect samples at those intervals (0.5 to 1 foot and 2 to 3 feet bgs, if the PID indicates impact).

- Complete the vapor intrusion requirements in this area of the building. Vapor intrusion screening, followed by soil gas, soil, and/or indoor air sampling will be conducted. The contingent locations are shown in Figure 3-1. Up to three subslab locations are indicated (points SG-1 through SG-3). Point SG-3 is actually located in the vicinity of well MW-4. Steps to be performed will be determined in the field, based on the groundwater screening to be conducted by NCDENR prior to the field work. A background soil gas location will be installed and sampled; this location (SG-BG) is currently anticipated to be between existing well MW-6 and former well TW-5.

3.1.1.2 Outside Area in the Vicinity of the Former 1,1,1-TCA AST

(a) RI Addendum Work Scope:

- Collect up to six soil samples in the vicinity of the former AST, to look for a VOC soil source that could be responsible for groundwater concentrations of the 1,1-DCE and1,4-dioxane detected in source area well MW-2 and downgradient well MW-11. Screen samples with a PID, and collect soil samples at highest reading in the borehole samples, but only if that same sample has a PID reading of greater than 20 ppm. Boring nomenclature will be SB-SA-21 through SB-SA-26. One or more borings may be located inside the building. Samples will be analyzed for VOCs and 1,4-dioxane.

3.1.1.3 Downgradient or Off-Site Beyond Existing Well MW-11

(a) RI Addendum Work Scope:

- Install at least two additional saprolite wells on the off-site parcel: Wells MW-14 and MW-15 will be installed approximately 150 feet downgradient of well MW-11, contingent on getting signed access agreements from adjacent property owner, and with the property owner beyond that parcel, which is the North Carolina Department of Transportation (DOT). The approximate locations of the off-site samples are shown in Figure 3-3. These new wells will be shallow saprolite wells, installed to a maximum depth of 40 feet bgs or to geoprobe refusal, assuming that the geoprobe can penetrate

to at least 30 feet bgs. Pre-packed 2-inch diameter screens will be used, and the wells will be completed with a well vault and flush mounted surface completions. Groundwater will be sampled for VOCs, including 1,4-dioxane. Additional saprolite wells beyond wells MW-14 and MW-15 (nomenclature will continue with well MW-16 if necessary) will be installed if needed.

- Install one or more bedrock wells, if VOC concentrations exceeding the 2L standards are detected in the two saprolite wells: Install wells MW-14D and/or MW-15D, deep saprolite or shallow bedrock wells, paired with one or both of the off-site wells, only if exceedences of the 2L standards are found at well MW-14 and/or MW-15. Otherwise, install deep saprolite or bedrock well MW-11D, paired with on site well MW-11, to evaluate the vertical extent of VOCs on site and near the property line. Additional off-site bedrock wells will be installed as necessary, to define the extent of contamination.

3.1.2 Area Downgradient of Well MW-9

(a) RI Addendum Work Scope

- Install one additional saprolite well downgradient of existing well MW-9: The purpose of this on-site well is to evaluate if VOCs in excess of the 2L standard are present at or near the property line in the southwest part of the site where shown in Figure 3-3. This well, designated as MW-13, will be installed with a Geoprobe rig, using a prepacked 2-inch diameter well screen, 10 feet long. This well will be sampled for VOCs and for 1,4-dioxane using the low SIM method.

- Install one additional vertical delineation well in this area: The deeper well would be a deep saprolite or shallow bedrock well, paired either with well MW-9 or well MW-13. This well will be sampled for VOCs and for 1,4-dioxane using the low SIM method.

3.1.3 Metals in Soil

(a) RI Addendum Work Scope

- Collect additional leachate data using the TCLP method: TCLP samples will be collected at locations adjacent to wells MW-2, MW-9, and MW-7B. The TCLP leachate will be analyzed for TAL metals, not just the RCRA 8 metals. Total metals samples will be analyzed for each of these locations. These data will be used to compare on site metals data in soil, to evaluate the potential for those soils to leach metals to groundwater in concentrations in excess of the 2L standards.

3.1.4 Well MW-10 Area

(a) RI Addendum Work Scope

- Install on new saprolite well: This new shallow saprolite well, denoted as well MW-16, will be installed to evaluate groundwater flow direction and PCE concentrations in groundwater. The well will be sampled for VOCs only. This is not a 1,4-dioxane area.

3.2 Treatability Study for Groundwater (and Soils if a Source Area is Found)

A treatability study for groundwater, and soil if a source area for the 1,4-dioxane is planned at this time. This will be a bench/laboratory scale study and probably will be conducted after the last RI field mobilization, at which time soil and groundwater samples would be collected. The treatability study work plan will be developed and submitted with a future document.

3.3 Sample Collection Procedures and Methods

3.3.1 Soil Sampling Methods

This subsection discusses field screening techniques, sample collection methods and depths, and background metals approach and methods.

3.3.1.1 Field Screening Techniques

Since VOCs are the primary constituent of concern at this site, soil samples will be screened in the field for VOCs using a photo ionization detector (PID). Samples will be placed in zip-lock plastic bags and the headspace allowed to equilibrate before an organic headspace reading is collected. One of the criteria for choosing samples for laboratory analysis is use of the field screening data.

3.3.1.2 Sample Collection Methods

For subsurface soil sampling, continuous soil core sampling will be conducted using a geoprobe, or discrete interval soil samples will be collected using an auger rig. Surface soil samples may be collected using a hand auger or a geoprobe or auger rig.

3.3.2 Groundwater Sampling Methods

3.3.2.1 Monitoring Well Installation Methods

Shallow groundwater monitoring wells will be installed using Geoprobe or hollow stem auger drilling methods with possible supplemental air rotary drill out if the well enters the PWR zone. Each saprolite or PWR well will be constructed as a Type II well with 2-inch diameter PVC casings and 10-foot long PVC screens. Shallow wells will be used to monitor the deep saprolite and top of PWR zones. The maximum depth of the shallow wells will be approximately 40 feet bgs.

Deep monitoring wells in the bedrock will be constructed as Type III wells with inner and outer casings. A combination of hollow stem auger and air rotary drilling methods will be used to install a 6-inch diameter outer casing grouted at least five feet into competent bedrock. The borehole will then be advanced into competent rock below the outer casing using air rotary drilling methods. Drilling will continue until one or more water-bearing fracture zones are encountered. The inner well casings will consist of PVC materials and a 5-foot or 10-foot PVC screen will be used. Total depths of the deeper wells are estimated to range from 55 feet to 80 feet bgs, depending on depths to top of bedrock and fracture depths.

After well construction is completed, most likely with a surface completion and well vault, each new well will be developed by pumping and/or surge block methods to remove sediment and develop the well sand pack around the screens. Purge water will be contained in metal DOT-rated drums pending analysis and off-site disposal. The top each well and adjacent ground surface will be surveyed for elevation and location by a professional land surveyor.

3.3.2.2 Field Screening Techniques

Color-Tec® field screening methods can be used as needed as a groundwater screening tool for the presence of chlorinated VOCs. Soil samples screened for organic vapor using a photoionization detector is another screening technique that can be used to locate groundwater monitoring wells, as required.

3.3.2.3 Groundwater Sampling Procedures

After the wells are completed, they will be gauged for water levels and sampled at least one week later. The groundwater samples will be collected using low-flow purging and sampling technique in accordance with the EPA standard operation procedures (SOPs). Prior to sampling, static groundwater elevation measurements will be recorded from each monitoring well. Field water quality parameters of pH, dissolved oxygen, specific conductance, temperature, and oxidation reduction potential (ORP) will be measured during purging and sampling.

3.3.3 Vapor Intrusion Evaluation Approach and Methods

The vapor intrusion evaluation will be performed according to the requirements in the NCDENR *Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch* (NCDENR, 2014). This evaluation will be conducted after the next round of soil and groundwater sampling is completed, so that vapor intrusion screening can be conducted using the entire set of VOC soil and groundwater data.

Subslab Sampling

Until the additional soil and groundwater sampling is conducted and the vapor intrusion screening performed, it is unknown whether or not subslab sampling is necessary and where such sampling, if required, would be performed. As a contingency, the following protocol is summarized in the event that subslab sampling is required at the Site.

NCDENR IHSB Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch state that when a building is on top of soil contamination, a subslab vapor sample should be collected.

If such sampling is necessary, the subslab vapor probes would be installed at the interface of the concrete slab and underlying gravel/soil according to the following procedures:

- A 1.25-inch diameter core bit will be used to drill through the concrete floor slab.
- A section of one-quarter-inch outer diameter Teflon®-lined tubing will be inserted to approximately flush with the concrete/subslab gravel interface. The tubing will be fitted with a 0.25-inch diameter polyethylene vapor implant.
- Sand will be placed around the tubing to approximately 1-inch above the top of the vapor implant.
- Approximately one-half-inch of hydrated bentonite will be placed above the sand.
- The remainder of the borehole will be filled with cement grout to the surface.

If vapor intrusion evaluation is done outdoors, next to the building, samples will be collected at depths between five and ten feet. Following installation, the subslab vapor probe will be allowed to equilibrate for a minimum of 48 hours prior to sampling. Prior to collecting samples from each subslab vapor point, a tracer leak test using helium gas will be conducted to check for leaks in

the sampling train. The new and existing subslab vapor probes will then be purged a minimum amount (less than one liter) using a hand vacuum pump and measured using a 1-liter Tedlar bag. Following purging, subslab vapor samples will be collected from each probe using laboratory prepared, decontaminated 1-liter Summa canisters under a vacuum of 25 to 30 inches of mercury. Each Summa canister will be equipped with a 0.5-hour flow controller and connected to the vapor point tubing using stainless steel fittings (nut and ferrule setup) and Teflon-lined tubing.

Subslab vapor samples will be submitted under chain-of-custody record to a North Carolina certified laboratory for analysis of VOCs by Method TO-15 SIM. Only those VOCs present in soil and groundwater at the Site and their transformation products will be analyzed for in subslab vapor samples. Samples will also be analyzed for helium to confirm the results of the field tracer leak test measurements. One field duplicate sample and one trip blank will be analyzed for QA/QC.

Indoor Air Sampling

Following a review of the laboratory data, AECOM will determine if additional sampling or delineation is necessary. If laboratory data indicate additional sampling or probe installation is necessary, the installation and sampling procedures described above will be followed for additional soil gas probes that may be installed.

Based on the results of any subslab sampling, it is possible that current subslab sample contaminant concentrations may exceed the current NCDENR IHSB industrial/commercial soil gas screening levels. If this does occur, AECOM will request the IHSB to calculate the actual collective cancer risk and Hazard Index posed by the contaminants for comparison to the acceptable cancer risk/non-cancer hazard targets as detailed in the *Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch*. If the subslab sampling results exceed the site-specific IHSB calculated allowable risk, indoor air sampling will be conducted. Another RIWP Addendum will document the sampling locations and methodology for indoor air sampling, if required.

3.4 Field and Laboratory Procedures [.0306(g)(16)]

In order to preserve sample integrity, samples will be collected in the appropriate containers, preserved when required and stored at the appropriate temperature. Samples will be carefully packed in coolers, chain of custody documents will be maintained, and samples will be properly shipped or transported to the laboratory using the procedures outlined in this section. These procedures are compliant with the technical requirements outlined in appropriate EPA Region IV *Field Branches Quality System and Technical Procedure* documents.

3.5 Analytical Parameters and Methods [.0306(g)(17)]

Soil and/or groundwater samples will be analyzed by the following methods as summarized on Tables 3-1 and 3-2 for:

- Target analyte list (TAL) metals in soil including aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc using the appropriate SW-846 Methods; The preparation method for the TCLP test is EPA SW846 Method 1311.

- VOCs using EPA SW846 Method 8260;

- All VOCs included on the EPA Contract Laboratory Program Target Compound List will be reported and a library search (using the National Institute of Standards and Technology mass spectral library) will be employed to produce a list of tentatively identifiable compounds (TICs). The library search will be used to identify TICs for the largest 10 peaks in each analytical fraction.

- 1,4-dioxane using EPA Method 8260 SIM will be analyzed in soil samples collected from the former 1,1,1-TCA AST and former indoor degreaser area, and for groundwater samples collected on site.

3.6 Decontamination Procedures

Equipment used during the investigation will be appropriately decontaminated using an Alconox™ and water solution in general accordance with appropriate EPA Region IV *Field Branches Quality System and Technical Procedure* documents (EPA, 2012). Decontamination water and soil cuttings will be containerized in 55-gallon drums and secured onsite pending laboratory analysis. Personnel protective equipment (PPE) will be disposed of along with the investigation-derived waste (IDW) at a permitted facility for non-hazardous waste, unless VOCs or other constituents are detected at concentrations indicating the presence of hazardous waste. Any rinse water decontamination of PPE, such as rubber boots, will be contained and disposed off site with other IDW.

3.7 Community Health and Safety Plan [.0306(g)(19)]

A copy of the Site-specific Health and Safety Plan (HASP) is included as Appendix M of the RIWP. This HASP has been written to comply with the requirements of Section .0306 (d) of the Technical Standards for RECs for the State of North Carolina. It includes protocols for protecting the community.

3.8 Anticipated Schedule of RI Work Plan Addendum Activities

A tentative schedule for this work appears below. The schedule is contingent on the findings of each remaining stage of the RI.

RI Work Task/Milestone	**Estimated Time Period to Complete after Previous Milestone**
Submit This RI Work Plan Addendum	
Contact Downgradient Parcel Owners and Obtain Access Agreement	30 to 90 days
Well Installations/Soil and Groundwater Sampling	30 to 60 days
Laboratory Analysis and Data Review and Validation	21 to 28 days
Additional RI Field Work (if required)	45 to 90 days
Prepare and Submit Final Draft and RI Report	60 to 90 days

4.0 REFERENCES

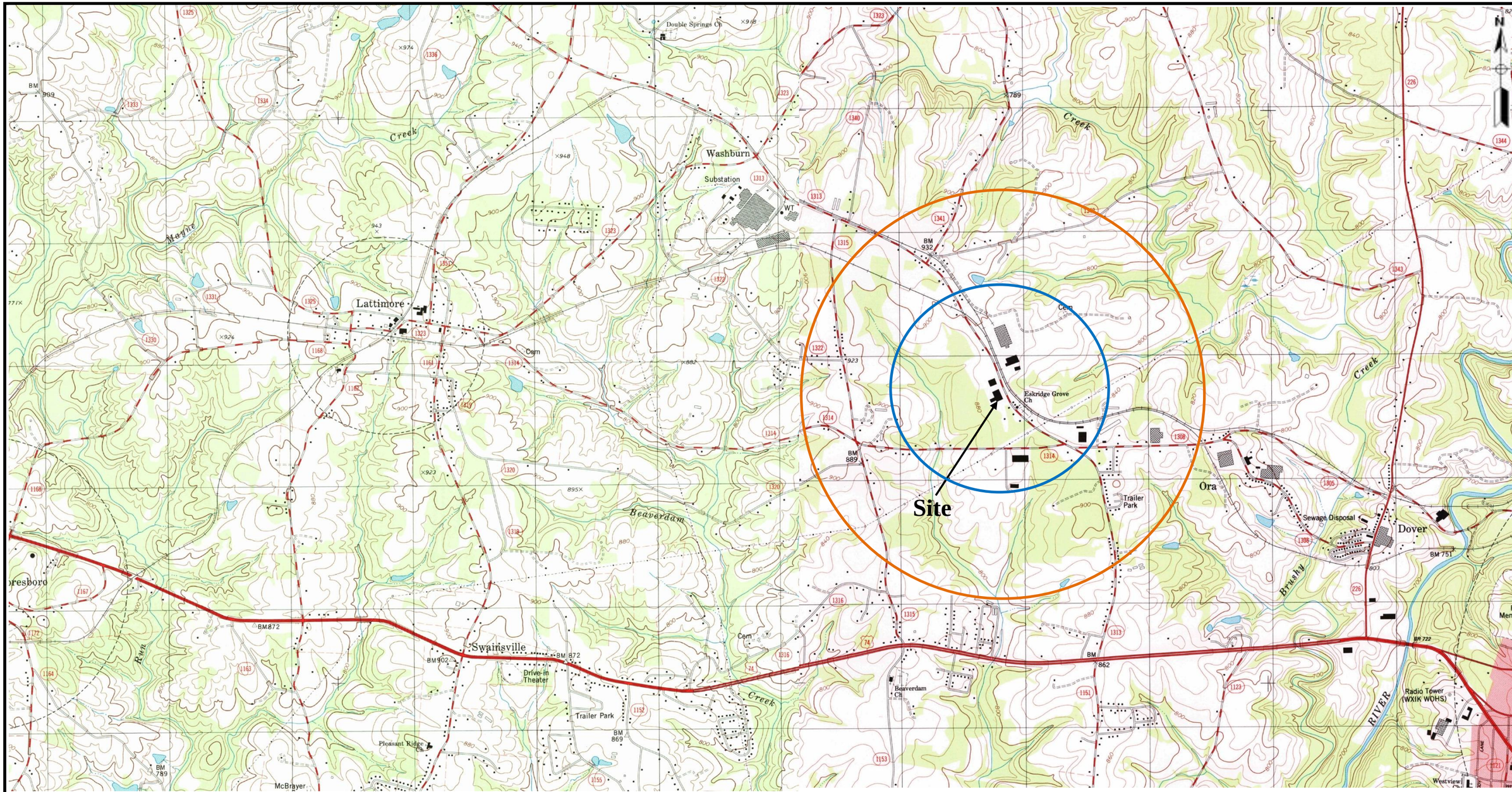
AECOM, 2013. *Combined Phase I and II Remedial Investigation Work Plan, Ardee Translite, Shelby, NC,* September 2013.

NCDENR, 2012. *Registered Environmental Consultant (REC) Program Implementation Guidance – November* 2012 (document used to prepare RIWP in 2013).

NCDENR, 2013. *Registered Environmental Consultant (REC) Program Implementation Guidance – December* 2013 (document used to prepare the RIWP Addendum in February 2013).

NCDENR, 2014. *Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch* (March 2014).

FIGURES



SCALE 1:24 000

KILOMETERS 1 0.5 0 1 2

METERS 1000 0 1000 2000

MILES 1 0.5 0 1

FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

- ½ Mile Radius

- 1 Mile Radius

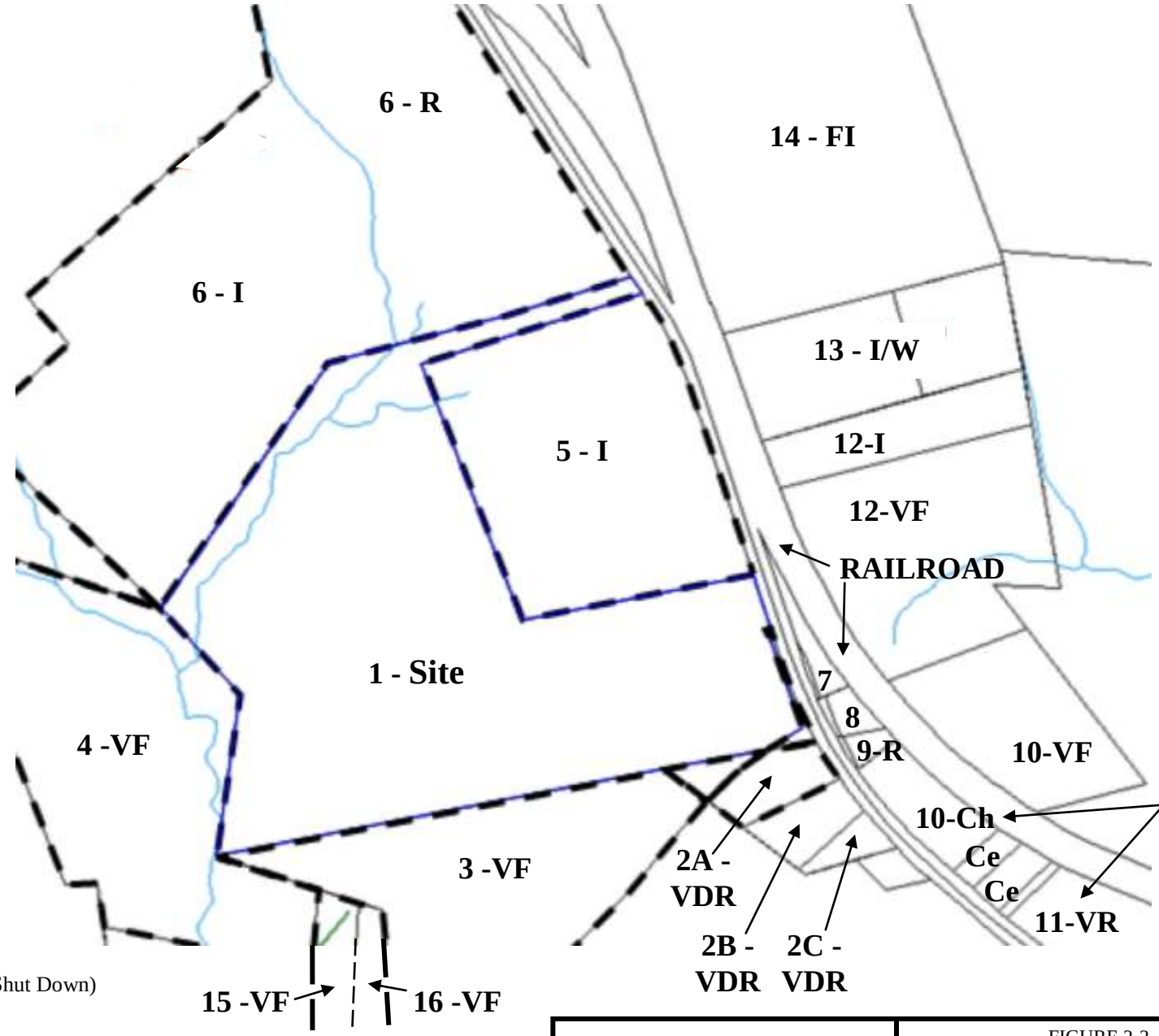
Source: USGS 7.5 Minute (Topographic) Series: Shelby, North Carolina Quadrangle
USGS 7.5 Minute (Topographic) Series: Boiling Springs, North Carolina Quadrangle

AECOM

FIGURE 2-1
SITE LOCATION MAP
ARDEE TRANSLITE
RI WORK PLAN
SHELBY, NORTH CAROLINA

JULY 2013

Projects\60241001\CADD



LEGEND

Ce - Cemetary
Ch - Church
FI - Former Industrial (Now Shut Down)
I - Industrial
R - Residential
VDR - Vacant Demolished Residence
VF - Vacant Farmland
VR - Vacant Residence
W - Warehouse

Note: See Table 2-1 for Cross-Reference to Property Occupants.

Modified from: http://arcims2.webgis.net/nc/cleveland/printable2.asp

AECOM

FIGURE 2-2
SITE, SURROUNDING PARCELS, LAND USE AND PRIVATE WATER WELL OBSERVATIONS
ARDEE TRANSLITE
RI WORK PLAN
SHELBY, NORTH CAROLINA

FEBRUARY 2014

Projects\60241001\CADD\Feb 2014

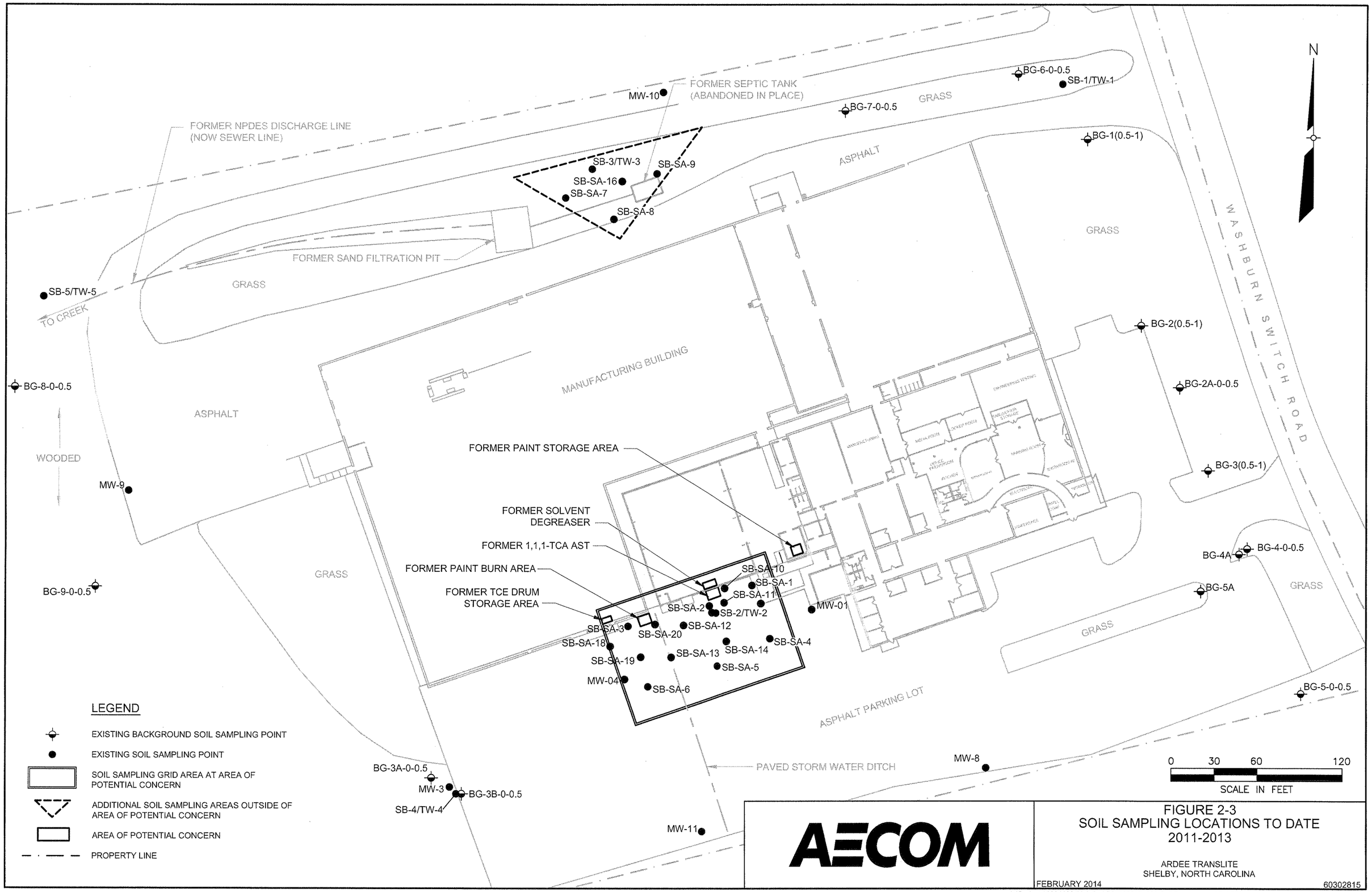


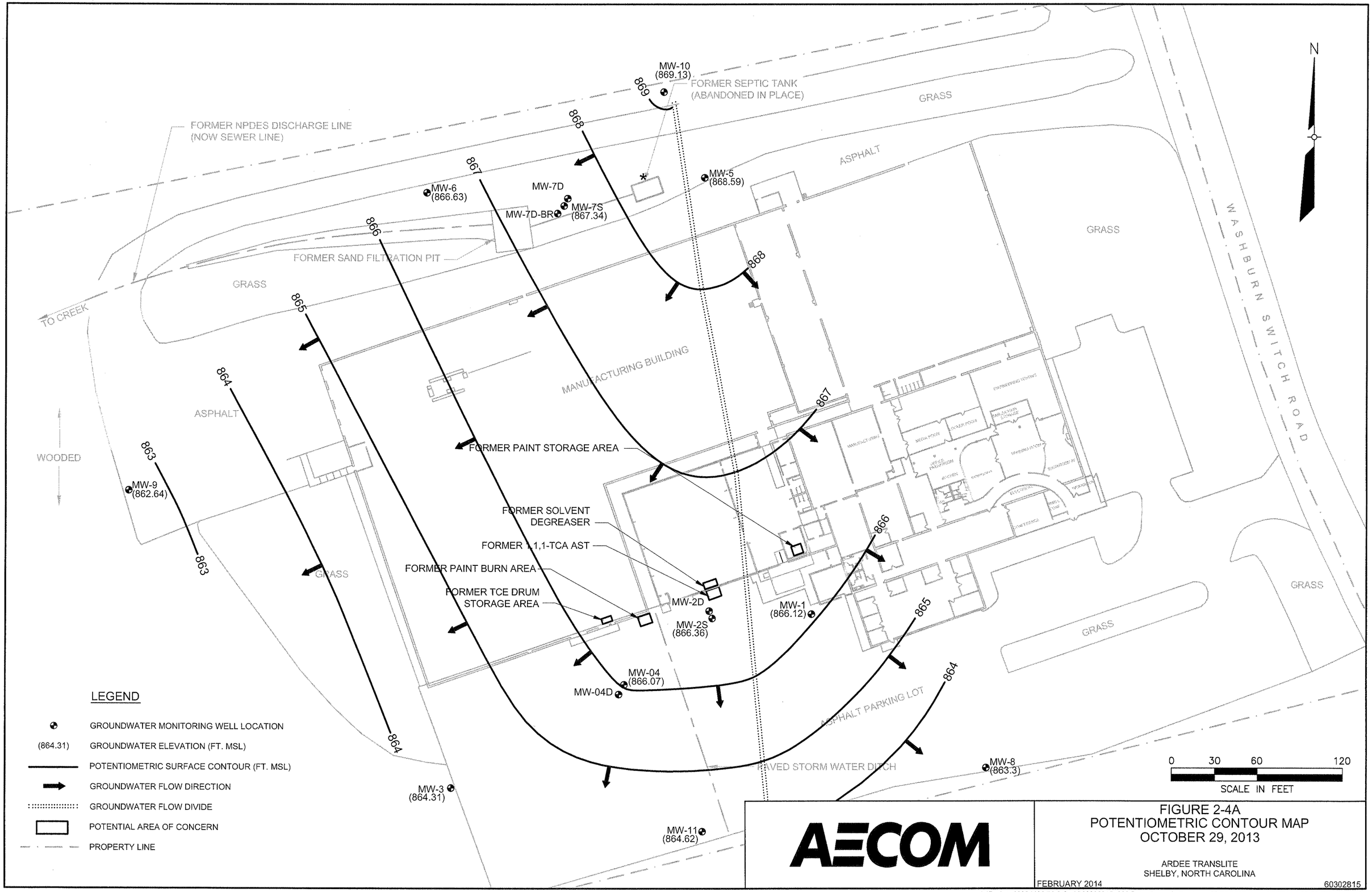
FIGURE 2-3
SOIL SAMPLING LOCATIONS TO DATE
2011-2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014

60302815

L:\Projects\60241001\9.0 Cadd\60302815_025 Soil Borings as of Feb2014.dwg, 4/2/2014 5:06:47 PM, stubblefieldr



AECOM

FIGURE 2-4A
POTENTIOMETRIC CONTOUR MAP
OCTOBER 29, 2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014

60302815

L:\Projects\60241001\9.0 Cadd\60302815_029 Potentiometric Contours 10-29-2013.dwg, 4/2/2014 4:56:30 PM, stubblefieldr

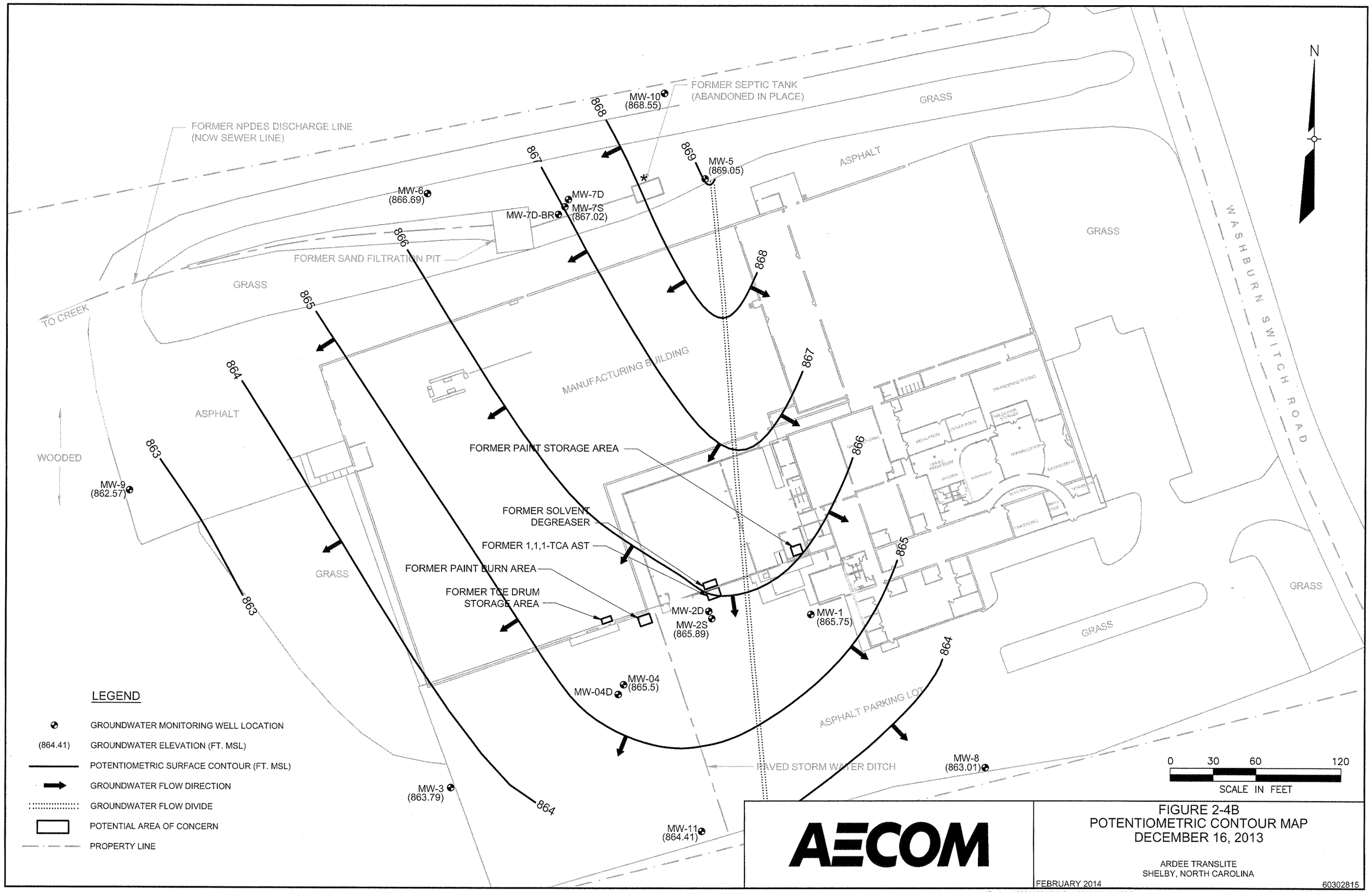


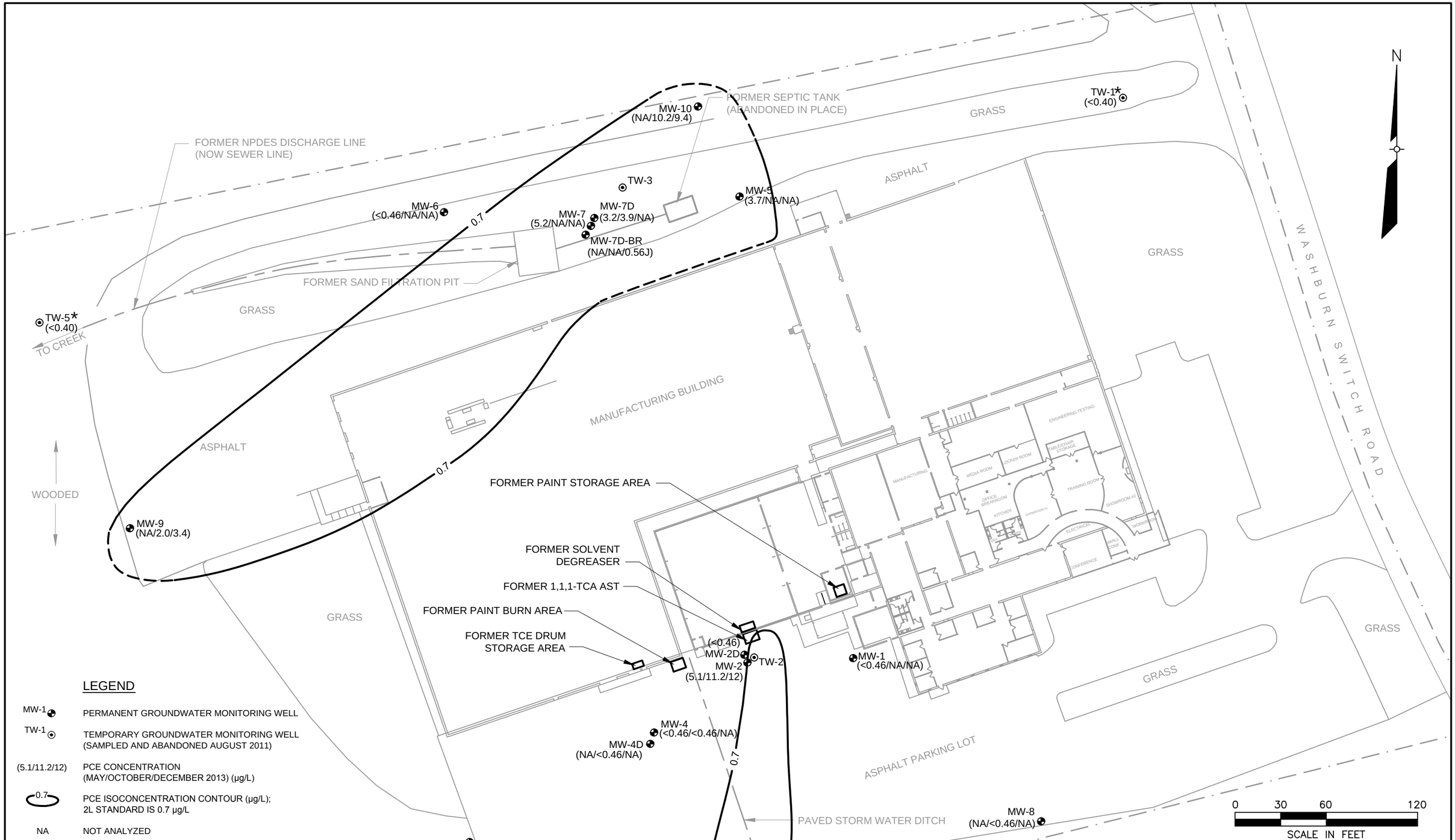
FIGURE 2-4B
POTENTIOMETRIC CONTOUR MAP
DECEMBER 16, 2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014

60302815

L:\Projects\6024100\9.0 Cadd\60302815_030 Potentiometric Contours 12-16-2013.dwg, 4/2/2014 4:57:25 PM, stubblefieldr



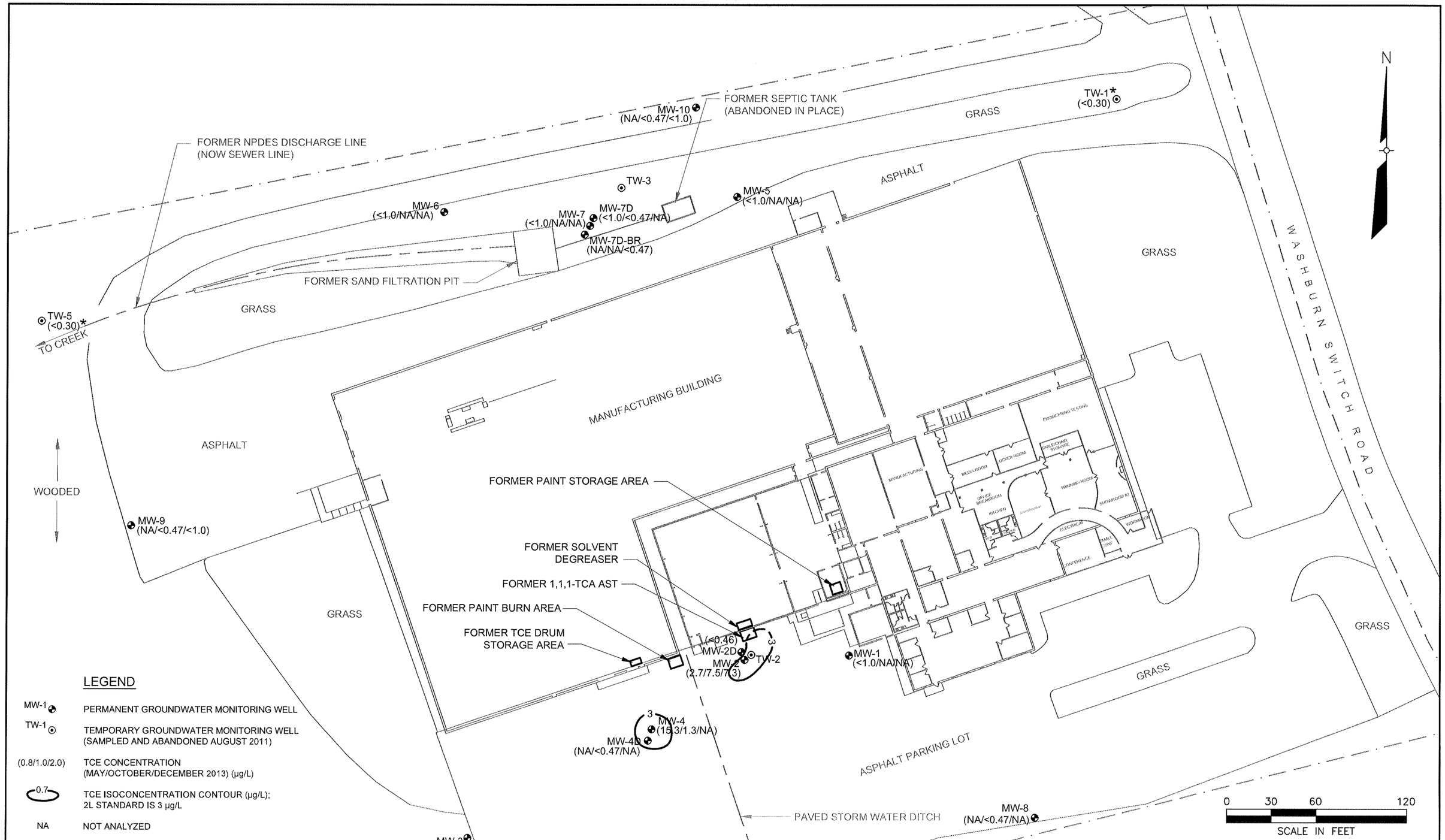
AECOM

FIGURE 2-5
TETRACHLOROETHENE (PCE)
IN GROUNDWATER:
MAY - DECEMBER 2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014

60302815



AECOM

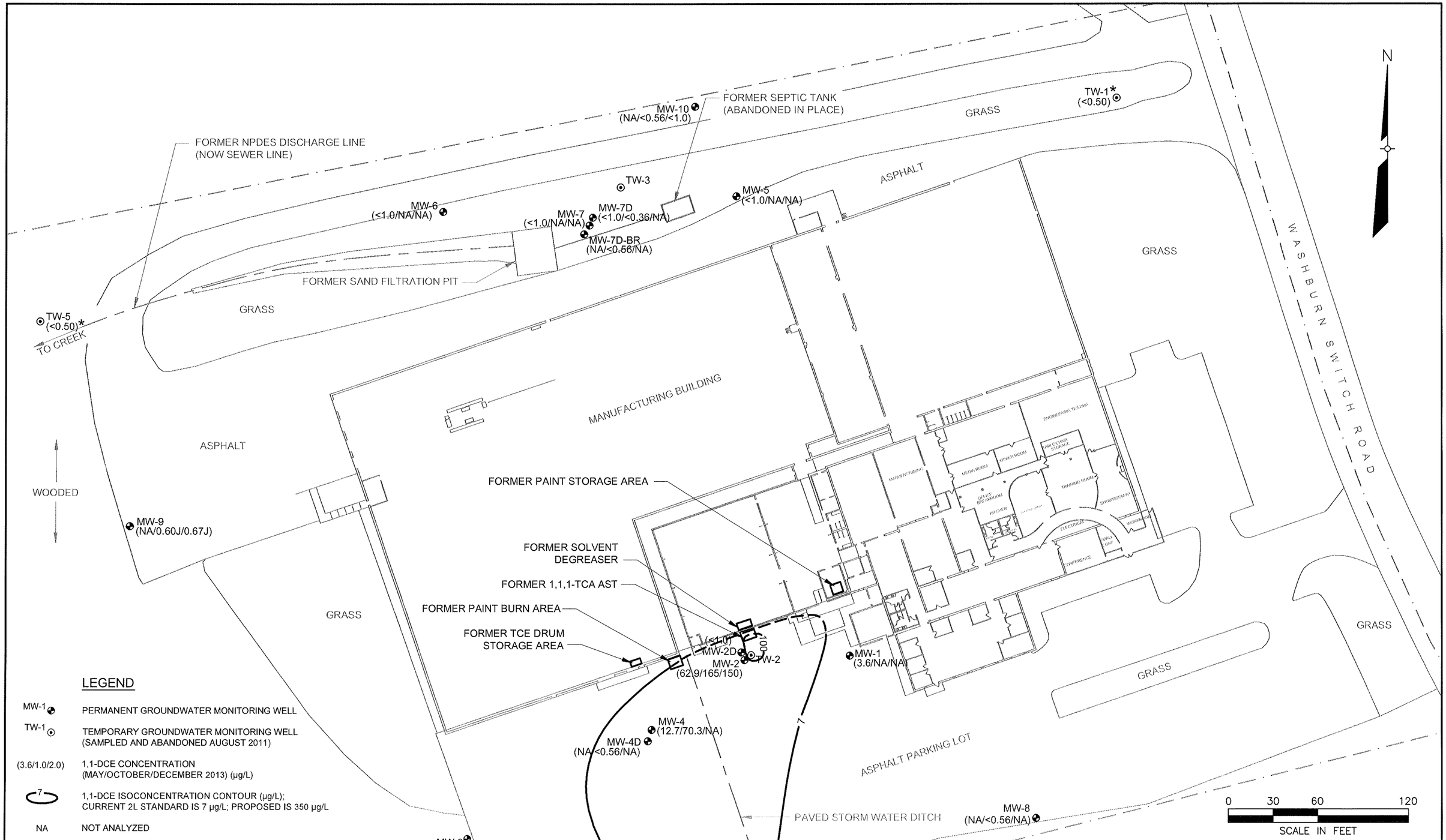
FIGURE 2-6
TRICHLOROETHENE (TCE)
IN GROUNDWATER:
MAY - DECEMBER 2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014

60302815

L:\Projects\6024100\9.0 Cadd\60302815_032 TCE Isoconcentrations May-Dec 2013.dwg, 2/6/2014 8:12:12 AM, stubblefieldr



AECOM

FIGURE 2-7
1,1-DICHLOROETHENE (1,1-DCE)
IN GROUNDWATER:
MAY - DECEMBER 2013
ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014 60302815

L:\Projects\6024100\9.0 Cadd\60302815_033 DCE Isoconcentrations May-Dec 2013.dwg, 2/6/2014 4:15:32 PM, stubblefieldr

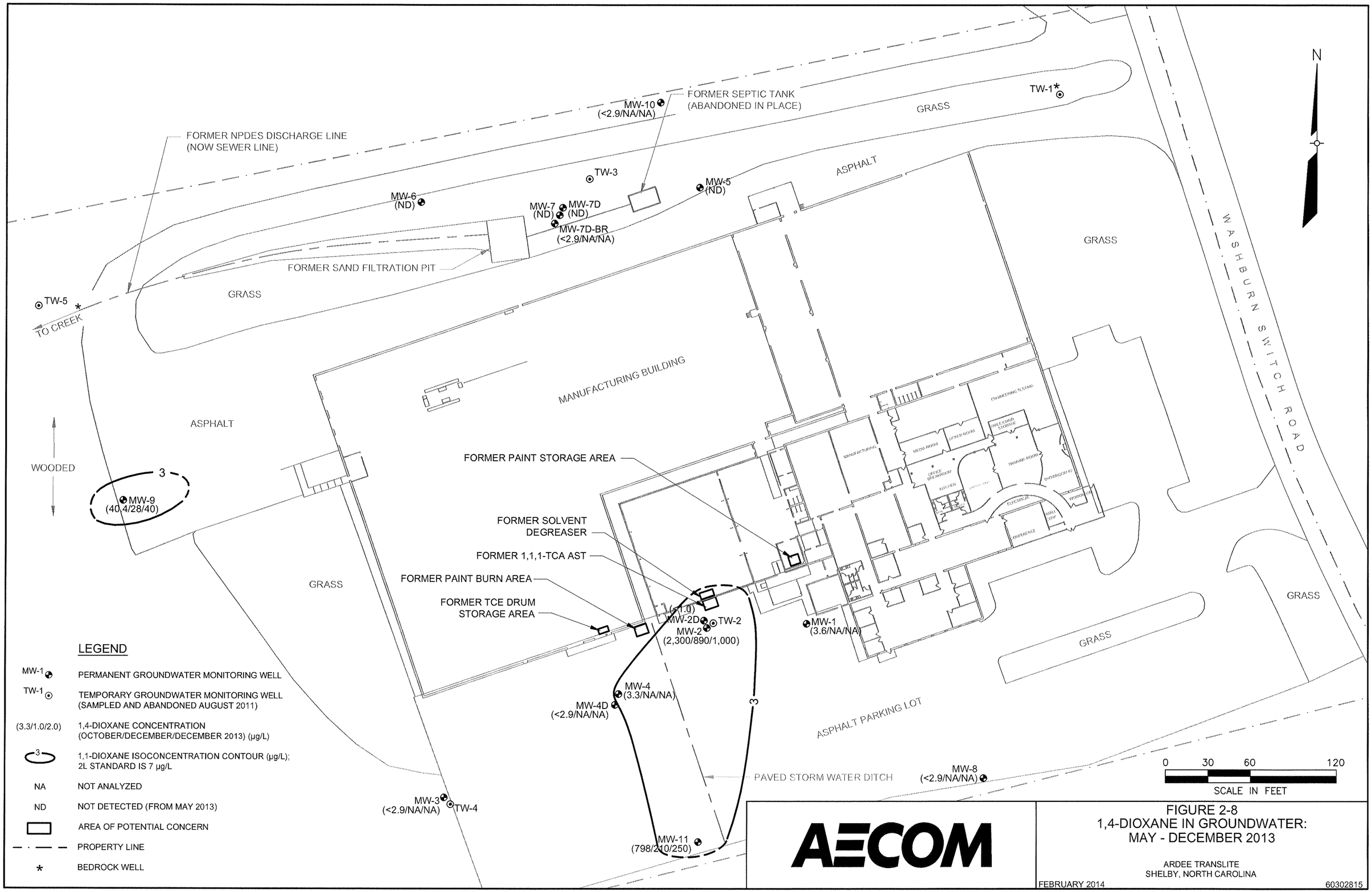
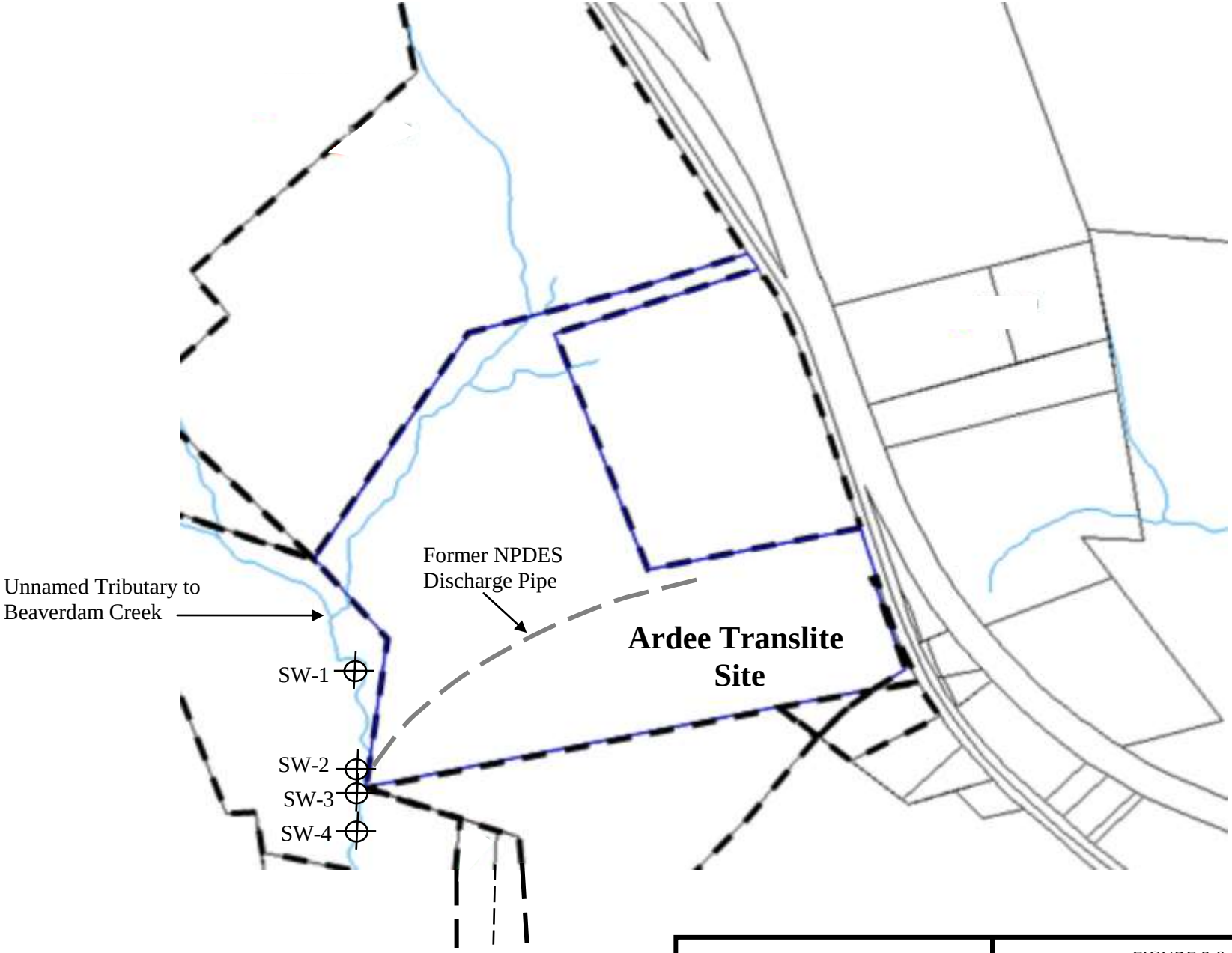


FIGURE 2-8
1,4-DIOXANE IN GROUNDWATER:
MAY - DECEMBER 2013

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014 60302815

L:\Projects\60241001\9.0 Cadd\60302815_034 Dioxane Isoconcentrations May-Dec 2013.dwg, 2/6/2014 4:11:43 PM, stubblefieldr



Surface Water/Sediment Sample

Note: No surface water or sediment impacts were discovered during the RI.

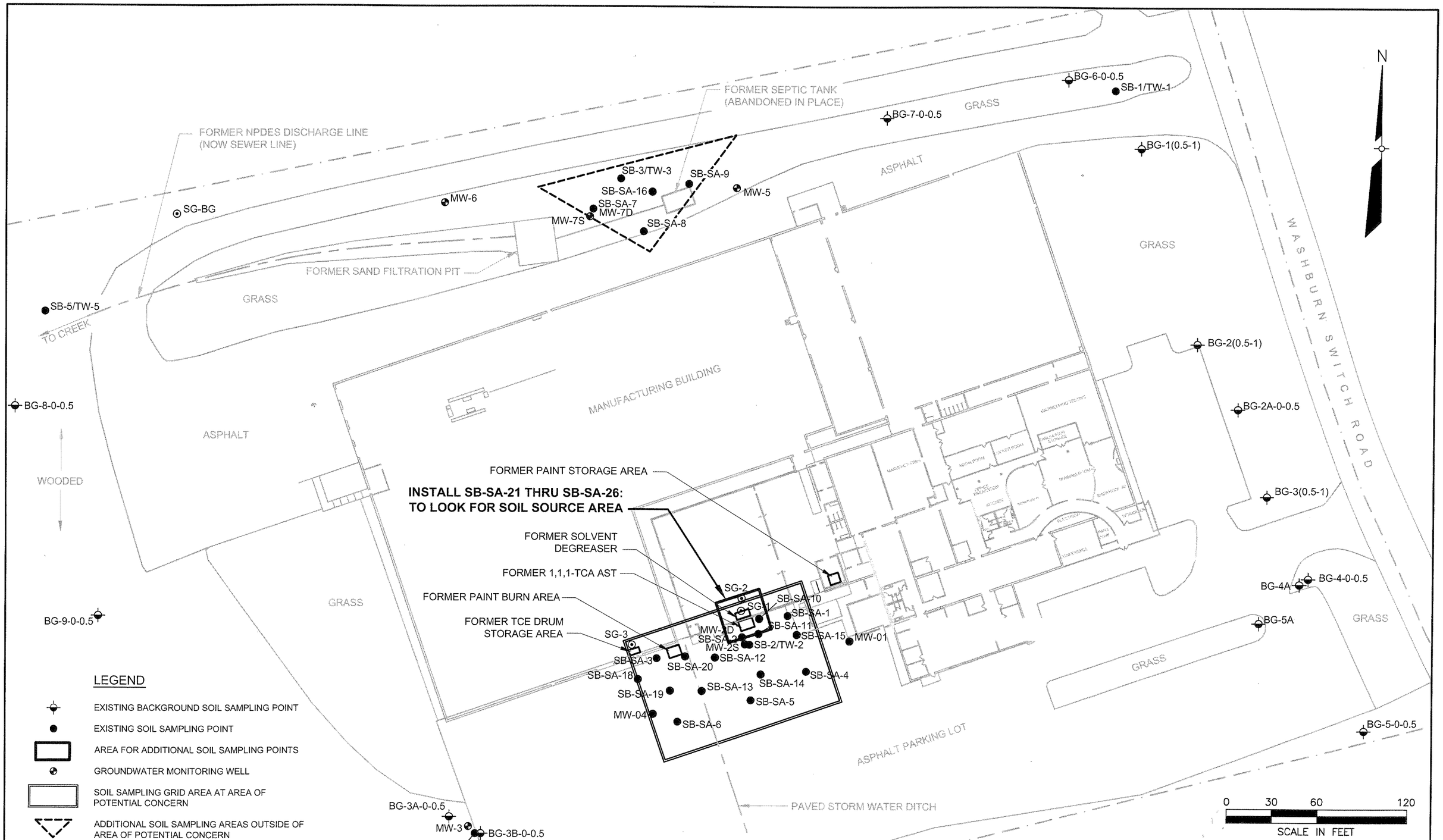
Modified from: http://arcims2.webgis.net/nc/cleveland/printable2.asp

AECOM

FIGURE 2-9
SURFACE WATER AND SEDIMENT
SAMPLE LOCATIONS
ARDEE TRANSLITE
RI IMPLEMENTATION
SHELBY, NORTH CAROLINA

FEBRUARY 2014

Projects\60241001\CADD\Feb 2014



AECOM

FIGURE 3-1
PROPOSED ADDITIONAL RI SOIL AND CONTINGENT SOIL GAS SAMPLING LOCATIONS
RI WORK PLAN ADDENDUM
ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

APRIL 2014 60302815

L:\Projects\602410011\9.0 Cadd\60302815_035 Proposed Additional Soil Borings for RI Addendum.dwg, 4/25/2014 4:33:02 PM, stubblefieldr

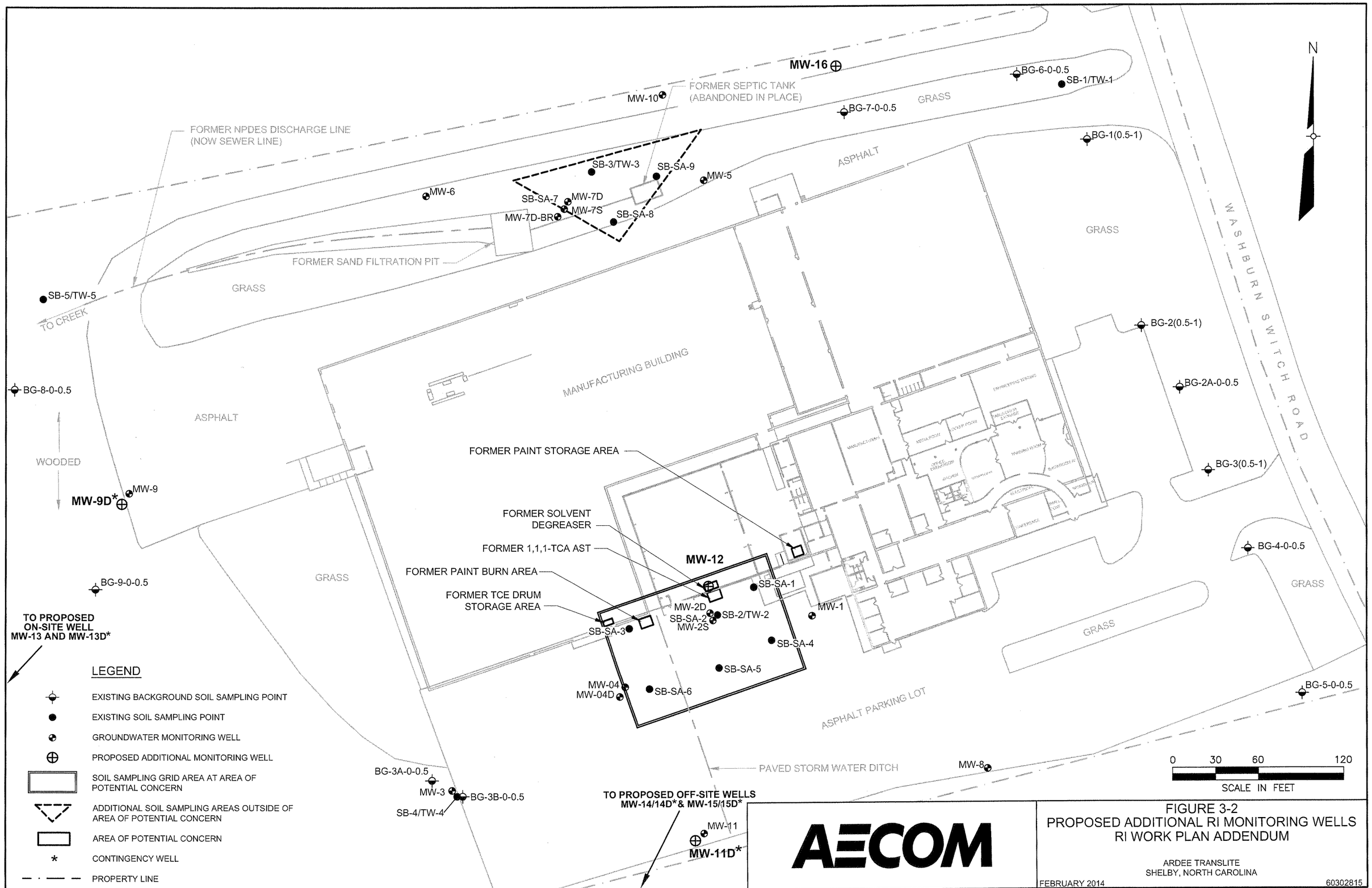
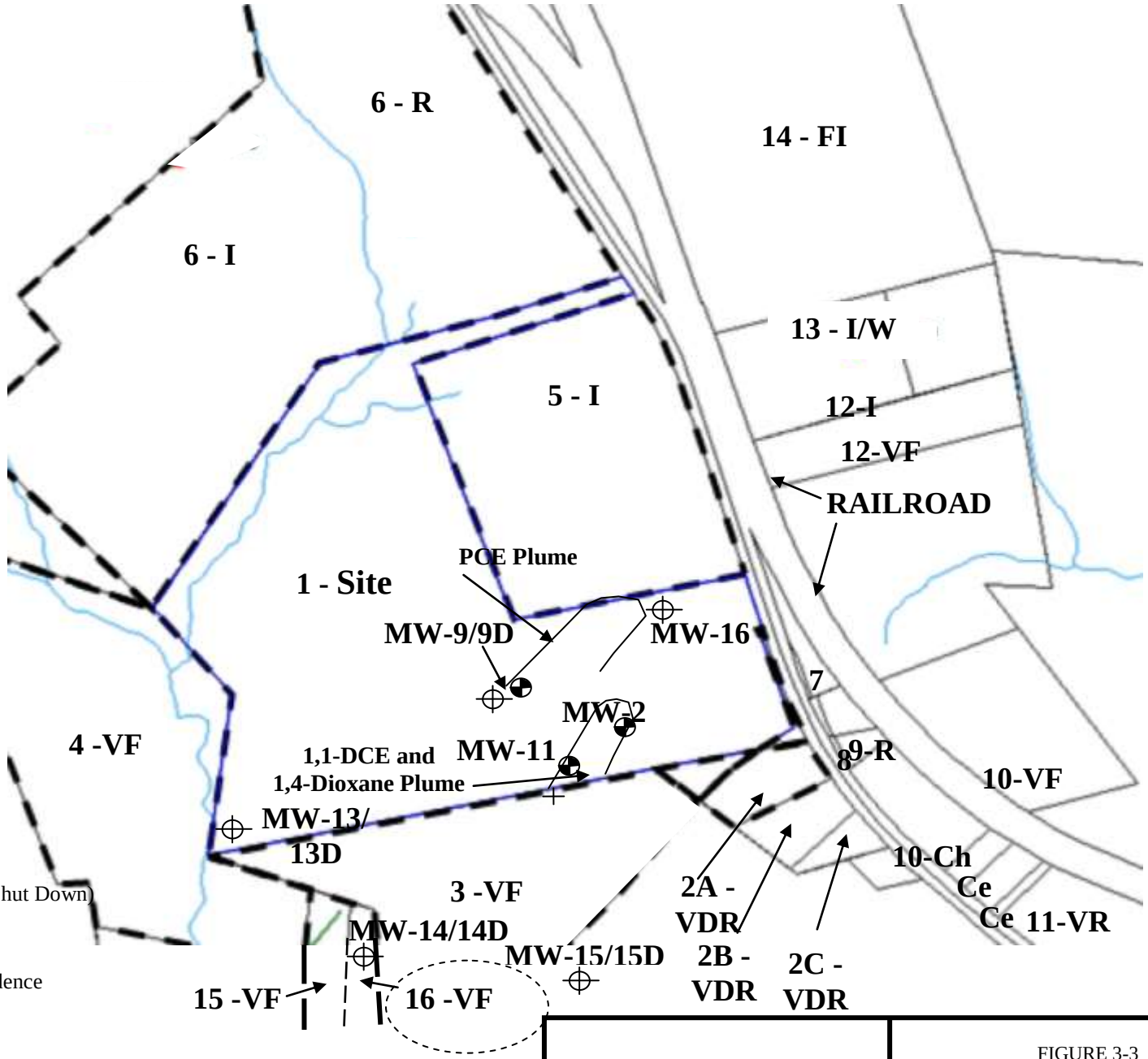


FIGURE 3-2
PROPOSED ADDITIONAL RI MONITORING WELLS
RI WORK PLAN ADDENDUM

ARDEE TRANSLITE
SHELBY, NORTH CAROLINA

FEBRUARY 2014 60302815

L:\Projects\60241001\9.0 Cadd\60302815_028 Proposed Additional Wells for RI Addendum.dwg, 4/2/2014 5:31:15 PM, stubblefieldr



LEGEND

Ce - Cemetary
Ch - Church
FI - Former Industrial (Now Shut Down)
I - Industrial
R - Residential
VDR - Vacant Demolished Residence
VF - Vacant Farmland
VR - Vacant Residence
W - Warehouse
⊕ - Proposed Wells: Off-Site Subject to Property Owner
◕ - Existing Wells Inside or at GW Plume Area
⬭ - Additional Wells if Needed

Note: See Table 2-1 for Cross-Reference to Property Occupants.

Modified from: http://arcims2.webgis.net/nc/cleveland/printable2.asp

AECOM

FIGURE 3-3
PROPOSED ADDITIONAL RI
MONITORING WELLS (INCL OFF-SITE)
ARDEE TRANSLITE
RI WORK PLAN ADDENDUM
SHELBY, NORTH CAROLINA

FEBRUARY 2014

Projects\60241001\CADD\ Feb 2014

TABLES

TABLE 2-1
SURROUNDING PROPERTY OWNERS AND LAND USES
ARDEE/TRANSLITE
639 WAHSBURN SWITCH ROAD
SHELBY, NORTH CAROLINA

Figure 2-3 Map ID	Parcel ID Number	Parcel Address	Owner Name	Owner Address	Owner City	Owner State	Owner Zip	Direction from Site and Land Use
1	32699	639 Washburn Switch Road	JJI Lighting Group	639 Washburn Switch Road	Shelby	NC		Ardee Translite Site - Industrial
2A, 2B, 2C	28695	635 Washburn Switch Road	NC Dept of Transportation	1546 Mail Service CE	Raleigh	NC	27611	Tracts to Southeast - Vacant (Recent demolition of homes) - Future Road Construction
3	28692	515 Washburn Switch Road	George C. Doggett	515 Washburn Switch Road	Shelby	NC	28150	Tract to South - Vacant Farmland
4	32696	Artee Road (no street number)	John Weaver and Grace Weaver	2221 Albert Blanton	Shelby	NC	28152	Tract to West - Vacant Farmland
5	32700	649 Washburn Switch Road	Capitol Funds, Inc.	P.O. Box 146	Shelby	NC	28151	Tract to North - Industrial Wood Truss Mfg. Facility, Operated by Piedmont Components
6	32622 & 61568	667 and 671 Washburn Switch Road	Clearwater Paper Corp.	601 West Riverside Avenue	Spokane	WA	99201	Tract to North - Industrial and One Residence
7	40584	Washburn Switch Road (no street number)	Coleman A. Doggett and Nancy Doggett	217 Rosecommon Lane	Cary	NC	27511	Tract to East - Vacant Land
8	32698	Washburn Switch Road (no street number)	City of Shelby	300 S. Washington Street	Shelby	NC	28150	Tract to Southeast - Vacant with Structure
9	28699	636 Washburn Switch Road	House assoc. w/Eskridge Grove Baptist Church	636 Washburn Switch Road	Shelby	NC	28150	Tract to Southeast - Residential on City Water
10	28690	634 Washburn Switch Road	Eskridge Grove Baptist Church	634 Washburn Switch Road	Shelby	NC	28150	Tract to Southeast - Church on City Water, with Cemetery and Vacant Farmland
11	28698	624 Washburn Switch Road	Eskridge Grove Baptist Church	634 Washburn Switch Road	Shelby	NC	28150	Tract to Southeast -Vacant Farmland
12	32642 & 32650	656 and 658 Washburn Switch Road	Seal Wire Company	656 and 658 Washburn Switch Road	Shelby	NC	28150	Tracts to East and Northeast - Some Vacant and Some Active Industrial
13	32630 & 59222	658 Washburn Switch Road	John or Susan Haskell	112 Harvest Lane	Boiling Springs	SC	29316	Tracts to Northeast - Some Active Light Industrial or Warehouse
14	32623	662 Washburn Switch Road	Container Corp. of America	c/o Industrial Valuation	Austin	TX	78709	Tract to Northeast - Vacant Industrial
15	62100	Artee Road (no street number)	NC Dept of Transportation	1546 Mail Service CE	Raleigh	NC	27611	Tract to Southwest - Vacant - Future Road Construction
16	62166	Artee Road (no street number)	NC Dept of Transportation	1546 Mail Service CE	Raleigh	NC	27611	Tract to Southwest - Vacant - Future Road Construction
17	62250	Artee Road (no street number)	NC Dept of Transportation	1546 Mail Service CE	Raleigh	NC	27611	Tract to Southwest - Vacant - Future Road Construction

Source: Cleveland County, NC, 2013

Table 2-2
Summary of Soil Analytical Background Data
Ardee/Translite
Shelby, North Carolina

Sample Location	BG-1-1		BG-2-1		BG-3-1		BG-4A		BG-5A		BG-8A-0.5-1		BG-9A-0.5-1		Mean * Background Concentration	2 x Mean * Background Concentration
Date Collected	01/16/12		01/16/12		01/16/12		10/21/13		10/21/13		10/21/13		10/21/13			
Laboratory Sample ID	NA18016-018		NA18016-019		NA18016-020		92176819012		92176819011		92177052008		92177052009			
Sample Depth (Feet bgs)	0.5-1		0.5-1		0.5-1		0.5-1		0.5-1		0.5-1		0.5-1			
Metals by Method 6010C (mg/kg)																
Aluminum	**25000**		**43000**		**24000**		**8250**		**17800**		**16100**	//y	**22200**	//y	22336	44671
Antimony	< 2.8		< 1.2		**1.3**	J//	**0.8**		**1.7**		< 0.27	//y	< 0.33	//y	0.87	1.7
Arsenic	**1.1**	J//	**3.8**		**7**		**3.6**		**1.6**		**4.5**	//y	**6.3**	//y	4.0	8.0
Barium	**14**		**19**		**25**		**78.3**		**36.7**		**55.4**	//y	**14**	//y	35	69
Beryllium	< 1.1		< 0.49		**0.45**	J//	**0.29**		**0.24**		**0.38**	//y	**0.25**	//y	0.34	0.69
Cadmium	**0.19**	J//	**0.35**		**0.66**		**1.2**		**0.88**		**0.7**	//y	**1.1**	//y	0.73	1.5
Calcium	**550**	J//	**370**	J//	**570**	J//	**2730**		**1600**		**799**	//y	**2350**	//y	1281	2563
Chromium	**15**		**16**		**56**		**48.6**		**37.1**		**25.8**	//y	**29.8**	//y	33	65
Cobalt	**1.1**	J//	**0.83**	J//	**2.9**	J//	**0.19**	J//	< 0.14		**17**	//y	< 0.17	//y	3.2	6.3
Copper	**21**		**18**		**23**		**19.9**		**23.8**		**28.4**	//y	**24.4**	//y	23	45
Iron	**31000**		**23000**		**53000**		**40200**		**49900**		**32200**	//y	**50400**	//y	39957	79914
Lead	**9.2**		**40**		**20**		**70.2**		**16.2**		**31.3**	//y	**16.6**	//y	29	58
Magnesium	**220**	J//	**1000**		**420**	J//	**1200**		**534**		**1570**	//y	**1540**	//y	926	1853
Manganese	**27**		**40**		**84**		**143**		**44.3**		**795**	//y	**56.7**	//y	170	340
Nickel	**4.4**	J//	**5**		**6.2**	J//	**4.7**		**3.4**		**21.5**	//y	**3.8**	//y	7.0	14
Potassium	**440**	J//	**1600**		**770**	J//	**340**	J//	**467**	J//	**1760**	//y	**221**	J//y	800	1599
Selenium	< 2.8		**1.9**		< 2.7		< 0.36		< 0.39		< 0.37	//y	< 0.45	//y	0.78	1.6
Silver	< 1.4		**0.6**	J//	< 1.4		**0.14**	J//	**0.079**	J//	< 0.029	//y	**0.094**	J//y	0.33	0.67
Sodium	< 1400		**62**	J//	< 1400		**24.4**	J/B/K	**32.2**	J/B/K	**16.5**	J//y	**7**	J//y	220	441
Thallium	< 14		< 6.1		< 14		**0.29**	J//	**0.75**	J//	< 0.25	//y	< 0.31	//y	2.6	5.2
Vanadium	**66**		**33**		**74**		**49.7**		**79.3**		**62.7**	//y	**98.6**	//y	66	132
Zinc	**15**		**24**		**42**		**74.9**		**17.4**		**40.3**	//y	**8.5**	//y	32	63
Mercury by Method 7471B (mg/kg)																
Mercury	**0.039**	J//	< 0.08		**0.031**	J//	**0.043**		**0.033**		**0.019**	M1,R1/M/Dy	**0.021**	//y	0.032	0.065

Notes:
Bold font and shading indicate the analyte was detected.
* Mean background concentration was calculated using one half the reporting limit for non-detected values.
mg/kg - milligrams per kilogram (parts per million)
See Table 2-6 for explanation of data qualifiers

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-2A-0-0.5 05/09/13 92157594005 0-0.5	BG-3A-0-0.5 05/09/13 92157594008 0-0.5	BG-3B-0-0.5 05/09/13 92157594009 0-0.5	BG-3B-0-0.5-A 05/09/13 92157594010 0-0.5	BG-4-0-0.5 05/09/13 92157594006 0-0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	NA	NA	NA	NA	NA
1,1-Dichloroethane	17000	C	30	—	NA	NA	NA	NA	NA
1,1-Dichloroethene	220000	N	45	—	NA	NA	NA	NA	NA
1,1-Dichloropropene	NS		NS	—	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,2-Dichloroethane	2200	C	2	—	NA	NA	NA	NA	NA
1,2-Dichloropropane	4700	C	3.2	—	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	NA	NA	NA
1,4-Dioxane	17000	C	12	—	NA	NA	NA	NA	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	NA	NA	NA	NA	NA
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	NA	NA	NA
2-Hexanone	280000	N	170	—	NA	NA	NA	NA	NA
4-Chlorotoluene	250000	Csat	280	—	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	NA	NA	NA	NA	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	NA	NA	NA	NA	NA
Benzene	5400	C	7.3	—	NA	NA	NA	NA	NA
Bromobenzene	360000	N	NS	—	NA	NA	NA	NA	NA
Bromochloromethane	140000	N	NS	—	NA	NA	NA	NA	NA
Bromodichloromethane	1400	C	2.9	—	NA	NA	NA	NA	NA
Bromoform	220000	C	19	—	NA	NA	NA	NA	NA
Bromomethane (Methyl bromide)	6400	N	48	—	NA	NA	NA	NA	NA
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	NA	NA	NA	NA	NA
Chlorobenzene	280000	N	430	—	NA	NA	NA	NA	NA
Chloroethane	2100000	Csat	16000	—	NA	NA	NA	NA	NA
Chloroform	1500	C	340	—	NA	NA	NA	NA	NA
Chloromethane (Methyl chloride)	100000	N	15	—	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	400000	N	360	—	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	NA	NA	NA	NA	NA
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	NA	NA	NA	NA	NA
Dibromomethane	22000	N	310	—	NA	NA	NA	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	NA	NA	NA	NA	NA
Diisopropyl ether	2000000	N	320	—	NA	NA	NA	NA	NA
Ethylbenzene	27000	C	8100	—	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-2A-0-0.5 05/09/13 92157594005 0-0.5	BG-3A-0-0.5 05/09/13 92157594008 0-0.5	BG-3B-0-0.5 05/09/13 92157594009 0-0.5	BG-3B-0-0.5-A 05/09/13 92157594010 0-0.5	BG-4-0-0.5 05/09/13 92157594006 0-0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	NA	NA	NA	NA	NA
m&p-Xylene	390000	Csat	NS	—	NA	NA	NA	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	NA	NA	NA	NA	NA
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	NA	NA	NA	NA	NA
n-Butylbenzene	110000	Csat	2400	—	NA	NA	NA	NA	NA
n-Propylbenzene	260000	Csat	1500	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
o-Xylene	430000	Csat	NS	—	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS		680	—	NA	NA	NA	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	NA	NA	NA
Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
tert-Butylbenzene	20000000	N	1700	—	NA	NA	NA	NA	NA
Tetrachloroethene	82000	N	5	—	NA	NA	NA	NA	NA
Toluene	820000	Csat	5500	—	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	140000	N	510	—	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	NA	NA	NA	NA	NA
Trichloroethene	4000	N,M	18	—	NA	NA	NA	NA	NA
Trichlorofluoromethane	680000	N	24000	—	NA	NA	NA	NA	NA
Vinyl acetate	820000	N	370	—	NA	NA	NA	NA	NA
Vinyl chloride	1700	C,M	0.19	—	NA	NA	NA	NA	NA
Xylenes (total)	260000	Csat	5800	—	NA	NA	NA	NA	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	NA	NA	NA
2,4-Dichlorophenol	360000	N	14	—	NA	NA	NA	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	NA	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	NA	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	NA	NA	NA
2-Chlorophenol	1000000	N	4.1	—	NA	NA	NA	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	NA	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	NA	NA	NA
2-Nitroaniline	1200000	N	NS	—	NA	NA	NA	NA	NA
2-Nitrophenol	NS		NS	—	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	NA	NA	NA
3-Nitroaniline	NS		NS	—	NA	NA	NA	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	NA	NA	NA
4-Chloroaniline	8600	C	NS	—	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	NA
4-Nitroaniline	86000	C	NS	—	NA	NA	NA	NA	NA
4-Nitrophenol	NS		NS	—	NA	NA	NA	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	NA	NA	NA
Acenaphthylene	NS		21000	—	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-2A-0-0.5 05/09/13 92157594005 0-0.5	BG-3A-0-0.5 05/09/13 92157594008 0-0.5	BG-3B-0-0.5 05/09/13 92157594009 0-0.5	BG-3B-0-0.5-A 05/09/13 92157594010 0-0.5	BG-4-0-0.5 05/09/13 92157594006 0-0.5
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	NA	NA	NA	NA	NA
Atrazine	7500	C	25	—	NA	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	NA	NA	NA
Benzo(a)pyrene	210	C,M	59	—	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	NA	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	NA	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	NA	NA	NA
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	NA	NA	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	NA	NA	NA
Di-n-octylphthalate	NS		38000	—	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	NA	NA	NA
Dibenzofuran	170000	Csat	5200	—	NA	NA	NA	NA	NA
Diethylphthalate	98000000	N	37000	—	NA	NA	NA	NA	NA
Dimethyl phthalate	NS		NS	—	NA	NA	NA	NA	NA
Fluoranthene	4400000	N	330000	—	NA	NA	NA	NA	NA
Fluorene	4400000	N	56000	—	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	NA	NA	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	NA	NA	NA
Hexachloroethane	43000	N	NS	—	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	NA	NA	NA
Isophorone	1800000	C	210	—	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
Nitrobenzene	24000	C	NS	—	NA	NA	NA	NA	NA
Pentachlorophenol	2700	C	31	—	NA	NA	NA	NA	NA
Phenanthrene	NS		68000	—	NA	NA	NA	NA	NA
Phenol	36000000	N	230	—	NA	NA	NA	NA	NA
Pyrene	3400000	N	220000	—	NA	NA	NA	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	NA	NA	NA	NA	NA
Antimony	82	N	0.9	1.7	NA	NA	NA	NA	NA
Arsenic	1.6	C	5.8	8.0	< 0.31	**3.2**	**3.1**	**4.6**	< 0.31
Barium	38000	N	580	69	NA	NA	NA	NA	NA
Beryllium	400	N	63	0.69	NA	NA	NA	NA	NA
Cadmium	160	N	3	1.5	NA	NA	NA	NA	NA
Calcium	NS		NS	2563	NA	NA	NA	NA	NA
Chromium	100000	Max	360000	65	NA	NA	NA	NA	NA
Cobalt	60	N	0.9	6.3	NA	NA	NA	NA	NA
Copper	8200	N	700	45	NA	NA	NA	NA	NA
Iron	100000	Max	150	79914	NA	NA	NA	NA	NA
Lead	800		270	58	NA	NA	NA	NA	NA
Magnesium	NS		NS	1853	NA	NA	NA	NA	NA
Manganese	4600	N	65	340	NA	NA	NA	NA	NA
Nickel	4000	N	130	14	NA	NA	NA	NA	NA
Potassium	NS		NS	1599	NA	NA	NA	NA	NA
Selenium	1000	N	2.1	1.6	NA	NA	NA	NA	NA
Silver	1000	N	3.4	0.67	NA	NA	NA	NA	NA
Sodium	NS		NS	441	NA	NA	NA	NA	NA
Thallium	2	N	0.28	5.2	NA	NA	NA	NA	NA
Vanadium	1000	N	6	132	NA	NA	NA	NA	NA
Zinc	62000	N	1200	63	NA	NA	NA	NA	NA
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-5-0-0.5 05/09/13 92157594007 0-0.5	BG-6-0-0.5 05/09/13 92157594004 0-0.5	BG-7-0-0.5 05/09/13 92157594003 0-0.5	BG-8-0-0.5 05/09/13 92157594002 0-0.5	BG-9-0-0.5 05/09/13 92157594001 0-0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	NA	NA	NA	NA	NA
1,1-Dichloroethane	17000	C	30	—	NA	NA	NA	NA	NA
1,1-Dichloroethene	220000	N	45	—	NA	NA	NA	NA	NA
1,1-Dichloropropene	NS		NS	—	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,2-Dichloroethane	2200	C	2	—	NA	NA	NA	NA	NA
1,2-Dichloropropane	4700	C	3.2	—	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	NA	NA	NA
1,4-Dioxane	17000	C	12	—	NA	NA	NA	NA	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	NA	NA	NA	NA	NA
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	NA	NA	NA
2-Hexanone	280000	N	170	—	NA	NA	NA	NA	NA
4-Chlorotoluene	250000	Csat	280	—	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	NA	NA	NA	NA	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	NA	NA	NA	NA	NA
Benzene	5400	C	7.3	—	NA	NA	NA	NA	NA
Bromobenzene	360000	N	NS	—	NA	NA	NA	NA	NA
Bromochloromethane	140000	N	NS	—	NA	NA	NA	NA	NA
Bromodichloromethane	1400	C	2.9	—	NA	NA	NA	NA	NA
Bromoform	220000	C	19	—	NA	NA	NA	NA	NA
Bromomethane (Methyl bromide)	6400	N	48	—	NA	NA	NA	NA	NA
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	NA	NA	NA	NA	NA
Chlorobenzene	280000	N	430	—	NA	NA	NA	NA	NA
Chloroethane	2100000	Csat	16000	—	NA	NA	NA	NA	NA
Chloroform	1500	C	340	—	NA	NA	NA	NA	NA
Chloromethane (Methyl chloride)	100000	N	15	—	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	400000	N	360	—	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	NA	NA	NA	NA	NA
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	NA	NA	NA	NA	NA
Dibromomethane	22000	N	310	—	NA	NA	NA	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	NA	NA	NA	NA	NA
Diisopropyl ether	2000000	N	320	—	NA	NA	NA	NA	NA
Ethylbenzene	27000	C	8100	—	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-5-0-0.5 05/09/13 92157594007 0-0.5	BG-6-0-0.5 05/09/13 92157594004 0-0.5	BG-7-0-0.5 05/09/13 92157594003 0-0.5	BG-8-0-0.5 05/09/13 92157594002 0-0.5	BG-9-0-0.5 05/09/13 92157594001 0-0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	NA	NA	NA	NA	NA
m&p-Xylene	390000	Csat	NS	—	NA	NA	NA	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	NA	NA	NA	NA	NA
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	NA	NA	NA	NA	NA
n-Butylbenzene	110000	Csat	2400	—	NA	NA	NA	NA	NA
n-Propylbenzene	260000	Csat	1500	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
o-Xylene	430000	Csat	NS	—	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS		680	—	NA	NA	NA	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	NA	NA	NA
Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
tert-Butylbenzene	20000000	N	1700	—	NA	NA	NA	NA	NA
Tetrachloroethene	82000	N	5	—	NA	NA	NA	NA	NA
Toluene	820000	Csat	5500	—	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	140000	N	510	—	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	NA	NA	NA	NA	NA
Trichloroethene	4000	N,M	18	—	NA	NA	NA	NA	NA
Trichlorofluoromethane	680000	N	24000	—	NA	NA	NA	NA	NA
Vinyl acetate	820000	N	370	—	NA	NA	NA	NA	NA
Vinyl chloride	1700	C,M	0.19	—	NA	NA	NA	NA	NA
Xylenes (total)	260000	Csat	5800	—	NA	NA	NA	NA	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	NA	NA	NA
2,4-Dichlorophenol	360000	N	14	—	NA	NA	NA	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	NA	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	NA	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	NA	NA	NA
2-Chlorophenol	1000000	N	4.1	—	NA	NA	NA	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	NA	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	NA	NA	NA
2-Nitroaniline	1200000	N	NS	—	NA	NA	NA	NA	NA
2-Nitrophenol	NS		NS	—	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	NA	NA	NA
3-Nitroaniline	NS		NS	—	NA	NA	NA	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	NA	NA	NA
4-Chloroaniline	8600	C	NS	—	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	NA
4-Nitroaniline	86000	C	NS	—	NA	NA	NA	NA	NA
4-Nitrophenol	NS		NS	—	NA	NA	NA	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	NA	NA	NA
Acenaphthylene	NS		21000	—	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	BG-5-0-0.5 05/09/13 92157594007 0-0.5	BG-6-0-0.5 05/09/13 92157594004 0-0.5	BG-7-0-0.5 05/09/13 92157594003 0-0.5	BG-8-0-0.5 05/09/13 92157594002 0-0.5	BG-9-0-0.5 05/09/13 92157594001 0-0.5
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	NA	NA	NA	NA	NA
Atrazine	7500	C	25	—	NA	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	NA	NA	NA
Benzo(a)pyrene	210	C,M	59	—	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	NA	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	NA	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	NA	NA	NA
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	NA	NA	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	NA	NA	NA
Di-n-octylphthalate	NS		38000	—	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	NA	NA	NA
Dibenzofuran	170000	Csat	5200	—	NA	NA	NA	NA	NA
Diethylphthalate	98000000	N	37000	—	NA	NA	NA	NA	NA
Dimethyl phthalate	NS		NS	—	NA	NA	NA	NA	NA
Fluoranthene	4400000	N	330000	—	NA	NA	NA	NA	NA
Fluorene	4400000	N	56000	—	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	NA	NA	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	NA	NA	NA
Hexachloroethane	43000	N	NS	—	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	NA	NA	NA
Isophorone	1800000	C	210	—	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
Nitrobenzene	24000	C	NS	—	NA	NA	NA	NA	NA
Pentachlorophenol	2700	C	31	—	NA	NA	NA	NA	NA
Phenanthrene	NS		68000	—	NA	NA	NA	NA	NA
Phenol	36000000	N	230	—	NA	NA	NA	NA	NA
Pyrene	3400000	N	220000	—	NA	NA	NA	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	NA	NA	NA	NA	NA
Antimony	82	N	0.9	1.7	NA	NA	NA	NA	NA
Arsenic	1.6	C	5.8	8.0	**4.6**	< 0.29	**0.95**	**12.7**	**2.1** **M1//**
Barium	38000	N	580	69	NA	NA	NA	NA	NA
Beryllium	400	N	63	0.69	NA	NA	NA	NA	NA
Cadmium	160	N	3	1.5	NA	NA	NA	NA	NA
Calcium	NS		NS	2563	NA	NA	NA	NA	NA
Chromium	100000	Max	360000	65	NA	NA	NA	NA	NA
Cobalt	60	N	0.9	6.3	NA	NA	NA	NA	NA
Copper	8200	N	700	45	NA	NA	NA	NA	NA
Iron	100000	Max	150	79914	NA	NA	NA	NA	NA
Lead	800		270	58	NA	NA	NA	NA	NA
Magnesium	NS		NS	1853	NA	NA	NA	NA	NA
Manganese	4600	N	65	340	NA	NA	NA	NA	NA
Nickel	4000	N	130	14	NA	NA	NA	NA	NA
Potassium	NS		NS	1599	NA	NA	NA	NA	NA
Selenium	1000	N	2.1	1.6	NA	NA	NA	NA	NA
Silver	1000	N	3.4	0.67	NA	NA	NA	NA	NA
Sodium	NS		NS	441	NA	NA	NA	NA	NA
Thallium	2	N	0.28	5.2	NA	NA	NA	NA	NA
Vanadium	1000	N	6	132	NA	NA	NA	NA	NA
Zinc	62000	N	1200	63	NA	NA	NA	NA	NA
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	NA	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-3-0-1 01/16/12 NA18016-017 0-1	MW-3A-0-1 12/16/13 OL19001-010 0 - 1	MW-4D-0.5-1 10/21/13 92177052001 0.5 - 1	MW-7A-0-1 12/16/13 OL19001-011 0 - 1	MW-7D-BR-0.5-1 10/21/13 92177052002 0.5 - 1
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	< 2 //y	NA	< 2.3 //y
1,1,1-Trichloroethane	640000	Csat	1200	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	< 7.2	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 7.2	NA	< 2 //y	NA	< 2.3 //y
1,1-Dichloroethane	17000	C	30	—	< 7.2	NA	< 1.4 //y	NA	< 1.7 //y
1,1-Dichloroethene	220000	N	45	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
1,1-Dichloropropene	NS		NS	—	NA	NA	< 1.4 //y	NA	< 1.7 //y
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	< 2.1 //y	NA	< 2.5 //y
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	< 1.5 //y	NA	< 1.8 //y
1,2,4-Trichlorobenzene	54000	N	2200	—	< 7.2	NA	< 1.5 //y	NA	< 1.8 //y
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	< 1.9 //y	NA	< 2.2 //y
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 7.2	NA	< 3.4 //y	NA	< 4 //y
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
1,2-Dichlorobenzene	380000	Csat	240	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
1,2-Dichloroethane	2200	C	2	—	< 7.2	NA	< 2.1 //y	NA	< 2.5 //y
1,2-Dichloropropane	4700	C	3.2	—	< 7.2	NA	< 1.6 //y	NA	< 1.9 //y
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	< 1.7 //y	NA	< 2 //y
1,3-Dichlorobenzene	NS		2400	—	< 7.2	NA	< 1.9 //y	NA	< 2.2 //y
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	< 1.8 //y	NA	< 2.1 //y
1,4-Dichlorobenzene	12000	C	70	—	< 7.2	NA	< 1.6 //y	NA	< 1.9 //y
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	**8.1 N//y**
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
1,4-Dioxane	17000	C	12	—	< 360	NA	NA	NA	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 14	NA	< 2.7 //y	NA	**26 J//y**
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
2-Hexanone	280000	N	170	—	< 14	NA	< 3.6 //y	NA	< 4.4 //y
4-Chlorotoluene	250000	Csat	280	—	NA	NA	< 1.7 //y	NA	< 2 //y
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 14	NA	< 3.5 //y	NA	< 4.1 //y
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	**14.1 N//y**
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	**11.6 N//y**
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	**70.1 N//y**
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	**9.4 N//y**
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	**12 J//**	NA	**31.6 J//y**	NA	**312 A+//y**
Benzene	5400	C	7.3	—	< 7.2	NA	< 1.5 //y	NA	< 1.8 //y
Bromobenzene	360000	N	NS	—	NA	NA	< 1.9 //y	NA	< 2.2 //y
Bromochloromethane	140000	N	NS	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
Bromodichloromethane	1400	C	2.9	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
Bromoform	220000	C	19	—	< 7.2	NA	< 2.1 //y	NA	< 2.6 //y
Bromomethane (Methyl bromide)	6400	N	48	—	< 7.2	NA	< 2.3 //y	NA	< 2.8 //y
Carbon disulfide	740000	Csat	3800	—	< 7.2	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	< 7.2	NA	< 2.4 //y	NA	< 2.9 //y
Chlorobenzene	280000	N	430	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
Chloroethane	2100000	Csat	16000	—	< 7.2	NA	< 2.2 //y	NA	< 2.7 //y
Chloroform	1500	C	340	—	< 7.2	NA	< 1.5 //y	NA	< 1.8 //y
Chloromethane (Methyl chloride)	100000	N	15	—	< 7.2	NA	< 2.2 //y	NA	< 2.7 //y
cis-1,2-Dichloroethene	400000	N	360	—	< 7.2	NA	< 1.3 //y	NA	< 1.6 //y
cis-1,3-Dichloropropene	8300	C	2.3	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
Cyclohexane	120000	Csat	NS	—	< 7.2	NA	NA	NA	NA
Cyclopentane	NS		NS	—	**25**	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	**0.65**	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
Dibromomethane	22000	N	310	—	NA	NA	< 2.3 //y	NA	< 2.8 //y
Dichlorodifluoromethane	80000	N	29000	—	< 7.2	NA	< 3.4 //y	NA	< 4 //y
Diisopropyl ether	2000000	N	320	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
Ethylbenzene	27000	C	8100	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-3-0-1 01/16/12 NA18016-017 0-1	MW-3A-0-1 12/16/13 OL19001-010 0 - 1	MW-4D-0.5-1 10/21/13 92177052001 0.5 - 1	MW-7A-0-1 12/16/13 OL19001-011 0 - 1	MW-7D-BR-0.5-1 10/21/13 92177052002 0.5 - 1
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	< 1.9 //y	NA	< 2.2 //y
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
m&p-Xylene	390000	Csat	NS	—	NA	NA	< 3.4 //y	NA	< 4 //y
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	< 7.2	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 7.2	NA	< 1.4 //y	NA	< 1.7 //y
Methylcyclohexane	NS		NS	—	< 7.2	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	**9.6**	NA	**3.1 J//y**	NA	**4.4 J//y**
n-Butylbenzene	110000	Csat	2400	—	NA	NA	< 1.7 //y	NA	< 2 //y
n-Propylbenzene	260000	Csat	1500	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
Naphthalene	18000	C	210	—	NA	NA	< 1.1 //y	NA	< 1.3 //y
o-Xylene	430000	Csat	NS	—	NA	NA	< 1.8 //y	NA	< 2.1 //y
p-Isopropyltoluene	NS		680	—	NA	NA	< 1.6 //y	NA	< 1.9 //y
Pentane, 3-methyl-	NS		NS	—	**2.4**	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	< 1.5 //y	NA	< 1.8 //y
Styrene	870000	Csat	920	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
tert-Butylbenzene	20000000	N	1700	—	NA	NA	< 1.9 //y	NA	< 2.2 //y
Tetrachloroethene	82000	N	5	—	< 7.2	NA	< 1.6 //y	NA	< 1.9 //y
Toluene	820000	Csat	5500	—	< 7.2	NA	< 1.7 //y	NA	**9 //y**
trans-1,2-Dichloroethene	140000	N	510	—	< 7.2	NA	< 1.8 //y	NA	< 2.1 //y
trans-1,3-Dichloropropene	8300	C	2.3	—	< 7.2	NA	< 1.4 //y	NA	< 1.7 //y
Trichloroethene	4000	N,M	18	—	< 7.2	NA	< 2 //y	NA	< 2.3 //y
Trichlorofluoromethane	680000	N	24000	—	< 7.2	NA	< 2.1 //y	NA	< 2.5 //y
Vinyl acetate	820000	N	370	—	NA	NA	< 8.2 //y	NA	< 9.8 //y
Vinyl chloride	1700	C,M	0.19	—	< 7.2	NA	< 1.7 //y	NA	< 2 //y
Xylenes (total)	260000	Csat	5800	—	< 7.2	NA	< 3.4 //y	NA	< 4 //y
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	< 440	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	< 440	NA	NA	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	< 440	NA	NA	NA	NA
2,4-Dichlorophenol	360000	N	14	—	< 440	NA	NA	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	< 440	NA	NA	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	< 1100	NA	NA	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	< 440	NA	NA	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	< 440	NA	NA	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	< 440	NA	NA	NA	NA
2-Chlorophenol	1000000	N	4.1	—	< 440	NA	NA	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	< 440	NA	NA	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	< 440	NA	NA	NA	NA
2-Nitroaniline	1200000	N	NS	—	< 440	NA	NA	NA	NA
2-Nitrophenol	NS		NS	—	< 440	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	< 890	NA	NA	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	< 1100	NA	NA	NA	NA
3-Nitroaniline	NS		NS	—	< 440	NA	NA	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	< 1100	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	< 440	NA	NA	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	< 440	NA	NA	NA	NA
4-Chloroaniline	8600	C	NS	—	< 440 /R/c	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	< 440	NA	NA	NA	NA
4-Nitroaniline	86000	C	NS	—	< 440	NA	NA	NA	NA
4-Nitrophenol	NS		NS	—	< 1100	NA	NA	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	< 440	NA	NA	NA	NA
Acenaphthylene	NS		21000	—	< 440	NA	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-3-0-1 01/16/12 NA18016-017 0-1	MW-3A-0-1 12/16/13 OL19001-010 0 - 1	MW-4D-0.5-1 10/21/13 92177052001 0.5 - 1	MW-7A-0-1 12/16/13 OL19001-011 0 - 1	MW-7D-BR-0.5-1 10/21/13 92177052002 0.5 - 1
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	< 440	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	< 440	NA	NA	NA	NA
Atrazine	7500	C	25	—	< 440	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	< 1100	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	< 440	NA	NA	NA	NA
Benzo(a)pyrene	210	C,M	59	—	< 440	NA	NA	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	< 440	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	< 440	NA	NA	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	< 440	NA	NA	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	< 440	NA	NA	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	< 440	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	< 440	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	< 440	NA	NA	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	< 440	NA	NA	NA	NA
Caprolactam	62000000	N	18000	—	< 1100	NA	NA	NA	NA
Carbazole	NS		370	—	< 440	NA	NA	NA	NA
Chrysene	210000	C	18000	—	< 440	NA	NA	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	< 440	NA	NA	NA	NA
Di-n-octylphthalate	NS		38000	—	< 440	NA	NA	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	< 440	NA	NA	NA	NA
Dibenzofuran	170000	Csat	5200	—	< 440	NA	NA	NA	NA
Diethylphthalate	98000000	N	37000	—	< 440	NA	NA	NA	NA
Dimethyl phthalate	NS		NS	—	< 440	NA	NA	NA	NA
Fluoranthene	4400000	N	330000	—	< 440	NA	NA	NA	NA
Fluorene	4400000	N	56000	—	< 440	NA	NA	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	< 440	NA	NA	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	< 440	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	< 1100	NA	NA	NA	NA
Hexachloroethane	43000	N	NS	—	< 440	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	< 440	NA	NA	NA	NA
Isophorone	1800000	C	210	—	< 440	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	< 440	NA	NA	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	< 440	NA	NA	NA	NA
Naphthalene	18000	C	210	—	< 440	NA	NA	NA	NA
Nitrobenzene	24000	C	NS	—	< 440	NA	NA	NA	NA
Pentachlorophenol	2700	C	31	—	< 1100	NA	NA	NA	NA
Phenanthrene	NS		68000	—	< 440	NA	NA	NA	NA
Phenol	36000000	N	230	—	< 440	NA	NA	NA	NA
Pyrene	3400000	N	220000	—	< 440	NA	NA	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	**65000**	**65000 B//**	NA	**51000 B//**	NA
Antimony	82	N	0.9	1.7	< 6.3	**5 J//**	NA	< 2.8	NA
Arsenic	1.6	C	5.8	8.0	**29**	**17**	NA	**9.6**	NA
Barium	38000	N	580	69	**15**	**28**	NA	**30**	NA
Beryllium	400	N	63	0.69	**0.65 J//**	**0.34**	NA	**0.32**	NA
Cadmium	160	N	3	1.5	**2**	< 1.3	NA	< 0.55	NA
Calcium	NS		NS	2563	**530 J//**	**1100**	NA	**1100**	NA
Chromium	100000	Max	360000	65	**78**	**54**	NA	**53**	NA
Cobalt	60	N	0.9	6.3	**1.4 J//**	**1.6 J//**	NA	**2**	NA
Copper	8200	N	700	45	**33**	**26 B//**	NA	**23 B//**	NA
Iron	100000	Max	150	79914	**81000**	**67000**	NA	**50000**	NA
Lead	800		270	58	**24**	**19 B//**	NA	**15 B//**	NA
Magnesium	NS		NS	1853	**260 J//**	**690**	NA	**820**	NA
Manganese	4600	N	65	340	**82**	**76 B//**	NA	**67 B//**	NA
Nickel	4000	N	130	14	**6.7 J//**	**9.8 BJ/B/K**	NA	**9.4 BJ//**	NA
Potassium	NS		NS	1599	**650 J//**	**1400 J//**	NA	**660 J//**	NA
Selenium	1000	N	2.1	1.6	< 6.3	**2.7 J//**	NA	**1.4 J//**	NA
Silver	1000	N	3.4	0.67	< 3.2	**4.9**	NA	**3.8**	NA
Sodium	NS		NS	441	< 3200	**400 J//**	NA	< 1400	NA
Thallium	2	N	0.28	5.2	< 32	< 33	NA	< 14	NA
Vanadium	1000	N	6	132	**150**	**140**	NA	**91**	NA
Zinc	62000	N	1200	63	**35**	**24 BJ/B/K**	NA	**22 B//**	NA
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	**1.5**	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	**0.022 J//**	**0.02 J//**	NA	**0.04 J//**	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-8-0-0.5 10/23/13 92177052010 0 - 0.5	MW-8-0.5-1 10/23/13 92177052004 0.5 - 1	MW-9-0-0.5 10/23/13 92177052011 0 - 0.5	MW-9-0.5-1 10/23/13 92177052005 0.5 - 1	MW-10-0-0.5 10/23/13 92177052013 0 - 0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	< 1.7 //y	NA	< 2 //y	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	NA	< 1.7 //y	NA	< 2 //y	NA
1,1-Dichloroethane	17000	C	30	—	NA	< 1.2 //y	NA	< 1.4 //y	NA
1,1-Dichloroethene	220000	N	45	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
1,1-Dichloropropene	NS		NS	—	NA	< 1.2 //y	NA	< 1.4 //y	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	< 1.8 //y	NA	< 2.1 //y	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	< 1.3 //y	NA	< 1.5 //y	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	< 1.3 //y	NA	< 1.5 //y	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	< 1.6 //y	NA	< 1.9 //y	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	NA	< 2.9 //y	NA	< 3.5 //y	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
1,2-Dichloroethane	2200	C	2	—	NA	< 1.8 //y	NA	< 2.1 //y	NA
1,2-Dichloropropane	4700	C	3.2	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
1,3-Dichlorobenzene	NS		2400	—	NA	< 1.6 //y	NA	< 1.9 //y	NA
1,3-Dichloropropane	1500000	Csat	NS	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	**9.8 N//y**	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
1,4-Dioxane	17000	C	12	—	NA	NA	NA	NA	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	NA	< 2.3 //y	NA	< 2.8 //y	NA
2-Chlorotoluene	910000	Csat	1200	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
2-Hexanone	280000	N	170	—	NA	< 3.1 //y	NA	< 3.8 //y	NA
4-Chlorotoluene	250000	Csat	280	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	NA	< 3 //y	NA	< 3.6 //y	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	**5.5 N//y**	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	NA	**317 //y**	NA	**79.7 J//y**	NA
Benzene	5400	C	7.3	—	NA	< 1.3 //y	NA	< 1.5 //y	NA
Bromobenzene	360000	N	NS	—	NA	< 1.6 //y	NA	< 1.9 //y	NA
Bromochloromethane	140000	N	NS	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
Bromodichloromethane	1400	C	2.9	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
Bromoform	220000	C	19	—	NA	< 1.9 //y	NA	< 2.2 //y	NA
Bromomethane (Methyl bromide)	6400	N	48	—	NA	< 2 //y	NA	< 2.4 //y	NA
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	NA	< 2.1 //y	NA	< 2.5 //y	NA
Chlorobenzene	280000	N	430	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
Chloroethane	2100000	Csat	16000	—	NA	< 1.9 //y	NA	< 2.3 //y	NA
Chloroform	1500	C	340	—	NA	< 1.3 //y	NA	< 1.5 //y	NA
Chloromethane (Methyl chloride)	100000	N	15	—	NA	< 1.9 //y	NA	< 2.3 //y	NA
cis-1,2-Dichloroethene	400000	N	360	—	NA	< 1.1 //y	NA	< 1.3 //y	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
Dibromomethane	22000	N	310	—	NA	< 2 //y	NA	< 2.4 //y	NA
Dichlorodifluoromethane	80000	N	29000	—	NA	< 2.9 //y	NA	< 3.5 //y	NA
Diisopropyl ether	2000000	N	320	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
Ethylbenzene	27000	C	8100	—	NA	< 1.4 //y	NA	< 1.7 //y	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-8-0-0.5 10/23/13 92177052010 0 - 0.5	MW-8-0.5-1 10/23/13 92177052004 0.5 - 1	MW-9-0-0.5 10/23/13 92177052011 0 - 0.5	MW-9-0.5-1 10/23/13 92177052005 0.5 - 1	MW-10-0-0.5 10/23/13 92177052013 0 - 0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	< 1.6 //y	NA	< 1.9 //y	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
m&p-Xylene	390000	Csat	NS	—	NA	< 2.9 //y	NA	< 3.5 //y	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	NA	< 1.2 //y	NA	< 1.4 //y	NA
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	NA	**3.9 J//y**	NA	**3 J//y**	NA
n-Butylbenzene	110000	Csat	2400	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
n-Propylbenzene	260000	Csat	1500	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
Naphthalene	18000	C	210	—	NA	< 0.97 //y	NA	< 1.2 //y	NA
o-Xylene	430000	Csat	NS	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
p-Isopropyltoluene	NS		680	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	< 1.3 //y	NA	< 1.5 //y	NA
Styrene	870000	Csat	920	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
tert-Butylbenzene	20000000	N	1700	—	NA	< 1.6 //y	NA	< 1.9 //y	NA
Tetrachloroethene	82000	N	5	—	NA	< 1.4 //y	NA	< 1.6 //y	NA
Toluene	820000	Csat	5500	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
trans-1,2-Dichloroethene	140000	N	510	—	NA	< 1.5 //y	NA	< 1.8 //y	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	NA	< 1.2 //y	NA	< 1.4 //y	NA
Trichloroethene	4000	N,M	18	—	NA	< 1.7 //y	NA	< 2 //y	NA
Trichlorofluoromethane	680000	N	24000	—	NA	< 1.8 //y	NA	< 2.1 //y	NA
Vinyl acetate	820000	N	370	—	NA	< 7.1 //y	NA	< 8.5 //y	NA
Vinyl chloride	1700	C,M	0.19	—	NA	< 1.4 //y	NA	< 1.7 //y	NA
Xylenes (total)	260000	Csat	5800	—	NA	< 2.9 //y	NA	< 3.5 //y	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	< 73 //y
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	< 100 //y
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	< 85.5 //y
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	< 106 //y
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	< 98.1 //y
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	**260 N//y**
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	**345 N//y**
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	**270 N//y**
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	**1120 N//y**
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	**1640 N//y**
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	**2410 N//y**
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	**37000 N//y**
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	NA	NA	< 116 //y
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	NA	NA	< 83.3 //y
2,4-Dichlorophenol	360000	N	14	—	NA	NA	NA	NA	< 82.1 //y
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	NA	NA	< 148 //y
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	NA	NA	< 61.6 //y
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	NA	NA	< 70.7 //y
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	NA	NA	< 78.7 //y
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	NA	NA	< 74.1 //y
2-Chlorophenol	1000000	N	4.1	—	NA	NA	NA	NA	< 103 //y
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	NA	NA	< 81 //y
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	NA	NA	< 114 //y
2-Nitroaniline	1200000	N	NS	—	NA	NA	NA	NA	< 116 //y
2-Nitrophenol	NS		NS	—	NA	NA	NA	NA	< 91.2 //y
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	NA	NA	< 148 //y
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	NA	NA	< 82.1 //y
3-Nitroaniline	NS		NS	—	NA	NA	NA	NA	< 103 //y
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	NA	NA	< 75.3 //y
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	< 68.4 //y
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	NA	NA	< 77.6 //y
4-Chloroaniline	8600	C	NS	—	NA	NA	NA	NA	< 105 //y
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	< 77.6 //y
4-Nitroaniline	86000	C	NS	—	NA	NA	NA	NA	< 106 //y
4-Nitrophenol	NS		NS	—	NA	NA	NA	NA	< 67.3 //y
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	**773 N//y**
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	**718 N//y**
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	**391 N//y**
Acenaphthene	6600000	N	8400	—	NA	NA	NA	NA	< 86.7 //y
Acenaphthylene	NS		21000	—	NA	NA	NA	NA	< 89 //y

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-8-0-0.5 10/23/13 92177052010 0 - 0.5	MW-8-0.5-1 10/23/13 92177052004 0.5 - 1	MW-9-0-0.5 10/23/13 92177052011 0 - 0.5	MW-9-0.5-1 10/23/13 92177052005 0.5 - 1	MW-10-0-0.5 10/23/13 92177052013 0 - 0.5
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	< 102 //y
Anthracene	34000000	N	660000	—	NA	NA	NA	NA	< 84.4 //y
Atrazine	7500	C	25	—	NA	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	NA	NA	< 69.6 //y
Benzo(a)pyrene	210	C,M	59	—	NA	NA	NA	NA	< 71.9 //y
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	NA	NA	< 65 //y
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	NA	NA	< 95.8 //y
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	NA	NA	< 74.1 //y
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	< 68.4 //y
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	< 75.3 //y
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	NA	NA	< 87.8 //y
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	NA	NA	< 95.8 //y
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	NA	NA	< 100 //y
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	NA	NA	**453 //y**
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	NA	NA	**4400 //y**
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	NA	NA	NA	< 50.2 //y
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	NA	NA	< 61.6 //y
Di-n-octylphthalate	NS		38000	—	NA	NA	NA	NA	< 78.7 //y
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	NA	NA	< 79.8 //y
Dibenzofuran	170000	Csat	5200	—	NA	NA	NA	NA	< 61.6 //y
Diethylphthalate	98000000	N	37000	—	NA	NA	NA	NA	< 58.2 //y
Dimethyl phthalate	NS		NS	—	NA	NA	NA	NA	< 76.4 //y
Fluoranthene	4400000	N	330000	—	NA	NA	NA	NA	< 54.7 //y
Fluorene	4400000	N	56000	—	NA	NA	NA	NA	< 77.6 //y
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	< 65 //y
Hexachlorobenzene	1100	C	2.6	—	NA	NA	NA	NA	< 47.9 //y
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	NA	NA	< 69.6 //y
Hexachloroethane	43000	N	NS	—	NA	NA	NA	NA	< 99.2 //y
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	NA	NA	< 77.6 //y
Isophorone	1800000	C	210	—	NA	NA	NA	NA	< 84.4 //y
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	NA	NA	< 71.9 //y
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	< 122 //y
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	NA	NA	< 112 //y
Naphthalene	18000	C	210	—	NA	NA	NA	NA	< 92.4 //y
Nitrobenzene	24000	C	NS	—	NA	NA	NA	NA	< 103 //y
Pentachlorophenol	2700	C	31	—	NA	NA	NA	NA	< 68.4 //y
Phenanthrene	NS		68000	—	NA	NA	NA	NA	< 62.7 //y
Phenol	36000000	N	230	—	NA	NA	NA	NA	< 113 //y
Pyrene	3400000	N	220000	—	NA	NA	NA	NA	< 63.9 //y
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	**13100 //y**	NA	**20800 //y**	NA	**8560 //y**
Antimony	82	N	0.9	1.7	< 0.28 //y	NA	< 0.28 //y	NA	< 0.25 //y
Arsenic	1.6	C	5.8	8.0	< 0.32 //y	NA	**4.7 //y**	NA	**6.1 //y**
Barium	38000	N	580	69	**34.1 //y**	NA	**82.8 //y**	NA	**33.4 //y**
Beryllium	400	N	63	0.69	**0.44 //y**	NA	**0.3 //y**	NA	**0.31 //y**
Cadmium	160	N	3	1.5	**1.2 //y**	NA	**0.78 //y**	NA	**1.4 //y**
Calcium	NS		NS	2563	**969 //y**	NA	**1110 //y**	NA	**1440 //y**
Chromium	100000	Max	360000	65	**42 //y**	NA	**33.2 //y**	NA	**27.1 //y**
Cobalt	60	N	0.9	6.3	**9.1 //y**	NA	**7.2 //y**	NA	**6.1 //y**
Copper	8200	N	700	45	**7.8 //y**	NA	**33.9 //y**	NA	**24.1 //y**
Iron	100000	Max	150	79914	**27600 //y**	NA	**36800 //y**	NA	**24600 //y**
Lead	800		270	58	**15.3 //y**	NA	**17.6 //y**	NA	**36.4 //y**
Magnesium	NS		NS	1853	**162 //y**	NA	**2470 //y**	NA	**1510 //y**
Manganese	4600	N	65	340	**399 //y**	NA	**293 //y**	NA	**335 //y**
Nickel	4000	N	130	14	**3.1 //y**	NA	**9.2 //y**	NA	**7.1 //y**
Potassium	NS		NS	1599	**167 J//y**	NA	**3050 //y**	NA	**599 //y**
Selenium	1000	N	2.1	1.6	< 0.38 //y	NA	< 0.39 //y	NA	< 0.33 //y
Silver	1000	N	3.4	0.67	**0.045 J//y**	NA	< 0.031 //y	NA	< 0.026 //y
Sodium	NS		NS	441	**37.4 J//y**	NA	**49.1 J//y**	NA	**14.1 J//y**
Thallium	2	N	0.28	5.2	**0.28 J//y**	NA	< 0.26 //y	NA	**0.37 J//y**
Vanadium	1000	N	6	132	**46.5 //y**	NA	**75 //y**	NA	**44.7 //y**
Zinc	62000	N	1200	63	**13.1 //y**	NA	**23.3 //y**	NA	**185 //y**
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	**0.027 //y**	NA	**0.012 //y**	NA	**0.049 //y**

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-10-0.5-1 10/23/13 92177052006 0.5 - 1	MW-10-24-25 10/23/13 92177052007 24 - 25	MW-11-0-0.5 10/22/13 92177052012 0 - 0.5	MW-11-0.5-1 10/22/13 92177052003 0.5 - 1	SB-SA-1-0-1 01/16/12 NA18016-008 0-1
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 2.7 //y	< 2 //y	NA	< 2.8 //y	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	< 5.1
1,1,2-Trichloroethane	1400	N	3.2	—	< 2.7 //y	< 2 //y	NA	< 2.8 //y	< 5.1
1,1-Dichloroethane	17000	C	30	—	< 1.9 //y	< 1.4 //y	NA	< 2 //y	< 5.1
1,1-Dichloroethene	220000	N	45	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
1,1-Dichloropropene	NS		NS	—	< 1.9 //y	< 1.4 //y	NA	< 2 //y	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	< 2.8 //y	< 2.1 //y	NA	< 2.9 //y	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	< 2 //y	< 1.5 //y	NA	< 2.1 //y	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 2 //y	< 1.5 //y	NA	< 2.1 //y	< 5.1
1,2,4-Trimethylbenzene	52000	N	6700	—	< 2.5 //y	< 1.9 //y	NA	< 2.6 //y	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 4.6 //y	< 3.4 //y	NA	< 4.8 //y	< 5.1
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
1,2-Dichlorobenzene	380000	Csat	240	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
1,2-Dichloroethane	2200	C	2	—	< 2.8 //y	< 2.1 //y	NA	< 2.9 //y	< 5.1
1,2-Dichloropropane	4700	C	3.2	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	< 5.1
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	NA
1,3-Dichlorobenzene	NS		2400	—	< 2.5 //y	< 1.9 //y	NA	< 2.6 //y	< 5.1
1,3-Dichloropropane	1500000	Csat	NS	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	NA
1,4-Dichlorobenzene	12000	C	70	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	< 5.1
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	**6.8 N//y**	NA
1.329:Unknown Alcohol	NS		NS	—	**11.8 N//y**	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
1,4-Dioxane	17000	C	12	—	NA	NA	NA	NA	< 250
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	**30 J//y**	< 2.8 //y	NA	**19.7 J//y**	< 10
2-Chlorotoluene	910000	Csat	1200	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
2-Hexanone	280000	N	170	—	< 5 //y	< 3.7 //y	NA	< 5.2 //y	< 10
4-Chlorotoluene	250000	Csat	280	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 4.7 //y	< 3.5 //y	NA	< 4.9 //y	< 10
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	**8.2 N//y**	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	**35 N//y**	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	**9.6 N//y**	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	**6.2 N//y**	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	**442 //y**	**11.6 J//y**	NA	**429 //y**	< 20
Benzene	5400	C	7.3	—	< 2 //y	< 1.5 //y	NA	< 2.1 //y	< 5.1
Bromobenzene	360000	N	NS	—	< 2.5 //y	< 1.9 //y	NA	< 2.6 //y	NA
Bromochloromethane	140000	N	NS	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
Bromodichloromethane	1400	C	2.9	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
Bromoform	220000	C	19	—	< 2.9 //y	< 2.2 //y	NA	< 3 //y	< 5.1
Bromomethane (Methyl bromide)	6400	N	48	—	< 3.2 //y	< 2.4 //y	NA	< 3.3 //y	< 5.1
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	< 5.1
Carbon tetrachloride	3000	C	2.1	—	< 3.3 //y	< 2.5 //y	NA	< 3.4 //y	< 5.1
Chlorobenzene	280000	N	430	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
Chloroethane	2100000	Csat	16000	—	< 3.1 //y	< 2.3 //y	NA	< 3.2 //y	< 5.1
Chloroform	1500	C	340	—	< 2 //y	< 1.5 //y	NA	< 2.1 //y	< 5.1
Chloromethane (Methyl chloride)	100000	N	15	—	< 3.1 //y	< 2.3 //y	NA	< 3.2 //y	< 5.1
cis-1,2-Dichloroethene	400000	N	360	—	< 1.8 //y	< 1.3 //y	NA	< 1.9 //y	< 5.1
cis-1,3-Dichloropropene	8300	C	2.3	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	< 5.1
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
Dibromomethane	22000	N	310	—	< 3.2 //y	< 2.4 //y	NA	< 3.3 //y	NA
Dichlorodifluoromethane	80000	N	29000	—	< 4.6 //y	< 3.4 //y	NA	< 4.8 //y	< 5.1
Diisopropyl ether	2000000	N	320	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
Ethylbenzene	27000	C	8100	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-10-0.5-1 10/23/13 92177052006 0.5 - 1	MW-10-24-25 10/23/13 92177052007 24 - 25	MW-11-0-0.5 10/22/13 92177052012 0 - 0.5	MW-11-0.5-1 10/22/13 92177052003 0.5 - 1	SB-SA-1-0-1 01/16/12 NA18016-008 0-1
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 2.5 //y	< 1.9 //y	NA	< 2.6 //y	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
m&p-Xylene	390000	Csat	NS	—	< 4.6 //y	< 3.4 //y	NA	< 4.8 //y	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	< 5.1
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 1.9 //y	< 1.4 //y	NA	< 2 //y	< 5.1
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	< 5.1
Methylene chloride	620000	N,M	23	—	< 3.8 //y	< 2.8 //y	NA	**5.7 J//y**	< 5.1
n-Butylbenzene	110000	Csat	2400	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	NA
n-Propylbenzene	260000	Csat	1500	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
Naphthalene	18000	C	210	—	< 1.5 //y	< 1.1 //y	NA	< 1.6 //y	NA
o-Xylene	430000	Csat	NS	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	NA
p-Isopropyltoluene	NS		680	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	< 2 //y	< 1.5 //y	NA	< 2.1 //y	NA
Styrene	870000	Csat	920	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
tert-Butylbenzene	20000000	N	1700	—	< 2.5 //y	< 1.9 //y	NA	< 2.6 //y	NA
Tetrachloroethene	82000	N	5	—	< 2.2 //y	< 1.6 //y	NA	< 2.2 //y	< 5.1
Toluene	820000	Csat	5500	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
trans-1,2-Dichloroethene	140000	N	510	—	< 2.4 //y	< 1.8 //y	NA	< 2.5 //y	< 5.1
trans-1,3-Dichloropropene	8300	C	2.3	—	< 1.9 //y	< 1.4 //y	NA	< 2 //y	< 5.1
Trichloroethene	4000	N,M	18	—	< 2.7 //y	< 2 //y	NA	< 2.8 //y	< 5.1
Trichlorofluoromethane	680000	N	24000	—	< 2.8 //y	< 2.1 //y	NA	< 2.9 //y	< 5.1
Vinyl acetate	820000	N	370	—	< 11.2 //y	< 8.4 //y	NA	< 11.6 //y	NA
Vinyl chloride	1700	C,M	0.19	—	< 2.3 //y	< 1.7 //y	NA	< 2.4 //y	< 5.1
Xylenes (total)	260000	Csat	5800	—	< 4.6 //y	< 3.4 //y	NA	< 4.8 //y	< 5.1
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	< 2100
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	< 76.6 //y	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	< 105 //y	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	< 89.7 //y	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	< 111 //y	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	< 103 //y	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	**2090 N//y**	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	< 122 //y	NA	< 2100
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	< 87.3 //y	NA	< 2100
2,4-Dichlorophenol	360000	N	14	—	NA	NA	< 86.1 //y	NA	< 2100
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	< 156 //y	NA	< 2100
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	< 64.6 //y	NA	< 5300
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	< 74.2 //y	NA	< 2100
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	< 82.6 //y	NA	< 2100
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	< 77.8 //y	NA	< 2100
2-Chlorophenol	1000000	N	4.1	—	NA	NA	< 108 //y	NA	< 2100
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	< 84.9 //y	NA	< 2100
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	< 120 //y	NA	< 2100
2-Nitroaniline	1200000	N	NS	—	NA	NA	< 122 //y	NA	< 2100
2-Nitrophenol	NS		NS	—	NA	NA	< 95.7 //y	NA	< 2100
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	< 156 //y	NA	< 4300
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	< 86.1 //y	NA	< 5300
3-Nitroaniline	NS		NS	—	NA	NA	< 108 //y	NA	< 2100
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	< 79 //y	NA	< 5300
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	< 71.8 //y	NA	< 2100
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	< 81.4 //y	NA	< 2100
4-Chloroaniline	8600	C	NS	—	NA	NA	< 110 //y	NA	< 2100 /R/c
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	< 81.4 //y	NA	< 2100
4-Nitroaniline	86000	C	NS	—	NA	NA	< 111 //y	NA	< 2100
4-Nitrophenol	NS		NS	—	NA	NA	< 70.6 //y	NA	< 5300
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	< 90.9 //y	NA	< 2100
Acenaphthylene	NS		21000	—	NA	NA	< 93.3 //y	NA	< 2100

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	MW-10-0.5-1 10/23/13 92177052006 0.5 - 1	MW-10-24-25 10/23/13 92177052007 24 - 25	MW-11-0-0.5 10/22/13 92177052012 0 - 0.5	MW-11-0.5-1 10/22/13 92177052003 0.5 - 1	SB-SA-1-0-1 01/16/12 NA18016-008 0-1
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	< 2100
Aniline	300000	C	NS	—	NA	NA	< 106 //y	NA	NA
Anthracene	34000000	N	660000	—	NA	NA	< 88.5 //y	NA	< 2100
Atrazine	7500	C	25	—	NA	NA	NA	NA	< 2100
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	< 5300
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	< 73 //y	NA	< 2100
Benzo(a)pyrene	210	C,M	59	—	NA	NA	< 75.4 //y	NA	< 2100
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	< 68.2 //y	NA	< 2100
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	< 100 //y	NA	< 2100
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	< 77.8 //y	NA	< 2100
Benzoic Acid	100000000	Max	130000	—	NA	NA	< 71.8 /M/my	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	< 79 //y	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	< 92.1 //y	NA	< 2100
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	< 100 //y	NA	< 2100
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	< 105 //y	NA	< 2100
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	< 108 //y	NA	< 2100
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	< 83.7 //y	NA	< 2100
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	< 5300
Carbazole	NS		370	—	NA	NA	NA	NA	< 2100
Chrysene	210000	C	18000	—	NA	NA	< 52.6 //y	NA	< 2100
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	< 64.6 //y	NA	< 2100
Di-n-octylphthalate	NS		38000	—	NA	NA	< 82.6 //y	NA	< 2100
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	< 83.7 //y	NA	< 2100
Dibenzofuran	170000	Csat	5200	—	NA	NA	< 64.6 //y	NA	< 2100
Diethylphthalate	98000000	N	37000	—	NA	NA	< 61 //y	NA	< 2100
Dimethyl phthalate	NS		NS	—	NA	NA	< 80.2 //y	NA	< 2100
Fluoranthene	4400000	N	330000	—	NA	NA	< 57.4 //y	NA	< 2100
Fluorene	4400000	N	56000	—	NA	NA	< 81.4 //y	NA	< 2100
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	< 68.2 //y	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	NA	< 50.2 //y	NA	< 2100
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	< 2100
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	< 73 //y	NA	< 5300
Hexachloroethane	43000	N	NS	—	NA	NA	< 104 //y	NA	< 2100
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	< 81.4 //y	NA	< 2100
Isophorone	1800000	C	210	—	NA	NA	< 88.5 //y	NA	< 2100
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	< 75.4 //y	NA	< 2100
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	< 128 //y	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	< 117 //y	NA	< 2100
Naphthalene	18000	C	210	—	NA	NA	< 96.9 //y	NA	< 2100
Nitrobenzene	24000	C	NS	—	NA	NA	< 108 //y	NA	< 2100
Pentachlorophenol	2700	C	31	—	NA	NA	< 71.8 //y	NA	< 5300
Phenanthrene	NS		68000	—	NA	NA	< 65.8 //y	NA	< 2100
Phenol	36000000	N	230	—	NA	NA	< 118 //y	NA	< 2100
Pyrene	3400000	N	220000	—	NA	NA	< 67 //y	NA	< 2100
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	**16000**
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	NA	NA	**15100 //y**	NA	**61000 /M/M**
Antimony	82	N	0.9	1.7	NA	NA	< 0.27 //y	NA	< 6.6 /M/m
Arsenic	1.6	C	5.8	8.0	NA	NA	**2.4 //y**	NA	**13**
Barium	38000	N	580	69	NA	NA	**20.1 //y**	NA	**12**
Beryllium	400	N	63	0.69	NA	NA	**0.25 //y**	NA	**0.99 J//**
Cadmium	160	N	3	1.5	NA	NA	**2.7 //y**	NA	**1.2 J//**
Calcium	NS		NS	2563	NA	NA	**5260 //y**	NA	**570 J//**
Chromium	100000	Max	360000	65	NA	NA	**29.1 //y**	NA	**76**
Cobalt	60	N	0.9	6.3	NA	NA	**7.7 //y**	NA	**4.2 J//**
Copper	8200	N	700	45	NA	NA	**14.9 //y**	NA	**22**
Iron	100000	Max	150	79914	NA	NA	**35300 //y**	NA	**100000 /M/m**
Lead	800		270	58	NA	NA	**17.4 //y**	NA	**29**
Magnesium	NS		NS	1853	NA	NA	**2580 //y**	NA	**350 J//**
Manganese	4600	N	65	340	NA	NA	**157 //y**	NA	**71**
Nickel	4000	N	130	14	NA	NA	**3.2 //y**	NA	**8.7 J//**
Potassium	NS		NS	1599	NA	NA	**582 //y**	NA	**700 J//**
Selenium	1000	N	2.1	1.6	NA	NA	< 0.37 //y	NA	< 6.6
Silver	1000	N	3.4	0.67	NA	NA	**0.41 J//y**	NA	< 3.3
Sodium	NS		NS	441	NA	NA	**29.9 J//y**	NA	< 3300
Thallium	2	N	0.28	5.2	NA	NA	**0.8 J//y**	NA	< 33
Vanadium	1000	N	6	132	NA	NA	**65.9 //y**	NA	**140**
Zinc	62000	N	1200	63	NA	NA	**32.1 //y**	NA	**47**
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	**2.7**
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	NA	NA	**0.018 //y**	NA	**0.018 J//**

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-0-1 01/09/12 NA18016-001 0-1	SB-SA-2-0-1-a 01/09/12 NA18016-002 0-1	SB-SA-2-5-6 01/09/12 NA18016-003 5-6	SB-SA-2--10-11 01/09/12 NA18016-004 10-11	SB-SA-2-15-16 01/09/12 NA18016-005 15-16
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,1,2-Trichloroethane	1400	N	3.2	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,1-Dichloroethane	17000	C	30	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,1-Dichloroethene	220000	N	45	—	< 6	< 7.9	< 9.5	**5.7**	< 7.3
1,1-Dichloropropene	NS		NS	—	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,2-Dichlorobenzene	380000	Csat	240	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,2-Dichloroethane	2200	C	2	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,2-Dichloropropane	4700	C	3.2	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	NA	NA	NA
1,4-Dioxane	17000	C	12	—	< 300	< 400	< 480	< 270	< 360
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 12	< 16	< 19	< 11	< 15
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	NA	NA	NA
2-Hexanone	280000	N	170	—	< 12	< 16	< 19	< 11	< 15
4-Chlorotoluene	250000	Csat	280	—	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 12	< 16	< 19	< 11	< 15
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	< 24	< 32	< 38	< 22	< 29
Benzene	5400	C	7.3	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Bromobenzene	360000	N	NS	—	NA	NA	NA	NA	NA
Bromochloromethane	140000	N	NS	—	NA	NA	NA	NA	NA
Bromodichloromethane	1400	C	2.9	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Bromoform	220000	C	19	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Bromomethane (Methyl bromide)	6400	N	48	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Carbon disulfide	740000	Csat	3800	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Carbon tetrachloride	3000	C	2.1	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Chlorobenzene	280000	N	430	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Chloroethane	2100000	Csat	16000	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Chloroform	1500	C	340	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Chloromethane (Methyl chloride)	100000	N	15	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
cis-1,2-Dichloroethene	400000	N	360	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
cis-1,3-Dichloropropene	8300	C	2.3	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Cyclohexane	120000	Csat	NS	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Dibromomethane	22000	N	310	—	NA	NA	NA	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Diisopropyl ether	2000000	N	320	—	NA	NA	NA	NA	NA
Ethylbenzene	27000	C	8100	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-0-1 01/09/12 NA18016-001 0-1	SB-SA-2-0-1-a 01/09/12 NA18016-002 0-1	SB-SA-2-5-6 01/09/12 NA18016-003 5-6	SB-SA-2--10-11 01/09/12 NA18016-004 10-11	SB-SA-2-15-16 01/09/12 NA18016-005 15-16
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
m&p-Xylene	390000	Csat	NS	—	NA	NA	NA	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Methylcyclohexane	NS		NS	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Methylene chloride	620000	N,M	23	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
n-Butylbenzene	110000	Csat	2400	—	NA	NA	NA	NA	NA
n-Propylbenzene	260000	Csat	1500	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
o-Xylene	430000	Csat	NS	—	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS		680	—	NA	NA	NA	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	NA	NA	NA
Styrene	870000	Csat	920	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
tert-Butylbenzene	20000000	N	1700	—	NA	NA	NA	NA	NA
Tetrachloroethene	82000	N	5	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Toluene	820000	Csat	5500	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
trans-1,2-Dichloroethene	140000	N	510	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
trans-1,3-Dichloropropene	8300	C	2.3	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Trichloroethene	4000	N,M	18	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Trichlorofluoromethane	680000	N	24000	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Vinyl acetate	820000	N	370	—	NA	NA	NA	NA	NA
Vinyl chloride	1700	C,M	0.19	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
Xylenes (total)	260000	Csat	5800	—	< 6	< 7.9	< 9.5	< 5.4	< 7.3
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	< 450	< 610	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	< 450	< 610	NA	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	< 450	< 610	NA	NA	NA
2,4-Dichlorophenol	360000	N	14	—	< 450	< 610	NA	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	< 450	< 610	NA	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	< 1100	< 1500	NA	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	< 450	< 610	NA	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	< 450	< 610	NA	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	< 450	< 610	NA	NA	NA
2-Chlorophenol	1000000	N	4.1	—	< 450	< 610	NA	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	< 450	< 610	NA	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	< 450	< 610	NA	NA	NA
2-Nitroaniline	1200000	N	NS	—	< 450	< 610	NA	NA	NA
2-Nitrophenol	NS		NS	—	< 450	< 610	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	< 920	< 1200	NA	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	< 1100	< 1500	NA	NA	NA
3-Nitroaniline	NS		NS	—	< 450	< 610	NA	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	< 1100	< 1500	NA	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	< 450	< 610	NA	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	< 450	< 610	NA	NA	NA
4-Chloroaniline	8600	C	NS	—	< 450 /R/c	< 610 /R/c	NA	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	< 450	< 610	NA	NA	NA
4-Nitroaniline	86000	C	NS	—	< 450	< 610	NA	NA	NA
4-Nitrophenol	NS		NS	—	< 1100	< 1500	NA	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	< 450	< 610	NA	NA	NA
Acenaphthylene	NS		21000	—	< 450	< 610	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-0-1 01/09/12 NA18016-001 0-1	SB-SA-2-0-1-a 01/09/12 NA18016-002 0-1	SB-SA-2-5-6 01/09/12 NA18016-003 5-6	SB-SA-2--10-11 01/09/12 NA18016-004 10-11	SB-SA-2-15-16 01/09/12 NA18016-005 15-16
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	< 450	< 610	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	< 450	< 610	NA	NA	NA
Atrazine	7500	C	25	—	< 450	< 610	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	< 1100	< 1500	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	< 450	< 610	NA	NA	NA
Benzo(a)pyrene	210	C,M	59	—	< 450	< 610	NA	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	< 450	< 610	NA	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	< 450	< 610	NA	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	< 450	< 610	NA	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	< 450	< 610	NA	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	< 450	< 610	NA	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	< 450	< 610	NA	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	< 450	< 610	NA	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	< 450	< 610	NA	NA	NA
Caprolactam	62000000	N	18000	—	< 1100	< 1500	NA	NA	NA
Carbazole	NS		370	—	< 450	< 610	NA	NA	NA
Chrysene	210000	C	18000	—	< 450	< 610	NA	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	< 450	< 610	NA	NA	NA
Di-n-octylphthalate	NS		38000	—	< 450	< 610	NA	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	< 450	< 610	NA	NA	NA
Dibenzofuran	170000	Csat	5200	—	< 450	< 610	NA	NA	NA
Diethylphthalate	98000000	N	37000	—	< 450	< 610	NA	NA	NA
Dimethyl phthalate	NS		NS	—	< 450	< 610	NA	NA	NA
Fluoranthene	4400000	N	330000	—	< 450	< 610	NA	NA	NA
Fluorene	4400000	N	56000	—	< 450	< 610	NA	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	< 450	< 610	NA	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	< 450	< 610	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	< 1100	< 1500	NA	NA	NA
Hexachloroethane	43000	N	NS	—	< 450	< 610	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	< 450	< 610	NA	NA	NA
Isophorone	1800000	C	210	—	< 450	< 610	NA	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	< 450	< 610	NA	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	< 450	< 610	NA	NA	NA
Naphthalene	18000	C	210	—	< 450	< 610	NA	NA	NA
Nitrobenzene	24000	C	NS	—	< 450	< 610	NA	NA	NA
Pentachlorophenol	2700	C	31	—	< 1100	< 1500	NA	NA	NA
Phenanthrene	NS		68000	—	< 450	< 610	NA	NA	NA
Phenol	36000000	N	230	—	< 450	< 610	NA	NA	NA
Pyrene	3400000	N	220000	—	< 450	< 610	NA	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	**74000 /J/A**	**110000**	NA	NA	NA
Antimony	82	N	0.9	1.7	< 3.4	< 9.2	NA	NA	NA
Arsenic	1.6	C	5.8	8.0	**18 /J/A**	**9.8**	NA	NA	NA
Barium	38000	N	580	69	**38**	**35**	NA	NA	NA
Beryllium	400	N	63	0.69	**0.43 J//**	**0.57 J//**	NA	NA	NA
Cadmium	160	N	3	1.5	**0.27 J//**	**0.25 J//**	NA	NA	NA
Calcium	NS		NS	2563	**9500**	**1100 J//**	NA	NA	NA
Chromium	100000	Max	360000	65	**100**	**120**	NA	NA	NA
Cobalt	60	N	0.9	6.3	**4.6 J//**	**4.3 J//**	NA	NA	NA
Copper	8200	N	700	45	**28 /J/A**	**36**	NA	NA	NA
Iron	100000	Max	150	79914	**96000**	**140000**	NA	NA	NA
Lead	800		270	58	**27**	**35**	NA	NA	NA
Magnesium	NS		NS	1853	**6800**	**790 J//**	NA	NA	NA
Manganese	4600	N	65	340	**130**	**97**	NA	NA	NA
Nickel	4000	N	130	14	**19**	**14 J//**	NA	NA	NA
Potassium	NS		NS	1599	**1400 J//**	**990 J//**	NA	NA	NA
Selenium	1000	N	2.1	1.6	< 3.4	**3.7 J//**	NA	NA	NA
Silver	1000	N	3.4	0.67	< 1.7	< 4.6	NA	NA	NA
Sodium	NS		NS	441	**140 J//**	< 4600	NA	NA	NA
Thallium	2	N	0.28	5.2	< 17	< 46	NA	NA	NA
Vanadium	1000	N	6	132	**180 /J/A**	**280**	NA	NA	NA
Zinc	62000	N	1200	63	**42**	**49**	NA	NA	NA
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	< 1.4	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	**0.1 J//**	**0.17**	NA	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-20-21 01/09/12 NA18016-006 20-21	SB-SA-3-0-1 01/16/12 NA18016-007 0-1	SB-SA-4-0-1 01/16/12 NA18016-009 0-1	SB-SA-5-0-1 01/16/12 NA18016-010 0-1	SB-SA-6-0-1 01/16/12 NA18016-012 0-1
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,1,2-Trichloroethane	1400	N	3.2	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,1-Dichloroethane	17000	C	30	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,1-Dichloroethene	220000	N	45	—	**25**	< 4.7	< 5.9	**4 J//**	< 5
1,1-Dichloropropene	NS		NS	—	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 6.6	< 4.7 /M/mD	< 5.9	< 5.6	< 5
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,2-Dichlorobenzene	380000	Csat	240	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,2-Dichloroethane	2200	C	2	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,2-Dichloropropane	4700	C	3.2	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	NA	NA	NA
1,4-Dioxane	17000	C	12	—	**150 J//**	< 230	< 290	< 280	< 250
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 13	< 9.4	< 12	< 11	< 10
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	NA	NA	NA
2-Hexanone	280000	N	170	—	< 13	< 9.4	< 12	< 11	< 10
4-Chlorotoluene	250000	Csat	280	—	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 13	< 9.4	< 12	< 11	< 10
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	< 26	< 19	< 24	< 22	< 20
Benzene	5400	C	7.3	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Bromobenzene	360000	N	NS	—	NA	NA	NA	NA	NA
Bromochloromethane	140000	N	NS	—	NA	NA	NA	NA	NA
Bromodichloromethane	1400	C	2.9	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Bromoform	220000	C	19	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Bromomethane (Methyl bromide)	6400	N	48	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Carbon disulfide	740000	Csat	3800	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Carbon tetrachloride	3000	C	2.1	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Chlorobenzene	280000	N	430	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Chloroethane	2100000	Csat	16000	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Chloroform	1500	C	340	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Chloromethane (Methyl chloride)	100000	N	15	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
cis-1,2-Dichloroethene	400000	N	360	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
cis-1,3-Dichloropropene	8300	C	2.3	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Cyclohexane	120000	Csat	NS	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Dibromomethane	22000	N	310	—	NA	NA	NA	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Diisopropyl ether	2000000	N	320	—	NA	NA	NA	NA	NA
Ethylbenzene	27000	C	8100	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-20-21 01/09/12 NA18016-006 20-21	SB-SA-3-0-1 01/16/12 NA18016-007 0-1	SB-SA-4-0-1 01/16/12 NA18016-009 0-1	SB-SA-5-0-1 01/16/12 NA18016-010 0-1	SB-SA-6-0-1 01/16/12 NA18016-012 0-1
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
m&p-Xylene	390000	Csat	NS	—	NA	NA	NA	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	**21**	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Methylcyclohexane	NS		NS	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Methylene chloride	620000	N,M	23	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
n-Butylbenzene	110000	Csat	2400	—	NA	NA	NA	NA	NA
n-Propylbenzene	260000	Csat	1500	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
o-Xylene	430000	Csat	NS	—	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS		680	—	NA	NA	NA	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	NA	NA	NA
Styrene	870000	Csat	920	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
tert-Butylbenzene	20000000	N	1700	—	NA	NA	NA	NA	NA
Tetrachloroethene	82000	N	5	—	**2.5 J//**	< 4.7	< 5.9	< 5.6	< 5
Toluene	820000	Csat	5500	—	< 6.6	**24 /M/m**	< 5.9	< 5.6	< 5
trans-1,2-Dichloroethene	140000	N	510	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
trans-1,3-Dichloropropene	8300	C	2.3	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Trichloroethene	4000	N,M	18	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Trichlorofluoromethane	680000	N	24000	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Vinyl acetate	820000	N	370	—	NA	NA	NA	NA	NA
Vinyl chloride	1700	C,M	0.19	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
Xylenes (total)	260000	Csat	5800	—	< 6.6	< 4.7	< 5.9	< 5.6	< 5
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	< 1900	< 2100	< 2200	< 2100
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	< 1900	< 2100	< 2200	< 2100
2,4,6-Trichlorophenol	120000	N	160	—	NA	< 1900	< 2100	< 2200	< 2100
2,4-Dichlorophenol	360000	N	14	—	NA	< 1900	< 2100	< 2200	< 2100
2,4-Dimethylphenol	2400000	N	1400	—	NA	< 1900	< 2100	< 2200	< 2100
2,4-Dinitrophenol	240000	N	NS	—	NA	< 4800	< 5300	< 5500	< 5200
2,4-Dinitrotoluene	5500	C	1.6	—	NA	< 1900	< 2100	< 2200	< 2100
2,6-Dinitrotoluene	120000	N	NS	—	NA	< 1900	< 2100	< 2200	< 2100
2-Chloronaphthalene	180000	Csat	NS	—	NA	< 1900	< 2100	< 2200	< 2100
2-Chlorophenol	1000000	N	4.1	—	NA	< 1900	< 2100	< 2200	< 2100
2-Methylnaphthalene	370000	Csat	1600	—	NA	< 1900	< 2100	< 2200	< 2100
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
2-Nitroaniline	1200000	N	NS	—	NA	< 1900	< 2100	< 2200	< 2100
2-Nitrophenol	NS		NS	—	NA	< 1900	< 2100	< 2200	< 2100
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	< 3900	< 4300	< 4500	< 4200
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	< 4800	< 5300	< 5500	< 5200
3-Nitroaniline	NS		NS	—	NA	< 1900	< 2100	< 2200	< 2100
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	< 4800	< 5300	< 5500	< 5200
4-Bromophenyl phenyl ether	NS		NS	—	NA	< 1900	< 2100	< 2200	< 2100
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	< 1900	< 2100	< 2200	< 2100
4-Chloroaniline	8600	C	NS	—	NA	< 1900 /MR/Dc	< 2100 /R/c	< 2200 /R/c	< 2100 /R/c
4-Chlorophenyl phenyl ether	NS		NS	—	NA	< 1900	< 2100	< 2200	< 2100
4-Nitroaniline	86000	C	NS	—	NA	< 1900	< 2100	< 2200	< 2100
4-Nitrophenol	NS		NS	—	NA	< 4800	< 5300	< 5500	< 5200
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	< 1900	< 2100	< 2200	< 2100
Acenaphthylene	NS		21000	—	NA	< 1900	< 2100	< 2200	< 2100

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-2-20-21 01/09/12 NA18016-006 20-21	SB-SA-3-0-1 01/16/12 NA18016-007 0-1	SB-SA-4-0-1 01/16/12 NA18016-009 0-1	SB-SA-5-0-1 01/16/12 NA18016-010 0-1	SB-SA-6-0-1 01/16/12 NA18016-012 0-1
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	< 1900	< 2100	< 2200	< 2100
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	NA	< 1900	< 2100	< 2200	< 2100
Atrazine	7500	C	25	—	NA	< 1900	< 2100	< 2200	< 2100
Benzaldehyde	1200000	Csat	3000	—	NA	< 4800 /M/D	< 5300	< 5500	< 5200
Benzo(a)anthracene	2100	C,M	180	—	NA	**110 J//**	< 2100	< 2200	**130 J//**
Benzo(a)pyrene	210	C,M	59	—	NA	< 1900	< 2100	< 2200	< 2100
Benzo(b)fluoranthene	2100	C,M	600	—	NA	< 1900	< 2100	< 2200	< 2100
Benzo(g,h,i)perylene	NS		7800000	—	NA	< 1900	< 2100	< 2200	< 2100
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	< 1900	< 2100	< 2200	< 2100
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	< 1900	< 2100	< 2200	< 2100
Butyl benzyl phthalate	910000	C	150000	—	NA	< 1900	< 2100	< 2200	< 2100
Caprolactam	62000000	N	18000	—	NA	< 4800	< 5300	< 5500	< 5200
Carbazole	NS		370	—	NA	< 1900	< 2100	< 2200	< 2100
Chrysene	210000	C	18000	—	NA	< 1900	< 2100	< 2200	< 2100
Di-n-butyl phthalate	12000000	N	19000	—	NA	< 1900	< 2100	< 2200	< 2100
Di-n-octylphthalate	NS		38000	—	NA	< 1900	< 2100	< 2200	< 2100
Dibenzo(a,h)anthracene	210	C	190	—	NA	< 1900	< 2100	< 2200	< 2100
Dibenzofuran	170000	Csat	5200	—	NA	< 1900	< 2100	< 2200	< 2100
Diethylphthalate	98000000	N	37000	—	NA	< 1900	< 2100	< 2200	< 2100
Dimethyl phthalate	NS		NS	—	NA	< 1900	< 2100	< 2200	< 2100
Fluoranthene	4400000	N	330000	—	NA	**88 J//**	< 2100	< 2200	**120 J//**
Fluorene	4400000	N	56000	—	NA	< 1900	< 2100	< 2200	< 2100
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	< 1900	< 2100	< 2200	< 2100
Hexachlorobutadiene	22000	C	8.7	—	NA	< 1900	< 2100	< 2200	< 2100
Hexachlorocyclopentadiene	740000	N	NS	—	NA	< 4800	< 5300	< 5500	< 5200
Hexachloroethane	43000	N	NS	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	< 1900	< 2100	< 2200	< 2100
Isophorone	1800000	C	210	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	< 1900	< 2100	< 2200	< 2100
Naphthalene	18000	C	210	—	NA	< 1900	< 2100	< 2200	< 2100
Nitrobenzene	24000	C	NS	—	NA	< 1900 /M/D	< 2100	< 2200	< 2100
Pentachlorophenol	2700	C	31	—	NA	< 4800	< 5300	< 5500	< 5200
Phenanthrene	NS		68000	—	NA	**160 J//**	< 2100	< 2200	**84 J//**
Phenol	36000000	N	230	—	NA	< 1900	< 2100	< 2200	< 2100
Pyrene	3400000	N	220000	—	NA	< 1900	< 2100	< 2200	**96 J//**
Unknown Aldol Condensate	NS		NS	—	NA	**14000**	**21000**	**17000**	**19000**
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	NA	**42000 /M/M**	**53000**	**77000**	**44000**
Antimony	82	N	0.9	1.7	NA	< 5.5 /M/m	< 6.1	**3.1 J//**	**3.2 J//**
Arsenic	1.6	C	5.8	8.0	NA	< 5.5	**8.9**	**11**	**5.7 J//**
Barium	38000	N	580	69	NA	**48**	**31**	**29**	**36**
Beryllium	400	N	63	0.69	NA	< 2.2	**0.48 J//**	**0.44 J//**	**0.66 J//**
Cadmium	160	N	3	1.5	NA	**0.37 J//**	**0.48 J//**	**1.3**	**0.76 J//**
Calcium	NS		NS	2563	NA	**780 J//**	**980 J//**	**1400 J//**	**750 J//**
Chromium	100000	Max	360000	65	NA	**120**	**47**	**68**	**49**
Cobalt	60	N	0.9	6.3	NA	**7.2 J//**	**3.7 J//**	**5.1 J//**	**4.4 J//**
Copper	8200	N	700	45	NA	**20**	**30**	**26**	**39**
Iron	100000	Max	150	79914	NA	**68000 /M/m**	**66000**	**85000**	**66000**
Lead	800		270	58	NA	**22**	**24**	**21**	**20**
Magnesium	NS		NS	1853	NA	**2100 J/M/M**	**580 J//**	**860 J//**	**830 J//**
Manganese	4600	N	65	340	NA	**260 /M/MD**	**110**	**80**	**100**
Nickel	4000	N	130	14	NA	**17 J//**	**7.2 J//**	**13 J//**	**14 J//**
Potassium	NS		NS	1599	NA	**2600 J/M/M**	**660 J//**	**850 J//**	**1200 J//**
Selenium	1000	N	2.1	1.6	NA	< 5.5	< 6.1	< 6.5	< 5.9
Silver	1000	N	3.4	0.67	NA	< 2.7	< 3.1	< 3.2	< 2.9
Sodium	NS		NS	441	NA	< 2700	< 3100	**290 J//**	< 2900
Thallium	2	N	0.28	5.2	NA	< 27	< 31	< 32	< 29
Vanadium	1000	N	6	132	NA	**110**	**120**	**150**	**140**
Zinc	62000	N	1200	63	NA	**57**	**32**	**37**	**31**
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	< 1.2	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	NA	< 0.084	**0.047 J//**	**0.15**	**0.01 J//**

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-7-0-1 01/16/12 NA18016-013 0-1	SB-SA-7-0-1-a 01/16/12 NA18016-014 0-1	SB-SA-8-0-1 01/16/12 NA18016-015 0-1	SB-SA-9-0-1 01/16/12 NA18016-016 0-1	SB-SA-10-0-0.5 10/28/13 92177472009 0 - 0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1-Dichloroethane	17000	C	30	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1-Dichloroethene	220000	N	45	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,1-Dichloropropene	NS		NS	—	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,2-Dichlorobenzene	380000	Csat	240	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,2-Dichloroethane	2200	C	2	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,2-Dichloropropane	4700	C	3.2	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1,3-Dichloropropane	1500000	Csat	NS	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	NA	NA	NA	NA	NA
1,4-Dioxane	17000	C	12	—	< 230	< 250	< 220	< 260	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 9.3	< 9.9	< 9	< 10	NA
2-Chlorotoluene	910000	Csat	1200	—	NA	NA	NA	NA	NA
2-Hexanone	280000	N	170	—	< 9.3	< 9.9	< 9	< 10	NA
4-Chlorotoluene	250000	Csat	280	—	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 9.3	< 9.9	< 9	< 10	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	< 19	< 20	< 18	< 21	NA
Benzene	5400	C	7.3	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Bromobenzene	360000	N	NS	—	NA	NA	NA	NA	NA
Bromochloromethane	140000	N	NS	—	NA	NA	NA	NA	NA
Bromodichloromethane	1400	C	2.9	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Bromoform	220000	C	19	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Bromomethane (Methyl bromide)	6400	N	48	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Carbon disulfide	740000	Csat	3800	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Carbon tetrachloride	3000	C	2.1	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Chlorobenzene	280000	N	430	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Chloroethane	2100000	Csat	16000	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Chloroform	1500	C	340	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Chloromethane (Methyl chloride)	100000	N	15	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
cis-1,2-Dichloroethene	400000	N	360	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Cyclohexane	120000	Csat	NS	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Dibromomethane	22000	N	310	—	NA	NA	NA	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Diisopropyl ether	2000000	N	320	—	NA	NA	NA	NA	NA
Ethylbenzene	27000	C	8100	—	< 4.7	< 4.9	< 4.5	< 5.1	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-7-0-1 01/16/12 NA18016-013 0-1	SB-SA-7-0-1-a 01/16/12 NA18016-014 0-1	SB-SA-8-0-1 01/16/12 NA18016-015 0-1	SB-SA-9-0-1 01/16/12 NA18016-016 0-1	SB-SA-10-0-0.5 10/28/13 92177472009 0 - 0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
m&p-Xylene	390000	Csat	NS	—	NA	NA	NA	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Methylcyclohexane	NS		NS	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Methylene chloride	620000	N,M	23	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
n-Butylbenzene	110000	Csat	2400	—	NA	NA	NA	NA	NA
n-Propylbenzene	260000	Csat	1500	—	NA	NA	NA	NA	NA
Naphthalene	18000	C	210	—	NA	NA	NA	NA	NA
o-Xylene	430000	Csat	NS	—	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS		680	—	NA	NA	NA	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	NA	NA	NA	NA	NA
Styrene	870000	Csat	920	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
tert-Butylbenzene	20000000	N	1700	—	NA	NA	NA	NA	NA
Tetrachloroethene	82000	N	5	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Toluene	820000	Csat	5500	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
trans-1,2-Dichloroethene	140000	N	510	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Trichloroethene	4000	N,M	18	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Trichlorofluoromethane	680000	N	24000	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Vinyl acetate	820000	N	370	—	NA	NA	NA	NA	NA
Vinyl chloride	1700	C,M	0.19	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
Xylenes (total)	260000	Csat	5800	—	< 4.7	< 4.9	< 4.5	< 5.1	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	< 440	< 360	< 380	< 440	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	< 440	< 360	< 380	< 440	NA
2,4,6-Trichlorophenol	120000	N	160	—	< 440	< 360	< 380	< 440	NA
2,4-Dichlorophenol	360000	N	14	—	< 440	< 360	< 380	< 440	NA
2,4-Dimethylphenol	2400000	N	1400	—	< 440	< 360	< 380	< 440	NA
2,4-Dinitrophenol	240000	N	NS	—	< 1100	< 910	< 950	< 1100	NA
2,4-Dinitrotoluene	5500	C	1.6	—	< 440	< 360	< 380	< 440	NA
2,6-Dinitrotoluene	120000	N	NS	—	< 440	< 360	< 380	< 440	NA
2-Chloronaphthalene	180000	Csat	NS	—	< 440	< 360	< 380	< 440	NA
2-Chlorophenol	1000000	N	4.1	—	< 440	< 360	< 380	< 440	NA
2-Methylnaphthalene	370000	Csat	1600	—	< 440	< 360	< 380	< 440	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	< 440	< 360	< 380	< 440	NA
2-Nitroaniline	1200000	N	NS	—	< 440	< 360	< 380	< 440	NA
2-Nitrophenol	NS		NS	—	< 440	< 360	< 380	< 440	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	< 880	< 740	< 770	< 900	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	< 1100	< 910	< 950	< 1100	NA
3-Nitroaniline	NS		NS	—	< 440	< 360	< 380	< 440	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	< 1100	< 910	< 950	< 1100	NA
4-Bromophenyl phenyl ether	NS		NS	—	< 440	< 360	< 380	< 440	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	< 440	< 360	< 380	< 440	NA
4-Chloroaniline	8600	C	NS	—	< 440 /R/c	< 360 /R/c	< 380 /R/c	< 440 /R/c	NA
4-Chlorophenyl phenyl ether	NS		NS	—	< 440	< 360	< 380	< 440	NA
4-Nitroaniline	86000	C	NS	—	< 440	< 360	< 380	< 440	NA
4-Nitrophenol	NS		NS	—	< 1100	< 910	< 950	< 1100	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	< 440	< 360	< 380	< 440	NA
Acenaphthylene	NS		21000	—	< 440	< 360	< 380	< 440	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-7-0-1 01/16/12 NA18016-013 0-1	SB-SA-7-0-1-a 01/16/12 NA18016-014 0-1	SB-SA-8-0-1 01/16/12 NA18016-015 0-1	SB-SA-9-0-1 01/16/12 NA18016-016 0-1	SB-SA-10-0-0.5 10/28/13 92177472009 0 - 0.5
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	< 440	< 360	< 380	< 440	NA
Aniline	300000	C	NS	—	NA	NA	NA	NA	NA
Anthracene	34000000	N	660000	—	< 440	< 360	< 380	< 440	NA
Atrazine	7500	C	25	—	< 440	< 360	< 380	< 440	NA
Benzaldehyde	1200000	Csat	3000	—	< 1100	< 910	< 950	< 1100	NA
Benzo(a)anthracene	2100	C,M	180	—	< 440	< 360	< 380	< 440	NA
Benzo(a)pyrene	210	C,M	59	—	< 440	< 360	< 380	< 440	NA
Benzo(b)fluoranthene	2100	C,M	600	—	< 440	< 360	< 380	< 440	NA
Benzo(g,h,i)perylene	NS		7800000	—	< 440	< 360	< 380	< 440	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	< 440	< 360	< 380	< 440	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	< 440	< 360	< 380	< 440	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	< 440	< 360	< 380	< 440	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	< 440	< 360	< 380	< 440	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	< 440	< 360	< 380	< 440	NA
Butyl benzyl phthalate	910000	C	150000	—	< 440	< 360	< 380	< 440	NA
Caprolactam	62000000	N	18000	—	< 1100	< 910	< 950	< 1100	NA
Carbazole	NS		370	—	< 440	< 360	< 380	< 440	NA
Chrysene	210000	C	18000	—	< 440	< 360	< 380	< 440	NA
Di-n-butyl phthalate	12000000	N	19000	—	< 440	< 360	< 380	< 440	NA
Di-n-octylphthalate	NS		38000	—	< 440	< 360	< 380	< 440	NA
Dibenzo(a,h)anthracene	210	C	190	—	< 440	< 360	< 380	< 440	NA
Dibenzofuran	170000	Csat	5200	—	< 440	< 360	< 380	< 440	NA
Diethylphthalate	98000000	N	37000	—	< 440	< 360	< 380	< 440	NA
Dimethyl phthalate	NS		NS	—	< 440	< 360	< 380	< 440	NA
Fluoranthene	4400000	N	330000	—	< 440	< 360	< 380	< 440	NA
Fluorene	4400000	N	56000	—	< 440	< 360	< 380	< 440	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorobenzene	1100	C	2.6	—	< 440	< 360	< 380	< 440	NA
Hexachlorobutadiene	22000	C	8.7	—	< 440	< 360	< 380	< 440	NA
Hexachlorocyclopentadiene	740000	N	NS	—	< 1100	< 910	< 950	< 1100	NA
Hexachloroethane	43000	N	NS	—	< 440	< 360	< 380	< 440	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	< 440	< 360	< 380	< 440	NA
Isophorone	1800000	C	210	—	< 440	< 360	< 380	< 440	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	< 440	< 360	< 380	< 440	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	< 440	< 360	< 380	< 440	NA
Naphthalene	18000	C	210	—	< 440	< 360	< 380	< 440	NA
Nitrobenzene	24000	C	NS	—	< 440	< 360	< 380	< 440	NA
Pentachlorophenol	2700	C	31	—	< 1100	< 910	< 950	< 1100	NA
Phenanthrene	NS		68000	—	< 440	< 360	< 380	< 440	NA
Phenol	36000000	N	230	—	< 440	< 360	< 380	< 440	NA
Pyrene	3400000	N	220000	—	< 440	< 360	< 380	< 440	NA
Unknown Aldol Condensate	NS		NS	—	NA	**10000**	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	**51000**	**44000**	**41000**	**61000**	**18100**
Antimony	82	N	0.9	1.7	< 6.5	**330 /J/A**	**3.1 J//**	**3.5 J//**	< 0.26
Arsenic	1.6	C	5.8	8.0	**5.8 J//**	< 5.5	**6.5**	**7.6**	< 0.29
Barium	38000	N	580	69	**43 /J/A**	**26**	**86**	**55**	**15.6**
Beryllium	400	N	63	0.69	**0.59 J//**	**0.49 J//**	< 2.2	< 2.6	**0.22**
Cadmium	160	N	3	1.5	**0.97 J//**	**140 /J/A**	**0.73 J//**	**0.46 J//**	**3.5**
Calcium	NS		NS	2563	**470 J//**	**300 J//**	**21000**	**930 J//**	**1830**
Chromium	100000	Max	360000	65	**87**	**68**	**60**	**76**	**55.7**
Cobalt	60	N	0.9	6.3	**44**	**44**	**10 J//**	**11 J//**	< 0.13
Copper	8200	N	700	45	**86**	**62**	**34**	**140**	**7.2**
Iron	100000	Max	150	79914	**100000**	**89000**	**53000**	**140000**	**46000**
Lead	800		270	58	**31**	< 5.5	**29**	**50**	**18.1**
Magnesium	NS		NS	1853	**1400 J//**	**730 J//**	**11000**	**5400**	**694**
Manganese	4600	N	65	340	**1600 /J/A**	**530**	**350**	**360**	**90.7**
Nickel	4000	N	130	14	**27**	**25**	**22**	**32**	**2.3**
Potassium	NS		NS	1599	**1500 J//**	**610 J//**	**4400**	**8700**	**320 J//**
Selenium	1000	N	2.1	1.6	< 6.5	**390 /J/A**	< 5.4	< 6.6	**0.66 J//**
Silver	1000	N	3.4	0.67	< 3.2	< 2.8	< 2.7	< 3.3	**0.18 J//**
Sodium	NS		NS	441	< 3200	< 2800	< 2700	**300 J//**	**9.9 J,B/B/K**
Thallium	2	N	0.28	5.2	< 32	**640 /J/A**	< 27	< 33	**0.92 J//**
Vanadium	1000	N	6	132	**170**	**130**	**91**	**200**	**82.2**
Zinc	62000	N	1200	63	**74 /J/A**	**44**	**100**	**250**	**11**
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	< 1.3	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	**0.023 J//**	**0.019 J//**	**0.026 J//**	**0.016 J//**	**0.039 /J/A**

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-10-0.5-1 10/28/13 92177472010 0.5 - 1	SB-SA-10-0.5-1-a 10/28/13 92177472011 0.5 - 1	SB-SA-11-0.5-1 10/28/13 92177472005 0.5 - 1	SB-SA-12-0-0.5 10/28/13 92177472012 0 - 0.5	SB-SA-12-0-0.5-a 10/28/13 92177472013 0 - 0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 2.4	< 2	< 2.2	NA	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 2.1	< 1.7	< 1.9	NA	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 2.2	< 1.8	< 2	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 2.4	< 2	< 2.2	NA	NA
1,1-Dichloroethane	17000	C	30	—	< 1.7	< 1.4	< 1.6	NA	NA
1,1-Dichloroethene	220000	N	45	—	**3.3 J//**	**3.3 J//**	< 1.9	NA	NA
1,1-Dichloropropene	NS		NS	—	< 1.7	< 1.4	< 1.6	NA	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	< 2.6	< 2.1	< 2.3	NA	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	< 1.9	< 1.5	< 1.7	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 1.9	< 1.5	< 1.7	NA	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	< 2.3	< 1.9	< 2.1	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 4.2	< 3.4	< 3.8	NA	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 2.1	< 1.7	< 1.9	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	< 2.2	< 1.8	< 2	NA	NA
1,2-Dichloroethane	2200	C	2	—	< 2.6	< 2.1	< 2.3	NA	NA
1,2-Dichloropropane	4700	C	3.2	—	< 2	< 1.6	< 1.8	NA	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 2.1	< 1.7	< 1.9	NA	NA
1,3-Dichlorobenzene	NS		2400	—	< 2.3	< 1.9	< 2.1	NA	NA
1,3-Dichloropropane	1500000	Csat	NS	—	< 2.2	< 1.8	< 2	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	< 2	< 1.6	< 1.8	NA	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	< 2	< 1.6	< 1.8	NA	NA
1,4-Dioxane	17000	C	12	—	< 140	< 114	< 127	NA	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 3.4	< 2.8	< 3.1	NA	NA
2-Chlorotoluene	910000	Csat	1200	—	< 2	< 1.6	< 1.8	NA	NA
2-Hexanone	280000	N	170	—	< 4.5	< 3.7	< 4.1	NA	NA
4-Chlorotoluene	250000	Csat	280	—	< 2.1	< 1.7	< 1.9	NA	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 4.3	< 3.5	< 3.9	NA	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	**171 A+//**	**133 A+//**	**137 A+//**	NA	NA
Benzene	5400	C	7.3	—	< 1.9	< 1.5	< 1.7	NA	NA
Bromobenzene	360000	N	NS	—	< 2.3	< 1.9	< 2.1	NA	NA
Bromochloromethane	140000	N	NS	—	< 2	< 1.6	< 1.8	NA	NA
Bromodichloromethane	1400	C	2.9	—	< 2.2	< 1.8	< 2	NA	NA
Bromoform	220000	C	19	—	< 2.7	< 2.2	< 2.4	NA	NA
Bromomethane (Methyl bromide)	6400	N	48	—	< 2.9	< 2.4	< 2.6	NA	NA
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	< 3	< 2.5	< 2.7	NA	NA
Chlorobenzene	280000	N	430	—	< 2.2	< 1.8	< 2	NA	NA
Chloroethane	2100000	Csat	16000	—	< 2.8	< 2.3	< 2.5	NA	NA
Chloroform	1500	C	340	—	< 1.9	< 1.5	< 1.7	NA	NA
Chloromethane (Methyl chloride)	100000	N	15	—	< 2.8	< 2.3	< 2.5	NA	NA
cis-1,2-Dichloroethene	400000	N	360	—	< 1.6	< 1.3	< 1.5	NA	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	< 2.1	< 1.7	< 1.9	NA	NA
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 2.1	< 1.7	< 1.9	NA	NA
Dibromomethane	22000	N	310	—	< 2.9	< 2.4	< 2.6	NA	NA
Dichlorodifluoromethane	80000	N	29000	—	< 4.2	< 3.4	< 3.8	NA	NA
Diisopropyl ether	2000000	N	320	—	< 2	< 1.6	< 1.8	NA	NA
Ethylbenzene	27000	C	8100	—	< 2.1	< 1.7	< 1.9	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-10-0.5-1 10/28/13 92177472010 0.5 - 1	SB-SA-10-0.5-1-a 10/28/13 92177472011 0.5 - 1	SB-SA-11-0.5-1 10/28/13 92177472005 0.5 - 1	SB-SA-12-0-0.5 10/28/13 92177472012 0 - 0.5	SB-SA-12-0-0.5-a 10/28/13 92177472013 0 - 0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 2.3	< 1.9	< 2.1	NA	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 2.2	< 1.8	< 2	NA	NA
m&p-Xylene	390000	Csat	NS	—	< 4.2	< 3.4	< 3.8	NA	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 1.7	< 1.4	< 1.6	NA	NA
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	**10.6 J//**	**7.5 J//**	**4.4 J//**	NA	NA
n-Butylbenzene	110000	Csat	2400	—	< 2.1	< 1.7	< 1.9	NA	NA
n-Propylbenzene	260000	Csat	1500	—	< 2	< 1.6	< 1.8	NA	NA
Naphthalene	18000	C	210	—	< 1.4	< 1.1	< 1.3	NA	NA
o-Xylene	430000	Csat	NS	—	< 2.2	< 1.8	< 2	NA	NA
p-Isopropyltoluene	NS		680	—	< 2	< 1.6	< 1.8	NA	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	< 1.9	< 1.5	< 1.7	NA	NA
Styrene	870000	Csat	920	—	< 2.1	< 1.7	< 1.9	NA	NA
tert-Butylbenzene	20000000	N	1700	—	< 2.3	< 1.9	< 2.1	NA	NA
Tetrachloroethene	82000	N	5	—	**9.5**	**9.2**	**3.6 J//**	NA	NA
Toluene	820000	Csat	5500	—	< 2.1	< 1.7	< 1.9	NA	NA
trans-1,2-Dichloroethene	140000	N	510	—	< 2.2	< 1.8	< 2	NA	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	< 1.7	< 1.4	< 1.6	NA	NA
Trichloroethene	4000	N,M	18	—	**3.1 J//**	**2.4 J//**	< 2.2	NA	NA
Trichlorofluoromethane	680000	N	24000	—	< 2.6	< 2.1	< 2.3	NA	NA
Vinyl acetate	820000	N	370	—	< 10.3	< 8.4	< 9.3	NA	NA
Vinyl chloride	1700	C,M	0.19	—	< 2.1	< 1.7	< 1.9	NA	NA
Xylenes (total)	260000	Csat	5800	—	< 4.2	< 3.4	< 3.8	NA	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	< 82.4	< 85.8
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	< 113	< 118
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	< 96.5	< 101
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	< 120	< 125
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	< 111	< 115
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	NA	< 131	< 137
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	NA	< 94	< 97.9
2,4-Dichlorophenol	360000	N	14	—	NA	NA	NA	< 92.7	< 96.5
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	NA	< 167	< 174
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	NA	< 69.5	< 72.4
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	NA	< 79.8	< 83.1
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	NA	< 88.8	< 92.5
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	NA	< 83.7	< 87.1
2-Chlorophenol	1000000	N	4.1	—	NA	NA	NA	< 116	< 121
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	NA	< 91.4	< 95.2
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	NA	< 129	< 134
2-Nitroaniline	1200000	N	NS	—	NA	NA	NA	< 131	< 137
2-Nitrophenol	NS		NS	—	NA	NA	NA	< 103	< 107
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	NA	< 167	< 174
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	NA	< 92.7	< 96.5
3-Nitroaniline	NS		NS	—	NA	NA	NA	< 116	< 121
3.722:Unknown	NS		NS	—	NA	NA	NA	**230 N//**	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	NA	< 84.9	< 88.5
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	NA	< 77.2	< 80.4
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	NA	< 87.5	< 91.2
4-Chloroaniline	8600	C	NS	—	NA	NA	NA	< 118	< 123
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	NA	< 87.5	< 91.2
4-Nitroaniline	86000	C	NS	—	NA	NA	NA	< 120	< 125
4-Nitrophenol	NS		NS	—	NA	NA	NA	< 75.9	< 79.1
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	NA	< 97.8	< 102
Acenaphthylene	NS		21000	—	NA	NA	NA	< 100	< 105

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-10-0.5-1 10/28/13 92177472010 0.5 - 1	SB-SA-10-0.5-1-a 10/28/13 92177472011 0.5 - 1	SB-SA-11-0.5-1 10/28/13 92177472005 0.5 - 1	SB-SA-12-0-0.5 10/28/13 92177472012 0 - 0.5		SB-SA-12-0-0.5-a 10/28/13 92177472013 0 - 0.5	
SVOCs by Method 8270D (ug/kg)											
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA		NA	
Aniline	300000	C	NS	—	NA	NA	NA	< 115		< 119	
Anthracene	34000000	N	660000	—	NA	NA	NA	< 95.2		< 99.2	
Atrazine	7500	C	25	—	NA	NA	NA	NA		NA	
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA		NA	
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	NA	< 78.5		< 81.8	
Benzo(a)pyrene	210	C,M	59	—	NA	NA	NA	< 81.1		< 84.5	
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	NA	< 73.4		< 76.4	
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	NA	< 108		< 113	
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	NA	< 83.7		< 87.1	
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	< 77.2		< 80.4	
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	< 84.9		< 88.5	
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	NA	< 99.1		< 103	
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	NA	< 108		< 113	
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	NA	< 113		< 118	
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	NA	< 116		< 121	
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	NA	< 90.1		< 93.8	
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA		NA	
Carbazole	NS		370	—	NA	NA	NA	NA		NA	
Chrysene	210000	C	18000	—	NA	NA	NA	**71.2**	**J//**	**79.6**	**J//**
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	NA	< 69.5		< 72.4	
Di-n-octylphthalate	NS		38000	—	NA	NA	NA	< 88.8		< 92.5	
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	NA	< 90.1		< 93.8	
Dibenzofuran	170000	Csat	5200	—	NA	NA	NA	< 69.5		< 72.4	
Diethylphthalate	98000000	N	37000	—	NA	NA	NA	< 65.6		< 68.4	
Dimethyl phthalate	NS		NS	—	NA	NA	NA	< 86.2		< 89.8	
Fluoranthene	4400000	N	330000	—	NA	NA	NA	**140**	**J//**	**139**	**J//**
Fluorene	4400000	N	56000	—	NA	NA	NA	< 87.5		< 91.2	
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	< 73.4		< 76.4	
Hexachlorobenzene	1100	C	2.6	—	NA	NA	NA	< 54.1		< 56.3	
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA		NA	
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	NA	< 78.5		< 81.8	
Hexachloroethane	43000	N	NS	—	NA	NA	NA	< 112		< 117	
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	NA	< 87.5		< 91.2	
Isophorone	1800000	C	210	—	NA	NA	NA	< 95.2		< 99.2	
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	NA	< 81.1		< 84.5	
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	< 138		< 143	
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	NA	< 126		< 131	
Naphthalene	18000	C	210	—	NA	NA	NA	< 104		< 109	
Nitrobenzene	24000	C	NS	—	NA	NA	NA	< 116		< 121	
Pentachlorophenol	2700	C	31	—	NA	NA	NA	< 77.2		< 80.4	
Phenanthrene	NS		68000	—	NA	NA	NA	< 70.8		< 73.7	
Phenol	36000000	N	230	—	NA	NA	NA	< 127		< 133	
Pyrene	3400000	N	220000	—	NA	NA	NA	**98.9**	**J//**	**108**	**J//**
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA		NA	
Metals by Method 6010C (mg/kg)											
Aluminum	100000	Max	NS	44671	NA	NA	NA	**27800**		**29000**	
Antimony	82	N	0.9	1.7	NA	NA	NA	< 0.3		< 0.28	
Arsenic	1.6	C	5.8	8.0	NA	NA	NA	< 0.34		< 0.32	
Barium	38000	N	580	69	NA	NA	NA	**7.9**		**8.3**	
Beryllium	400	N	63	0.69	NA	NA	NA	**0.36**		**0.5**	
Cadmium	160	N	3	1.5	NA	NA	NA	**6.1**		**7.7**	
Calcium	NS		NS	2563	NA	NA	NA	**1380**		**1330**	
Chromium	100000	Max	360000	65	NA	NA	NA	**54.1**		**55.3**	
Cobalt	60	N	0.9	6.3	NA	NA	NA	< 0.15		< 0.14	
Copper	8200	N	700	45	NA	NA	NA	**9.5**		**10.5**	
Iron	100000	Max	150	79914	NA	NA	NA	**60100**		**65200**	
Lead	800		270	58	NA	NA	NA	**23.7**		**25.9**	
Magnesium	NS		NS	1853	NA	NA	NA	**519**		**485**	
Manganese	4600	N	65	340	NA	NA	NA	**42.7**		**57.8**	
Nickel	4000	N	130	14	NA	NA	NA	**1.7**		**2.4**	
Potassium	NS		NS	1599	NA	NA	NA	**314**	**J//**	**305**	**J//**
Selenium	1000	N	2.1	1.6	NA	NA	NA	**0.9**	**J//**	**1.9**	
Silver	1000	N	3.4	0.67	NA	NA	NA	**0.32**	**J//**	**0.3**	**J//**
Sodium	NS		NS	441	NA	NA	NA	**5.4**	**J,B/B/K**	**9.9**	**J,B/B/K**
Thallium	2	N	0.28	5.2	NA	NA	NA	**0.92**	**J//**	**1.6**	
Vanadium	1000	N	6	132	NA	NA	NA	**140**		**156**	
Zinc	62000	N	1200	63	NA	NA	NA	**13.1**		**16.6**	
Hexavalent Chromium by Method 7196A (mg/kg)											
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA		NA	
Mercury by Method 7471B (mg/kg)											
Mercury	3.1	Csat	1	0.065	NA	NA	NA	**0.042**		**0.11**	

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-12-0.5-1 10/28/13 92177472015 0.5 - 1	SB-SA-12-0.5-1-a 10/28/13 92177472016 0.5 - 1	SB-SA-16-0-0.5 10/28/13 92177472025 0 - 0.5	SB-SA-16-0.5-1 10/28/13 92177472021 0.5 - 1	SB-SA-16-9-10 10/28/13 92177472022 9 - 10
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 3	< 2.4	NA	< 1.9	< 3.1
1,1,1-Trichloroethane	640000	Csat	1200	—	< 2.6	< 2	NA	< 1.6	< 2.6
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 3	< 2.4	NA	< 1.9	< 3.1
1,1-Dichloroethane	17000	C	30	—	< 2.2	< 1.7	NA	< 1.3	< 2.2
1,1-Dichloroethene	220000	N	45	—	< 2.6	**4.3 J//**	NA	< 1.6	< 2.6
1,1-Dichloropropene	NS		NS	—	< 2.2	< 1.7	NA	< 1.3	< 2.2
1,2,3-Trichlorobenzene	98000	N	NS	—	< 3.2	< 2.5	NA	< 2	< 3.2
1,2,3-Trichloropropane	95	C,M	0.032	—	< 2.3	< 1.8	NA	< 1.4	< 2.3
1,2,4-Trichlorobenzene	54000	N	2200	—	< 2.3	< 1.8	NA	< 1.4	< 2.3
1,2,4-Trimethylbenzene	52000	N	6700	—	< 2.9	< 2.2	NA	< 1.8	< 2.9
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 5.2	< 4	NA	< 3.2	< 5.3
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 2.6	< 2	NA	< 1.6	< 2.6
1,2-Dichlorobenzene	380000	Csat	240	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
1,2-Dichloroethane	2200	C	2	—	< 3.2	< 2.5	NA	< 2	< 3.2
1,2-Dichloropropane	4700	C	3.2	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 2.6	< 2	NA	< 1.6	< 2.6
1,3-Dichlorobenzene	NS		2400	—	< 2.9	< 2.2	NA	< 1.8	< 2.9
1,3-Dichloropropane	1500000	Csat	NS	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
1,4-Dichlorobenzene	12000	C	70	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	**8.1 N//**
1.329:Unknown	NS		NS	—	NA	NA	NA	**4.8 N//**	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
1,4-Dioxane	17000	C	12	—	< 174	< 135	NA	< 107	< 176
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	**6.9 N//**	NA
2-Butanone (MEK)	28000000	N	16000	—	< 4.2	< 3.3	NA	< 2.6	**60.1 J//**
2-Chlorotoluene	910000	Csat	1200	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
2-Hexanone	280000	N	170	—	< 5.7	< 4.4	NA	< 3.5	< 5.7
4-Chlorotoluene	250000	Csat	280	—	< 2.6	< 2	NA	< 1.6	< 2.6
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 5.4	< 4.2	NA	< 3.3	< 5.4
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	**4.6 N//**	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	**29.9 N//**	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	**71.5 J//**	**72.1 J//**	NA	**177 A+//**	**435 A+//**
Benzene	5400	C	7.3	—	< 2.3	< 1.8	NA	< 1.4	**2.6 J//**
Bromobenzene	360000	N	NS	—	< 2.9	< 2.2	NA	< 1.8	< 2.9
Bromochloromethane	140000	N	NS	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
Bromodichloromethane	1400	C	2.9	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
Bromoform	220000	C	19	—	< 3.3	< 2.6	NA	< 2	< 3.4
Bromomethane (Methyl bromide)	6400	N	48	—	< 3.6	< 2.8	NA	< 2.2	< 3.7
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	< 3.8	< 2.9	NA	< 2.3	< 3.8
Chlorobenzene	280000	N	430	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
Chloroethane	2100000	Csat	16000	—	< 3.5	< 2.7	NA	< 2.1	< 3.5
Chloroform	1500	C	340	—	< 2.3	< 1.8	NA	< 1.4	< 2.3
Chloromethane (Methyl chloride)	100000	N	15	—	< 3.5	< 2.7	NA	< 2.1	< 3.5
cis-1,2-Dichloroethene	400000	N	360	—	< 2	< 1.6	NA	< 1.2	< 2.1
cis-1,3-Dichloropropene	8300	C	2.3	—	< 2.6	< 2	NA	< 1.6	< 2.6
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 2.6	< 2	NA	< 1.6	< 2.6
Dibromomethane	22000	N	310	—	< 3.6	< 2.8	NA	< 2.2	< 3.7
Dichlorodifluoromethane	80000	N	29000	—	< 5.2	< 4	NA	< 3.2	< 5.3
Diisopropyl ether	2000000	N	320	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
Ethylbenzene	27000	C	8100	—	< 2.6	< 2	NA	< 1.6	< 2.6

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-12-0.5-1 10/28/13 92177472015 0.5 - 1	SB-SA-12-0.5-1-a 10/28/13 92177472016 0.5 - 1	SB-SA-16-0-0.5 10/28/13 92177472025 0 - 0.5	SB-SA-16-0.5-1 10/28/13 92177472021 0.5 - 1	SB-SA-16-9-10 10/28/13 92177472022 9 - 10
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 2.9	< 2.2	NA	< 1.8	< 2.9
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
m&p-Xylene	390000	Csat	NS	—	< 5.2	< 4	NA	< 3.2	< 5.3
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 2.2	< 1.7	NA	< 1.3	< 2.2
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	**6.7 J//**	< 3.4	NA	**5.8 J//**	**11.3 J//**
n-Butylbenzene	110000	Csat	2400	—	< 2.6	< 2	NA	< 1.6	< 2.6
n-Propylbenzene	260000	Csat	1500	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
Naphthalene	18000	C	210	—	< 1.7	< 1.3	NA	< 1.1	< 1.8
o-Xylene	430000	Csat	NS	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
p-Isopropyltoluene	NS		680	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	< 2.3	< 1.8	NA	< 1.4	< 2.3
Styrene	870000	Csat	920	—	< 2.6	< 2	NA	< 1.6	< 2.6
tert-Butylbenzene	20000000	N	1700	—	< 2.9	< 2.2	NA	< 1.8	< 2.9
Tetrachloroethene	82000	N	5	—	< 2.5	< 1.9	NA	< 1.5	< 2.5
Toluene	820000	Csat	5500	—	< 2.6	< 2	NA	**1.6 J//**	< 2.6
trans-1,2-Dichloroethene	140000	N	510	—	< 2.8	< 2.1	NA	< 1.7	< 2.8
trans-1,3-Dichloropropene	8300	C	2.3	—	< 2.2	< 1.7	NA	< 1.3	< 2.2
Trichloroethene	4000	N,M	18	—	< 3	< 2.4	NA	< 1.9	< 3.1
Trichlorofluoromethane	680000	N	24000	—	< 3.2	< 2.5	NA	< 2	< 3.2
Vinyl acetate	820000	N	370	—	< 12.8	< 9.9	NA	< 7.8	< 12.9
Vinyl chloride	1700	C,M	0.19	—	< 2.6	< 2	NA	< 1.6	< 2.6
Xylenes (total)	260000	Csat	5800	—	< 5.2	< 4	NA	< 3.2	< 5.3
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	< 73.2	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	< 101	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	NA	< 85.8	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	< 106	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	NA	< 98.4	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	< 117	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	< 83.5	NA	NA
2,4-Dichlorophenol	360000	N	14	—	NA	NA	< 82.4	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	< 149	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	< 61.8	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	< 70.9	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	< 78.9	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	< 74.4	NA	NA
2-Chlorophenol	1000000	N	4.1	—	NA	NA	< 103	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	< 81.2	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	< 114	NA	NA
2-Nitroaniline	1200000	N	NS	—	NA	NA	< 117	NA	NA
2-Nitrophenol	NS		NS	—	NA	NA	< 91.5	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	< 149	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	< 82.4	NA	NA
3-Nitroaniline	NS		NS	—	NA	NA	< 103	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	< 75.5	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	< 68.7	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	< 77.8	NA	NA
4-Chloroaniline	8600	C	NS	—	NA	NA	< 105	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	< 77.8	NA	NA
4-Nitroaniline	86000	C	NS	—	NA	NA	< 106	NA	NA
4-Nitrophenol	NS		NS	—	NA	NA	< 67.5	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	< 87	NA	NA
Acenaphthylene	NS		21000	—	NA	NA	< 89.2	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-12-0.5-1 10/28/13 92177472015 0.5 - 1	SB-SA-12-0.5-1-a 10/28/13 92177472016 0.5 - 1	SB-SA-16-0-0.5 10/28/13 92177472025 0 - 0.5	SB-SA-16-0.5-1 10/28/13 92177472021 0.5 - 1	SB-SA-16-9-10 10/28/13 92177472022 9 - 10
SVOCs by Method 8270D (ug/kg)									
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	< 102	NA	NA
Anthracene	34000000	N	660000	—	NA	NA	< 84.7	NA	NA
Atrazine	7500	C	25	—	NA	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	< 69.8	NA	NA
Benzo(a)pyrene	210	C,M	59	—	NA	NA	< 72.1	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	< 65.2	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	< 96.1	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	< 74.4	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	< 68.7	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	< 75.5	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	< 88.1	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	< 96.1	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	< 101	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	< 103	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	< 80.1	NA	NA
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	NA	< 50.3	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	< 61.8	NA	NA
Di-n-octylphthalate	NS		38000	—	NA	NA	< 78.9	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	< 80.1	NA	NA
Dibenzofuran	170000	Csat	5200	—	NA	NA	< 61.8	NA	NA
Diethylphthalate	98000000	N	37000	—	NA	NA	< 58.4	NA	NA
Dimethyl phthalate	NS		NS	—	NA	NA	< 76.7	NA	NA
Fluoranthene	4400000	N	330000	—	NA	NA	< 54.9	NA	NA
Fluorene	4400000	N	56000	—	NA	NA	< 77.8	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	< 65.2	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	NA	< 48.1	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	< 69.8	NA	NA
Hexachloroethane	43000	N	NS	—	NA	NA	< 99.5	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	< 77.8	NA	NA
Isophorone	1800000	C	210	—	NA	NA	< 84.7	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	< 72.1	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	< 122	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	< 112	NA	NA
Naphthalene	18000	C	210	—	NA	NA	< 92.7	NA	NA
Nitrobenzene	24000	C	NS	—	NA	NA	< 103	NA	NA
Pentachlorophenol	2700	C	31	—	NA	NA	< 68.7	NA	NA
Phenanthrene	NS		68000	—	NA	NA	< 62.9	NA	NA
Phenol	36000000	N	230	—	NA	NA	< 113	NA	NA
Pyrene	3400000	N	220000	—	NA	NA	< 64.1	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)									
Aluminum	100000	Max	NS	44671	NA	NA	**14600**	NA	NA
Antimony	82	N	0.9	1.7	NA	NA	< 0.26	NA	NA
Arsenic	1.6	C	5.8	8.0	NA	NA	**2.4**	NA	NA
Barium	38000	N	580	69	NA	NA	**17.7**	NA	NA
Beryllium	400	N	63	0.69	NA	NA	**0.22**	NA	NA
Cadmium	160	N	3	1.5	NA	NA	**3.7**	NA	NA
Calcium	NS		NS	2563	NA	NA	**1720**	NA	NA
Chromium	100000	Max	360000	65	NA	NA	**58.7**	NA	NA
Cobalt	60	N	0.9	6.3	NA	NA	< 0.13	NA	NA
Copper	8200	N	700	45	NA	NA	**13.5**	NA	NA
Iron	100000	Max	150	79914	NA	NA	**46000**	NA	NA
Lead	800		270	58	NA	NA	**24.8**	NA	NA
Magnesium	NS		NS	1853	NA	NA	**892**	NA	NA
Manganese	4600	N	65	340	NA	NA	**97**	NA	NA
Nickel	4000	N	130	14	NA	NA	**2.8**	NA	NA
Potassium	NS		NS	1599	NA	NA	**485**	NA	NA
Selenium	1000	N	2.1	1.6	NA	NA	**0.81 J//**	NA	NA
Silver	1000	N	3.4	0.67	NA	NA	**0.19 J//**	NA	NA
Sodium	NS		NS	441	NA	NA	**4.7 J,B/B/K**	NA	NA
Thallium	2	N	0.28	5.2	NA	NA	**1.2**	NA	NA
Vanadium	1000	N	6	132	NA	NA	**75.6**	NA	NA
Zinc	62000	N	1200	63	NA	NA	**22.4**	NA	NA
Hexavalent Chromium by Method 7196A (mg/kg)									
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)									
Mercury	3.1	Csat	1	0.065	NA	NA	**0.024**	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-16-19-20 10/28/13 92177472023 19 - 20	SB-SA-18-0-0.5 10/28/13 92177472026 0 - 0.5	SB-SA-18-0.5-1 10/28/13 92177472019 0.5 - 1	SB-SA-19-0.5-1 10/28/13 92177472020 0.5 - 1	SB-SA-20-0-0.5 10/28/13 92177472014 0 - 0.5
VOCs by Method 8260B (ug/kg)									
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 2.4	NA	< 1.8	< 2	NA
1,1,1-Trichloroethane	640000	Csat	1200	—	< 2.1	NA	< 1.5	< 1.7	NA
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 2.2	NA	< 1.6	< 1.8	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 2.4	NA	< 1.8	< 2	NA
1,1-Dichloroethane	17000	C	30	—	< 1.7	NA	< 1.3	< 1.4	NA
1,1-Dichloroethene	220000	N	45	—	< 2.1	NA	< 1.5	< 1.7	NA
1,1-Dichloropropene	NS		NS	—	< 1.7	NA	< 1.3	< 1.4	NA
1,2,3-Trichlorobenzene	98000	N	NS	—	< 2.6	NA	< 1.9	< 2.1	NA
1,2,3-Trichloropropane	95	C,M	0.032	—	< 1.9	NA	< 1.4	< 1.5	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	< 1.9	NA	< 1.4	< 1.5	NA
1,2,4-Trimethylbenzene	52000	N	6700	—	< 2.3	NA	< 1.7	< 1.9	NA
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 4.2	NA	< 3	< 3.4	NA
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 2.1	NA	< 1.5	< 1.7	NA
1,2-Dichlorobenzene	380000	Csat	240	—	< 2.2	NA	< 1.6	< 1.8	NA
1,2-Dichloroethane	2200	C	2	—	< 2.6	NA	< 1.9	< 2.1	NA
1,2-Dichloropropane	4700	C	3.2	—	< 2	NA	< 1.4	< 1.6	NA
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 2.1	NA	< 1.5	< 1.7	NA
1,3-Dichlorobenzene	NS		2400	—	< 2.3	NA	< 1.7	< 1.9	NA
1,3-Dichloropropane	1500000	Csat	NS	—	< 2.2	NA	< 1.6	< 1.8	NA
1,4-Dichlorobenzene	12000	C	70	—	< 2	NA	< 1.4	< 1.6	NA
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	< 2	NA	< 1.4	< 1.6	NA
1,4-Dioxane	17000	C	12	—	< 140	NA	< 102	< 113	NA
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	NA	NA
1.945:Propanal	NS		NS	—	NA	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	< 3.4	NA	< 2.5	< 2.7	NA
2-Chlorotoluene	910000	Csat	1200	—	< 2	NA	< 1.4	< 1.6	NA
2-Hexanone	280000	N	170	—	< 4.5	NA	< 3.3	< 3.7	NA
4-Chlorotoluene	250000	Csat	280	—	< 2.1	NA	< 1.5	< 1.7	NA
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 4.3	NA	< 3.1	< 3.5	NA
5.514:Unknown	NS		NS	—	NA	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA	NA
7.893:Decane	NS		NS	—	NA	NA	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA	NA	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	NA	NA
8.439:Undecane	NS		NS	—	NA	NA	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	NA	NA	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	NA	NA	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	NA	NA	NA	NA	NA
8.902:Dodecane	NS		NS	—	NA	NA	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	NA	NA
Acetone	100000000	Max	24000	—	**39.7 J//**	NA	**21.9 J//**	**29.4 J//**	NA
Benzene	5400	C	7.3	—	< 1.9	NA	< 1.4	< 1.5	NA
Bromobenzene	360000	N	NS	—	< 2.3	NA	< 1.7	< 1.9	NA
Bromochloromethane	140000	N	NS	—	< 2	NA	< 1.4	< 1.6	NA
Bromodichloromethane	1400	C	2.9	—	< 2.2	NA	< 1.6	< 1.8	NA
Bromoform	220000	C	19	—	< 2.7	NA	< 1.9	< 2.2	NA
Bromomethane (Methyl bromide)	6400	N	48	—	< 2.9	NA	< 2.1	< 2.4	NA
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	< 3	NA	< 2.2	< 2.5	NA
Chlorobenzene	280000	N	430	—	< 2.2	NA	< 1.6	< 1.8	NA
Chloroethane	2100000	Csat	16000	—	< 2.8	NA	< 2	< 2.3	NA
Chloroform	1500	C	340	—	< 1.9	NA	< 1.4	< 1.5	NA
Chloromethane (Methyl chloride)	100000	N	15	—	< 2.8	NA	< 2	< 2.3	NA
cis-1,2-Dichloroethene	400000	N	360	—	< 1.6	NA	< 1.2	< 1.3	NA
cis-1,3-Dichloropropene	8300	C	2.3	—	< 2.1	NA	< 1.5	< 1.7	NA
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 2.1	NA	< 1.5	< 1.7	NA
Dibromomethane	22000	N	310	—	< 2.9	NA	< 2.1	< 2.4	NA
Dichlorodifluoromethane	80000	N	29000	—	< 4.2	NA	< 3	< 3.4	NA
Diisopropyl ether	2000000	N	320	—	< 2	NA	< 1.4	< 1.6	NA
Ethylbenzene	27000	C	8100	—	< 2.1	NA	< 1.5	< 1.7	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-16-19-20 10/28/13 92177472023 19 - 20	SB-SA-18-0-0.5 10/28/13 92177472026 0 - 0.5	SB-SA-18-0.5-1 10/28/13 92177472019 0.5 - 1	SB-SA-19-0.5-1 10/28/13 92177472020 0.5 - 1	SB-SA-20-0-0.5 10/28/13 92177472014 0 - 0.5
VOCs by Method 8260B (ug/kg)									
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 2.3	NA	< 1.7	< 1.9	NA
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 2.2	NA	< 1.6	< 1.8	NA
m&p-Xylene	390000	Csat	NS	—	< 4.2	NA	< 3	< 3.4	NA
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 1.7	NA	< 1.3	< 1.4	NA
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	**4.8 J//**	NA	**6.9 J//**	**8.3 J//**	NA
n-Butylbenzene	110000	Csat	2400	—	< 2.1	NA	< 1.5	< 1.7	NA
n-Propylbenzene	260000	Csat	1500	—	< 2	NA	< 1.4	< 1.6	NA
Naphthalene	18000	C	210	—	< 1.4	NA	< 1	< 1.1	NA
o-Xylene	430000	Csat	NS	—	< 2.2	NA	< 1.6	< 1.8	NA
p-Isopropyltoluene	NS		680	—	< 2	NA	< 1.4	< 1.6	NA
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	< 1.9	NA	< 1.4	< 1.5	NA
Styrene	870000	Csat	920	—	< 2.1	NA	< 1.5	< 1.7	NA
tert-Butylbenzene	20000000	N	1700	—	< 2.3	NA	< 1.7	< 1.9	NA
Tetrachloroethene	82000	N	5	—	< 2	NA	< 1.4	< 1.6	NA
Toluene	820000	Csat	5500	—	< 2.1	NA	< 1.5	< 1.7	NA
trans-1,2-Dichloroethene	140000	N	510	—	< 2.2	NA	< 1.6	< 1.8	NA
trans-1,3-Dichloropropene	8300	C	2.3	—	< 1.7	NA	< 1.3	< 1.4	NA
Trichloroethene	4000	N,M	18	—	< 2.4	NA	< 1.8	< 2	NA
Trichlorofluoromethane	680000	N	24000	—	< 2.6	NA	< 1.9	< 2.1	NA
Vinyl acetate	820000	N	370	—	< 10.2	NA	< 7.5	< 8.3	NA
Vinyl chloride	1700	C,M	0.19	—	< 2.1	NA	< 1.5	< 1.7	NA
Xylenes (total)	260000	Csat	5800	—	< 4.2	NA	< 3	< 3.4	NA
SVOCs by Method 8270D (ug/kg)									
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	NA	NA	NA	< 76.1
1,2-Dichlorobenzene	380000	Csat	240	—	NA	NA	NA	NA	< 105
1,3-Dichlorobenzene	NS		2400	—	NA	NA	NA	NA	< 89.2
1,4-Dichlorobenzene	12000	C	70	—	NA	NA	NA	NA	< 111
1-Methylnaphthalene	53000	C	55	—	NA	NA	NA	NA	< 102
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	**413 N//**
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	NA	NA	NA	< 121
2,4,6-Trichlorophenol	120000	N	160	—	NA	NA	NA	NA	< 86.8
2,4-Dichlorophenol	360000	N	14	—	NA	NA	NA	NA	< 85.6
2,4-Dimethylphenol	2400000	N	1400	—	NA	NA	NA	NA	< 155
2,4-Dinitrophenol	240000	N	NS	—	NA	NA	NA	NA	< 64.2
2,4-Dinitrotoluene	5500	C	1.6	—	NA	NA	NA	NA	< 73.8
2,6-Dinitrotoluene	120000	N	NS	—	NA	NA	NA	NA	< 82.1
2-Chloronaphthalene	180000	Csat	NS	—	NA	NA	NA	NA	< 77.3
2-Chlorophenol	1000000	N	4.1	—	NA	NA	NA	NA	< 107
2-Methylnaphthalene	370000	Csat	1600	—	NA	NA	NA	NA	< 84.5
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	NA	NA	NA	< 119
2-Nitroaniline	1200000	N	NS	—	NA	NA	NA	NA	< 121
2-Nitrophenol	NS		NS	—	NA	NA	NA	NA	< 95.2
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	NA	NA	NA	< 155
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	NA	NA	NA	< 85.6
3-Nitroaniline	NS		NS	—	NA	NA	NA	NA	< 107
3.722:Unknown	NS		NS	—	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	NA	NA	NA	< 78.5
4-Bromophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	< 71.4
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	NA	NA	NA	< 80.9
4-Chloroaniline	8600	C	NS	—	NA	NA	NA	NA	< 109
4-Chlorophenyl phenyl ether	NS		NS	—	NA	NA	NA	NA	< 80.9
4-Nitroaniline	86000	C	NS	—	NA	NA	NA	NA	< 111
4-Nitrophenol	NS		NS	—	NA	NA	NA	NA	< 70.2
4.140:Unknown	NS		NS	—	NA	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	NA	NA	NA	< 90.4
Acenaphthylene	NS		21000	—	NA	NA	NA	NA	< 92.8

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-16-19-20 10/28/13 92177472023 19 - 20	SB-SA-18-0-0.5 10/28/13 92177472026 0 - 0.5	SB-SA-18-0.5-1 10/28/13 92177472019 0.5 - 1	SB-SA-19-0.5-1 10/28/13 92177472020 0.5 - 1	SB-SA-20-0-0.5 10/28/13 92177472014 0 - 0.5	
SVOCs by Method 8270D (ug/kg)										
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA	NA	
Aniline	300000	C	NS	—	NA	NA	NA	NA	< 106	
Anthracene	34000000	N	660000	—	NA	NA	NA	NA	< 88	
Atrazine	7500	C	25	—	NA	NA	NA	NA	NA	
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA	NA	
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	NA	NA	< 72.6	
Benzo(a)pyrene	210	C,M	59	—	NA	NA	NA	NA	< 74.9	
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	NA	NA	< 67.8	
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	NA	NA	< 99.9	
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	NA	NA	< 77.3	
Benzoic Acid	100000000	Max	130000	—	NA	NA	NA	NA	< 71.4	/M/m
Benzyl alcohol	12000000	N	3100	—	NA	NA	NA	NA	< 78.5	
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	NA	NA	< 91.6	
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	NA	NA	< 99.9	
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	NA	NA	< 105	
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	NA	NA	< 107	
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	NA	NA	< 83.3	
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA	NA	
Carbazole	NS		370	—	NA	NA	NA	NA	NA	
Chrysene	210000	C	18000	—	NA	NA	NA	NA	< 52.3	
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	NA	NA	< 64.2	
Di-n-octylphthalate	NS		38000	—	NA	NA	NA	NA	< 82.1	
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	NA	NA	< 83.3	
Dibenzofuran	170000	Csat	5200	—	NA	NA	NA	NA	< 64.2	
Diethylphthalate	98000000	N	37000	—	NA	NA	NA	NA	< 60.7	
Dimethyl phthalate	NS		NS	—	NA	NA	NA	NA	< 79.7	
Fluoranthene	4400000	N	330000	—	NA	NA	NA	NA	< 57.1	
Fluorene	4400000	N	56000	—	NA	NA	NA	NA	< 80.9	
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	NA	NA	< 67.8	
Hexachlorobenzene	1100	C	2.6	—	NA	NA	NA	NA	< 50	
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA	NA	
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	NA	NA	< 72.6	
Hexachloroethane	43000	N	NS	—	NA	NA	NA	NA	< 103	
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	NA	NA	< 80.9	
Isophorone	1800000	C	210	—	NA	NA	NA	NA	< 88	
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	NA	NA	< 74.9	
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	NA	NA	< 127	
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	NA	NA	< 117	
Naphthalene	18000	C	210	—	NA	NA	NA	NA	< 96.4	
Nitrobenzene	24000	C	NS	—	NA	NA	NA	NA	< 107	
Pentachlorophenol	2700	C	31	—	NA	NA	NA	NA	< 71.4	
Phenanthrene	NS		68000	—	NA	NA	NA	NA	< 65.4	
Phenol	36000000	N	230	—	NA	NA	NA	NA	< 118	
Pyrene	3400000	N	220000	—	NA	NA	NA	NA	< 66.6	
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA	NA	
Metals by Method 6010C (mg/kg)										
Aluminum	100000	Max	NS	44671	NA	**16000**	NA	NA	**10100**	**M6/M/M**
Antimony	82	N	0.9	1.7	NA	< 0.28	NA	NA	< 0.29	M1/M/m
Arsenic	1.6	C	5.8	8.0	NA	< 0.32	NA	NA	< 0.33	M1/M/m
Barium	38000	N	580	69	NA	**35.5**	NA	NA	**5.4**	
Beryllium	400	N	63	0.69	NA	**0.38**	NA	NA	**0.49**	
Cadmium	160	N	3	1.5	NA	**1.4**	NA	NA	**1.1**	
Calcium	NS		NS	2563	NA	**533**	NA	NA	**369**	
Chromium	100000	Max	360000	65	NA	**34.3**	NA	NA	**19.2**	
Cobalt	60	N	0.9	6.3	NA	< 0.14	NA	NA	< 0.15	M1,R1/M/m
Copper	8200	N	700	45	NA	**35.1**	NA	NA	**6.2**	
Iron	100000	Max	150	79914	NA	**38700**	NA	NA	**37500**	**M6/M/M**
Lead	800		270	58	NA	**32.4**	NA	NA	**13.9**	
Magnesium	NS		NS	1853	NA	**1100**	NA	NA	**69.3**	
Manganese	4600	N	65	340	NA	**141**	NA	NA	**21.5**	
Nickel	4000	N	130	14	NA	**10**	NA	NA	**1.3**	
Potassium	NS		NS	1599	NA	**1870**	NA	NA	**105**	**J,M1//**
Selenium	1000	N	2.1	1.6	NA	**0.95 J//**	NA	NA	**0.76**	**J,M1/M/m**
Silver	1000	N	3.4	0.67	NA	**0.15 J//**	NA	NA	**0.15**	**J//**
Sodium	NS		NS	441	NA	**22.7 J,B/B/K**	NA	NA	< 0.65	M1//
Thallium	2	N	0.28	5.2	NA	**1.3**	NA	NA	**0.89**	**J//**
Vanadium	1000	N	6	132	NA	**72.9**	NA	NA	**73.4**	**M1//**
Zinc	62000	N	1200	63	NA	**31.1**	NA	NA	**6.5**	
Hexavalent Chromium by Method 7196A (mg/kg)										
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA	NA	
Mercury by Method 7471B (mg/kg)										
Mercury	3.1	Csat	1	0.065	NA	**0.0028 J//**	NA	NA	**0.0062**	

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-20-0.5-1 10/28/13 92177472017 0.5 - 1		SB-SA-20-9-10 10/28/13 92177472018 9 - 10		SB-DG-1-0-0.5 10/28/13 92177472001 0 - 0.5	SB-DG-1-0.5-1 10/28/13 92177472002 0.5 - 1	
VOCs by Method 8260B (ug/kg)											
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 2		< 2.6		NA	< 2.5	
1,1,1-Trichloroethane	640000	Csat	1200	—	< 1.7		< 2.3		NA	< 2.1	
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 1.8	/M/D	< 2.4		NA	< 2.2	
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA		NA		NA	NA	
1,1,2-Trichloroethane	1400	N	3.2	—	< 2	/M/D	< 2.6		NA	< 2.5	
1,1-Dichloroethane	17000	C	30	—	< 1.4		< 1.9		NA	< 1.8	
1,1-Dichloroethene	220000	N	45	—	< 1.7		< 2.3		NA	< 2.1	
1,1-Dichloropropene	NS		NS	—	< 1.4		< 1.9		NA	< 1.8	
1,2,3-Trichlorobenzene	98000	N	NS	—	< 2.1	/M/D	< 2.8		NA	< 2.6	
1,2,3-Trichloropropane	95	C,M	0.032	—	< 1.5	/M/D	< 2		NA	< 1.9	
1,2,4-Trichlorobenzene	54000	N	2200	—	< 1.5	/M/D	< 2		NA	< 1.9	
1,2,4-Trimethylbenzene	52000	N	6700	—	< 1.9		< 2.5		NA	< 2.4	
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 3.4	/M/D	< 4.5		NA	< 4.2	
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 1.7	/M/D	< 2.3		NA	< 2.1	
1,2-Dichlorobenzene	380000	Csat	240	—	< 1.8		< 2.4		NA	< 2.2	
1,2-Dichloroethane	2200	C	2	—	< 2.1		< 2.8		NA	< 2.6	
1,2-Dichloropropane	4700	C	3.2	—	< 1.6		< 2.1		NA	< 2	
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 1.7		< 2.3		NA	< 2.1	
1,3-Dichlorobenzene	NS		2400	—	< 1.9		< 2.5		NA	< 2.4	
1,3-Dichloropropane	1500000	Csat	NS	—	< 1.8	/M/D	< 2.4		NA	< 2.2	
1,4-Dichlorobenzene	12000	C	70	—	< 1.6		< 2.1		NA	< 2	
1.329:Acetaldehyde	52000	C	NS	—	NA		NA		NA	NA	
1.329:Unknown	NS		NS	—	NA		NA		NA	NA	
1.329:Unknown Alcohol	NS		NS	—	NA		NA		NA	NA	
2,2-Dichloropropane	NS		NS	—	< 1.6		< 2.1		NA	< 2	
1,4-Dioxane	17000	C	12	—	< 114		< 150		NA	**408**	
1.858:Methane, dimethoxy-	NS		NS	—	NA		NA		NA	NA	
1.945:Propanal	NS		NS	—	NA		NA		NA	NA	
2-Butanone (MEK)	28000000	N	16000	—	< 2.7		< 3.6		NA	< 3.4	
2-Chlorotoluene	910000	Csat	1200	—	< 1.6		< 2.1		NA	< 2	
2-Hexanone	280000	N	170	—	< 3.7	/M/D	< 4.9		NA	< 4.6	
4-Chlorotoluene	250000	Csat	280	—	< 1.7		< 2.3		NA	< 2.1	
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 3.5	/M/D	< 4.6		NA	< 4.4	
5.514:Unknown	NS		NS	—	NA		NA		NA	NA	
5.519:Pentanal	NS		NS	—	NA		NA		NA	NA	
5.519:Unknown Alkane	NS		NS	—	NA		NA		NA	NA	
6.316:Unknown Alcohol	NS		NS	—	NA		NA		NA	NA	
7.014:Hexanal	NS		NS	—	NA		NA		NA	NA	
7.642:Furfural	NS		NS	—	NA		NA		NA	NA	
7.893:Decane	NS		NS	—	NA		NA		NA	NA	
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	NA		NA		NA	NA	
8.324:Unknown Alkane	NS		NS	—	NA		NA		NA	NA	
8.428:Octanal	NS		NS	—	NA		NA		NA	NA	
8.433:Octanal	NS		NS	—	NA		NA		NA	NA	
8.439:Undecane	NS		NS	—	NA		NA		NA	**11.1**	**N//**
8.537:Unknown Alkane	NS		NS	—	NA		NA		NA	NA	
8.646:Unknown	NS		NS	—	NA		NA		NA	NA	
8.651:Unknown Alcohol	NS		NS	—	NA		NA		NA	NA	
8.706:Unknown Cycloalkane	NS		NS	—	NA		NA		NA	NA	
8.788:Naphthalene, decahydro-2	NS		NS	—	NA		NA		NA	NA	
8.902:Dodecane	NS		NS	—	NA		NA		NA	NA	
8.919:Nonanal	NS		NS	—	NA		NA		NA	NA	
8.930:Nonanal	NS		NS	—	NA		NA		NA	NA	
Acetone	100000000	Max	24000	—	**30**	**J//**	**33.8**	**J//**	NA	**105**	**J//**
Benzene	5400	C	7.3	—	< 1.5		< 2		NA	< 1.9	
Bromobenzene	360000	N	NS	—	< 1.9		< 2.5		NA	< 2.4	
Bromochloromethane	140000	N	NS	—	< 1.6	/M/D	< 2.1		NA	< 2	
Bromodichloromethane	1400	C	2.9	—	< 1.8		< 2.4		NA	< 2.2	
Bromoform	220000	C	19	—	< 2.2	/M/D	< 2.9		NA	< 2.7	
Bromomethane (Methyl bromide)	6400	N	48	—	< 2.4		< 3.1		NA	< 2.9	
Carbon disulfide	740000	Csat	3800	—	NA		NA		NA	NA	
Carbon tetrachloride	3000	C	2.1	—	< 2.5		< 3.3		NA	< 3.1	
Chlorobenzene	280000	N	430	—	< 1.8		< 2.4		NA	< 2.2	
Chloroethane	2100000	Csat	16000	—	< 2.3		< 3		NA	< 2.8	
Chloroform	1500	C	340	—	< 1.5		< 2		NA	< 1.9	
Chloromethane (Methyl chloride)	100000	N	15	—	< 2.3		< 3		NA	< 2.8	
cis-1,2-Dichloroethene	400000	N	360	—	< 1.3		< 1.8		NA	< 1.6	
cis-1,3-Dichloropropene	8300	C	2.3	—	< 1.7		< 2.3		NA	< 2.1	
Cyclohexane	120000	Csat	NS	—	NA		NA		NA	NA	
Cyclopentane	NS		NS	—	NA		NA		NA	NA	
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA		NA		NA	NA	
Dibromochloromethane	3300	C	1.9	—	< 1.7	/M/D	< 2.3		NA	< 2.1	
Dibromomethane	22000	N	310	—	< 2.4	/M/D	< 3.1		NA	< 2.9	
Dichlorodifluoromethane	80000	N	29000	—	< 3.4		< 4.5		NA	< 4.2	
Diisopropyl ether	2000000	N	320	—	< 1.6		< 2.1		NA	< 2	
Ethylbenzene	27000	C	8100	—	< 1.7		< 2.3		NA	< 2.1	

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-20-0.5-1 10/28/13 92177472017 0.5 - 1		SB-SA-20-9-10 10/28/13 92177472018 9 - 10		SB-DG-1-0-0.5 10/28/13 92177472001 0 - 0.5		SB-DG-1-0.5-1 10/28/13 92177472002 0.5 - 1	
VOCs by Method 8260B (ug/kg)												
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 1.9	/M/D	< 2.5		NA		< 2.4	
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 1.8		< 2.4		NA		< 2.2	
m&p-Xylene	390000	Csat	NS	—	< 3.4		< 4.5		NA		< 4.2	
Methane, dibromofluoro-	NS		NS	—	NA		NA		NA		NA	
Methyl acetate	29000000	Csat	NS	—	NA		NA		NA		NA	
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 1.4	/M/D	< 1.9		NA		< 1.8	
Methylcyclohexane	NS		NS	—	NA		NA		NA		NA	
Methylene chloride	620000	N,M	23	—	**6**	**J/M/D**	**7.3**	**J//**	NA		**16**	**J//**
n-Butylbenzene	110000	Csat	2400	—	< 1.7		< 2.3		NA		< 2.1	
n-Propylbenzene	260000	Csat	1500	—	< 1.6		< 2.1		NA		< 2	
Naphthalene	18000	C	210	—	< 1.1	/M/D	< 1.5		NA		< 1.4	
o-Xylene	430000	Csat	NS	—	< 1.8		< 2.4		NA		< 2.2	
p-Isopropyltoluene	NS		680	—	< 1.6		< 2.1		NA		< 2	
Pentane, 3-methyl-	NS		NS	—	NA		NA		NA		NA	
sec-Butylbenzene	20000000	N	2200	—	< 1.5		< 2		NA		< 1.9	
Styrene	870000	Csat	920	—	< 1.7		< 2.3		NA		< 2.1	
tert-Butylbenzene	20000000	N	1700	—	< 1.9		< 2.5		NA		< 2.4	
Tetrachloroethene	82000	N	5	—	< 1.6		< 2.1		NA		< 2	
Toluene	820000	Csat	5500	—	< 1.7		< 2.3		NA		< 2.1	
trans-1,2-Dichloroethene	140000	N	510	—	< 1.8		< 2.4		NA		< 2.2	
trans-1,3-Dichloropropene	8300	C	2.3	—	< 1.4	/M/D	< 1.9		NA		< 1.8	
Trichloroethene	4000	N,M	18	—	< 2		< 2.6		NA		**45.2**	
Trichlorofluoromethane	680000	N	24000	—	< 2.1		< 2.8		NA		< 2.6	
Vinyl acetate	820000	N	370	—	< 8.3	/M/D	< 11		NA		< 10.4	
Vinyl chloride	1700	C,M	0.19	—	< 1.7		< 2.3		NA		< 2.1	
Xylenes (total)	260000	Csat	5800	—	< 3.4		< 4.5		NA		< 4.2	
SVOCs by Method 8270D (ug/kg)												
1,1'-Biphenyl	42000	N	43000	—	NA		NA		NA		NA	
1,2,4-Trichlorobenzene	54000	N	2200	—	NA		NA		< 83.9		NA	
1,2-Dichlorobenzene	380000	Csat	240	—	NA		NA		< 115		NA	
1,3-Dichlorobenzene	NS		2400	—	NA		NA		< 98.3		NA	
1,4-Dichlorobenzene	12000	C	70	—	NA		NA		< 122		NA	
1-Methylnaphthalene	53000	C	55	—	NA		NA		< 113		NA	
10.260:Pentadecane	NS		NS	—	NA		NA		NA		NA	
10.751:Hexadecane	NS		NS	—	NA		NA		NA		NA	
11.671:Unknown	NS		NS	—	NA		NA		NA		NA	
12.078:Tetradecane	NS		NS	—	NA		NA		NA		NA	
12.342:Hexadecanoic acid	NS		NS	—	NA		NA		NA		NA	
13.132:Unknown	NS		NS	—	NA		NA		NA		NA	
14.667:Unknown	NS		NS	—	NA		NA		NA		NA	
15.249:Unknown	NS		NS	—	NA		NA		NA		NA	
15.304:Unknown	NS		NS	—	NA		NA		NA		NA	
15.391:Unknown	NS		NS	—	NA		NA		NA		NA	
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA		NA		NA		NA	
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA		NA		NA		NA	
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA		NA		**424**	**N//**	NA	
2,4,5-Trichlorophenol	12000000	N	2500	—	NA		NA		< 134		NA	
2,4,6-Trichlorophenol	120000	N	160	—	NA		NA		< 95.7		NA	
2,4-Dichlorophenol	360000	N	14	—	NA		NA		< 94.4		NA	
2,4-Dimethylphenol	2400000	N	1400	—	NA		NA		< 170		NA	
2,4-Dinitrophenol	240000	N	NS	—	NA		NA		< 70.8		NA	
2,4-Dinitrotoluene	5500	C	1.6	—	NA		NA		< 81.3		NA	
2,6-Dinitrotoluene	120000	N	NS	—	NA		NA		< 90.5		NA	
2-Chloronaphthalene	180000	Csat	NS	—	NA		NA		< 85.2		NA	
2-Chlorophenol	1000000	N	4.1	—	NA		NA		< 118		NA	
2-Methylnaphthalene	370000	Csat	1600	—	NA		NA		< 93.1		NA	
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA		NA		< 131		NA	
2-Nitroaniline	1200000	N	NS	—	NA		NA		< 134		NA	
2-Nitrophenol	NS		NS	—	NA		NA		< 105		NA	
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA		NA		< 170		NA	
3,3'-Dichlorobenzidine	3800	C	NS	—	NA		NA		< 94.4		NA	
3-Nitroaniline	NS		NS	—	NA		NA		< 118		NA	
3.722:Unknown	NS		NS	—	NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	NS		NS	—	NA		NA		< 86.5		NA	
4-Bromophenyl phenyl ether	NS		NS	—	NA		NA		< 78.7		NA	
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA		NA		< 89.2		NA	
4-Chloroaniline	8600	C	NS	—	NA		NA		< 121		NA	
4-Chlorophenyl phenyl ether	NS		NS	—	NA		NA		< 89.2		NA	
4-Nitroaniline	86000	C	NS	—	NA		NA		< 122		NA	
4-Nitrophenol	NS		NS	—	NA		NA		< 77.4		NA	
4.140:Unknown	NS		NS	—	NA		NA		NA		NA	
6.279:Styrene	870000	Csat	920	—	NA		NA		NA		NA	
8.078:Unknown	NS		NS	—	NA		NA		NA		NA	
Acenaphthene	6600000	N	8400	—	NA		NA		< 99.7		NA	
Acenaphthylene	NS		21000	—	NA		NA		< 102		NA	

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-SA-20-0.5-1 10/28/13 92177472017 0.5 - 1	SB-SA-20-9-10 10/28/13 92177472018 9 - 10	SB-DG-1-0-0.5 10/28/13 92177472001 0 - 0.5	SB-DG-1-0.5-1 10/28/13 92177472002 0.5 - 1
SVOCs by Method 8270D (ug/kg)								
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	NA	< 117	NA
Anthracene	34000000	N	660000	—	NA	NA	< 97	NA
Atrazine	7500	C	25	—	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	NA	< 80	NA
Benzo(a)pyrene	210	C,M	59	—	NA	NA	< 82.6	NA
Benzo(b)fluoranthene	2100	C,M	600	—	NA	NA	< 74.7	NA
Benzo(g,h,i)perylene	NS		7800000	—	NA	NA	< 110	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	NA	< 85.2	NA
Benzoic Acid	100000000	Max	130000	—	NA	NA	< 78.7	NA
Benzyl alcohol	12000000	N	3100	—	NA	NA	< 86.5	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	NA	< 101	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	NA	< 110	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	NA	< 115	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	NA	< 118	NA
Butyl benzyl phthalate	910000	C	150000	—	NA	NA	< 91.8	NA
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	NA	< 57.7	NA
Di-n-butyl phthalate	12000000	N	19000	—	NA	NA	< 70.8	NA
Di-n-octylphthalate	NS		38000	—	NA	NA	< 90.5	NA
Dibenzo(a,h)anthracene	210	C	190	—	NA	NA	< 91.8	NA
Dibenzofuran	170000	Csat	5200	—	NA	NA	< 70.8	NA
Diethylphthalate	98000000	N	37000	—	NA	NA	< 66.9	NA
Dimethyl phthalate	NS		NS	—	NA	NA	< 87.9	NA
Fluoranthene	4400000	N	330000	—	NA	NA	< 62.9	NA
Fluorene	4400000	N	56000	—	NA	NA	< 89.2	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	NA	< 74.7	NA
Hexachlorobenzene	1100	C	2.6	—	NA	NA	< 55.1	NA
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	NA	< 80	NA
Hexachloroethane	43000	N	NS	—	NA	NA	< 114	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	NA	< 89.2	NA
Isophorone	1800000	C	210	—	NA	NA	< 97	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	NA	< 82.6	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	NA	< 140	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	NA	< 129	NA
Naphthalene	18000	C	210	—	NA	NA	< 106	NA
Nitrobenzene	24000	C	NS	—	NA	NA	< 118	NA
Pentachlorophenol	2700	C	31	—	NA	NA	< 78.7	NA
Phenanthrene	NS		68000	—	NA	NA	< 72.1	NA
Phenol	36000000	N	230	—	NA	NA	< 130	NA
Pyrene	3400000	N	220000	—	NA	NA	< 73.4	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)								
Aluminum	100000	Max	NS	44671	NA	NA	**18300**	NA
Antimony	82	N	0.9	1.7	NA	NA	< 0.33	NA
Arsenic	1.6	C	5.8	8.0	NA	NA	< 0.38	NA
Barium	38000	N	580	69	NA	NA	**10.3**	NA
Beryllium	400	N	63	0.69	NA	NA	**0.67**	NA
Cadmium	160	N	3	1.5	NA	NA	**4.7**	NA
Calcium	NS		NS	2563	NA	NA	**1120**	NA
Chromium	100000	Max	360000	65	NA	NA	**40.7**	NA
Cobalt	60	N	0.9	6.3	NA	NA	< 0.17	NA
Copper	8200	N	700	45	NA	NA	**10.6**	NA
Iron	100000	Max	150	79914	NA	NA	**60000**	NA
Lead	800		270	58	NA	NA	**30.4**	NA
Magnesium	NS		NS	1853	NA	NA	**106**	NA
Manganese	4600	N	65	340	NA	NA	**53.3**	NA
Nickel	4000	N	130	14	NA	NA	**3.6**	NA
Potassium	NS		NS	1599	NA	NA	**191 J//**	NA
Selenium	1000	N	2.1	1.6	NA	NA	**0.96 J//**	NA
Silver	1000	N	3.4	0.67	NA	NA	**0.3 J//**	NA
Sodium	NS		NS	441	NA	NA	**15.7 J,B/B/K**	NA
Thallium	2	N	0.28	5.2	NA	NA	**1.4**	NA
Vanadium	1000	N	6	132	NA	NA	**145**	NA
Zinc	62000	N	1200	63	NA	NA	**17.8**	NA
Hexavalent Chromium by Method 7196A (mg/kg)								
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)								
Mercury	3.1	Csat	1	0.065	NA	NA	**0.023**	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-DG-1-9-10 10/28/13 92177472003 9 - 10	SB-DG-2-0-0.5 10/28/13 92177472006 0 - 0.5	SB-DG-2-0.5-1 10/28/13 92177472007 0.5 - 1	SB-DG-2-9-10 10/28/13 92177472008 9 - 10
VOCs by Method 8260B (ug/kg)								
1,1,1,2-Tetrachloroethane	9300	C	5.9	—	< 2.4	NA	< 2.3	< 2.5
1,1,1-Trichloroethane	640000	Csat	1200	—	< 2.1	NA	< 1.9	< 2.1
1,1,2,2-Tetrachloroethane	2800	C	1.2	—	< 2.2	NA	< 2	< 2.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	910000	Csat	9000000	—	NA	NA	NA	NA
1,1,2-Trichloroethane	1400	N	3.2	—	< 2.4	NA	< 2.3	< 2.5
1,1-Dichloroethane	17000	C	30	—	< 1.7	NA	< 1.6	< 1.8
1,1-Dichloroethene	220000	N	45	—	< 2.1	NA	< 1.9	< 2.1
1,1-Dichloropropene	NS		NS	—	< 1.7	NA	< 1.6	< 1.8
1,2,3-Trichlorobenzene	98000	N	NS	—	< 2.6	NA	< 2.4	< 2.6
1,2,3-Trichloropropane	95	C,M	0.032	—	< 1.9	NA	< 1.7	< 1.9
1,2,4-Trichlorobenzene	54000	N	2200	—	< 1.9	NA	< 1.7	< 1.9
1,2,4-Trimethylbenzene	52000	N	6700	—	< 2.3	NA	< 2.2	< 2.4
1,2-Dibromo-3-chloropropane (DBCP)	69	C,M	0.25	—	< 4.2	NA	< 3.9	< 4.3
1,2-Dibromoethane (EDB)	170	C	0.097	—	< 2.1	NA	< 1.9	< 2.1
1,2-Dichlorobenzene	380000	Csat	240	—	< 2.2	NA	< 2	< 2.3
1,2-Dichloroethane	2200	C	2	—	< 2.6	NA	< 2.4	< 2.6
1,2-Dichloropropane	4700	C	3.2	—	< 2	NA	< 1.8	< 2
1,3,5-Trimethylbenzene	180000	Csat	6700	—	< 2.1	NA	< 1.9	< 2.1
1,3-Dichlorobenzene	NS		2400	—	< 2.3	NA	< 2.2	< 2.4
1,3-Dichloropropane	1500000	Csat	NS	—	< 2.2	NA	< 2	< 2.3
1,4-Dichlorobenzene	12000	C	70	—	< 2	NA	< 1.8	< 2
1.329:Acetaldehyde	52000	C	NS	—	NA	NA	NA	NA
1.329:Unknown	NS		NS	—	NA	NA	NA	NA
1.329:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA
2,2-Dichloropropane	NS		NS	—	< 2	NA	< 1.8	< 2
1,4-Dioxane	17000	C	12	—	**435**	NA	< 129	< 142
1.858:Methane, dimethoxy-	NS		NS	—	NA	NA	NA	**9 N//**
1.945:Propanal	NS		NS	—	NA	NA	NA	NA
2-Butanone (MEK)	28000000	N	16000	—	**13.5 J//**	NA	< 3.1	< 3.4
2-Chlorotoluene	910000	Csat	1200	—	< 2	NA	< 1.8	< 2
2-Hexanone	280000	N	170	—	**121**	NA	< 4.2	< 4.6
4-Chlorotoluene	250000	Csat	280	—	< 2.1	NA	< 1.9	< 2.1
4-Methyl-2-pentanone (MIBK)	3400000	Csat	430	—	< 4.3	NA	< 4	< 4.4
5.514:Unknown	NS		NS	—	NA	NA	NA	NA
5.519:Pentanal	NS		NS	—	NA	NA	NA	NA
5.519:Unknown Alkane	NS		NS	—	NA	NA	NA	NA
6.316:Unknown Alcohol	NS		NS	—	NA	NA	NA	NA
7.014:Hexanal	NS		NS	—	NA	NA	NA	NA
7.642:Furfural	NS		NS	—	NA	NA	NA	NA
7.893:Decane	NS		NS	—	**21.8 N//**	NA	NA	NA
8.177:3,7-Decadiene, 2,9-dimet	NS		NS	—	**8 N//**	NA	NA	NA
8.324:Unknown Alkane	NS		NS	—	**9.5 N//**	NA	NA	NA
8.428:Octanal	NS		NS	—	NA	NA	NA	NA
8.433:Octanal	NS		NS	—	NA	NA	NA	**9.7 N//**
8.439:Undecane	NS		NS	—	**63.9 N//**	NA	NA	NA
8.537:Unknown Alkane	NS		NS	—	**28 N//**	NA	NA	NA
8.646:Unknown	NS		NS	—	NA	NA	NA	NA
8.651:Unknown Alcohol	NS		NS	—	**11.5 N//**	NA	NA	NA
8.706:Unknown Cycloalkane	NS		NS	—	**24.5 N//**	NA	NA	NA
8.788:Naphthalene, decahydro-2	NS		NS	—	**10.6 N//**	NA	NA	NA
8.902:Dodecane	NS		NS	—	**9.7 N//**	NA	NA	NA
8.919:Nonanal	NS		NS	—	NA	NA	NA	NA
8.930:Nonanal	NS		NS	—	NA	NA	NA	**6.3 N//**
Acetone	100000000	Max	24000	—	**116 J//**	NA	**55 J//**	**23.6 J//**
Benzene	5400	C	7.3	—	< 1.9	NA	< 1.7	< 1.9
Bromobenzene	360000	N	NS	—	< 2.3	NA	< 2.2	< 2.4
Bromochloromethane	140000	N	NS	—	< 2	NA	< 1.8	< 2
Bromodichloromethane	1400	C	2.9	—	< 2.2	NA	< 2	< 2.3
Bromoform	220000	C	19	—	< 2.7	NA	< 2.5	< 2.7
Bromomethane (Methyl bromide)	6400	N	48	—	< 2.9	NA	< 2.7	< 3
Carbon disulfide	740000	Csat	3800	—	NA	NA	NA	NA
Carbon tetrachloride	3000	C	2.1	—	< 3	NA	< 2.8	< 3.1
Chlorobenzene	280000	N	430	—	< 2.2	NA	< 2	< 2.3
Chloroethane	2100000	Csat	16000	—	< 2.8	NA	< 2.6	< 2.8
Chloroform	1500	C	340	—	< 1.9	NA	< 1.7	< 1.9
Chloromethane (Methyl chloride)	100000	N	15	—	< 2.8	NA	< 2.6	< 2.8
cis-1,2-Dichloroethene	400000	N	360	—	< 1.6	NA	< 1.5	< 1.7
cis-1,3-Dichloropropene	8300	C	2.3	—	< 2.1	NA	< 1.9	< 2.1
Cyclohexane	120000	Csat	NS	—	NA	NA	NA	NA
Cyclopentane	NS		NS	—	NA	NA	NA	NA
Cyclotrisiloxane, hexamethyl-	NS		NS	—	NA	NA	NA	NA
Dibromochloromethane	3300	C	1.9	—	< 2.1	NA	< 1.9	< 2.1
Dibromomethane	22000	N	310	—	< 2.9	NA	< 2.7	< 3
Dichlorodifluoromethane	80000	N	29000	—	< 4.2	NA	< 3.9	< 4.3
Diisopropyl ether	2000000	N	320	—	< 2	NA	< 1.8	< 2
Ethylbenzene	27000	C	8100	—	< 2.1	NA	< 1.9	< 2.1

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-DG-1-9-10 10/28/13 92177472003 9 - 10	SB-DG-2-0-0.5 10/28/13 92177472006 0 - 0.5	SB-DG-2-0.5-1 10/28/13 92177472007 0.5 - 1	SB-DG-2-9-10 10/28/13 92177472008 9 - 10
VOCs by Method 8260B (ug/kg)								
Hexachloro-1,3-butadiene	22000	C	8.7	—	< 2.3	NA	< 2.2	< 2.4
Isopropylbenzene (Cumene)	270000	Csat	1300	—	< 2.2	NA	< 2	< 2.3
m&p-Xylene	390000	Csat	NS	—	< 4.2	NA	< 3.9	< 4.3
Methane, dibromofluoro-	NS		NS	—	NA	NA	NA	NA
Methyl acetate	29000000	Csat	NS	—	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	220000	C	85	—	< 1.7	NA	< 1.6	< 1.8
Methylcyclohexane	NS		NS	—	NA	NA	NA	NA
Methylene chloride	620000	N,M	23	—	**15.4 J//**	NA	**4.6 J//**	**7.9 J//**
n-Butylbenzene	110000	Csat	2400	—	< 2.1	NA	< 1.9	< 2.1
n-Propylbenzene	260000	Csat	1500	—	< 2	NA	< 1.8	< 2
Naphthalene	18000	C	210	—	< 1.4	NA	< 1.3	< 1.4
o-Xylene	430000	Csat	NS	—	< 2.2	NA	< 2	< 2.3
p-Isopropyltoluene	NS		680	—	< 2	NA	< 1.8	< 2
Pentane, 3-methyl-	NS		NS	—	NA	NA	NA	NA
sec-Butylbenzene	20000000	N	2200	—	< 1.9	NA	< 1.7	< 1.9
Styrene	870000	Csat	920	—	< 2.1	NA	< 1.9	< 2.1
tert-Butylbenzene	20000000	N	1700	—	< 2.3	NA	< 2.2	< 2.4
Tetrachloroethene	82000	N	5	—	**2.8 J//**	NA	**2.7 J//**	< 2
Toluene	820000	Csat	5500	—	< 2.1	NA	< 1.9	< 2.1
trans-1,2-Dichloroethene	140000	N	510	—	< 2.2	NA	< 2	< 2.3
trans-1,3-Dichloropropene	8300	C	2.3	—	< 1.7	NA	< 1.6	< 1.8
Trichloroethene	4000	N,M	18	—	**127**	NA	< 2.3	< 2.5
Trichlorofluoromethane	680000	N	24000	—	< 2.6	NA	< 2.4	< 2.6
Vinyl acetate	820000	N	370	—	< 10.3	NA	< 9.5	< 10.4
Vinyl chloride	1700	C,M	0.19	—	< 2.1	NA	< 1.9	< 2.1
Xylenes (total)	260000	Csat	5800	—	< 4.2	NA	< 3.9	< 4.3
SVOCs by Method 8270D (ug/kg)								
1,1'-Biphenyl	42000	N	43000	—	NA	NA	NA	NA
1,2,4-Trichlorobenzene	54000	N	2200	—	NA	< 86.9	NA	NA
1,2-Dichlorobenzene	380000	Csat	240	—	NA	< 119	NA	NA
1,3-Dichlorobenzene	NS		2400	—	NA	< 102	NA	NA
1,4-Dichlorobenzene	12000	C	70	—	NA	< 126	NA	NA
1-Methylnaphthalene	53000	C	55	—	NA	< 117	NA	NA
10.260:Pentadecane	NS		NS	—	NA	NA	NA	NA
10.751:Hexadecane	NS		NS	—	NA	NA	NA	NA
11.671:Unknown	NS		NS	—	NA	NA	NA	NA
12.078:Tetradecane	NS		NS	—	NA	NA	NA	NA
12.342:Hexadecanoic acid	NS		NS	—	NA	NA	NA	NA
13.132:Unknown	NS		NS	—	NA	NA	NA	NA
14.667:Unknown	NS		NS	—	NA	NA	NA	NA
15.249:Unknown	NS		NS	—	NA	NA	NA	NA
15.304:Unknown	NS		NS	—	NA	NA	NA	NA
15.391:Unknown	NS		NS	—	NA	NA	NA	NA
15.868:13-Docosenamide, (Z)-	NS		NS	—	NA	**385 N//**	NA	NA
15.869:13-Docosenamide, (Z)-	NS		NS	—	NA	NA	NA	NA
15.869:9-Octadecenamide, (Z)-	NS		NS	—	NA	NA	NA	NA
2,4,5-Trichlorophenol	12000000	N	2500	—	NA	< 138	NA	NA
2,4,6-Trichlorophenol	120000	N	160	—	NA	< 99.1	NA	NA
2,4-Dichlorophenol	360000	N	14	—	NA	< 97.7	NA	NA
2,4-Dimethylphenol	2400000	N	1400	—	NA	< 176	NA	NA
2,4-Dinitrophenol	240000	N	NS	—	NA	< 73.3	NA	NA
2,4-Dinitrotoluene	5500	C	1.6	—	NA	< 84.2	NA	NA
2,6-Dinitrotoluene	120000	N	NS	—	NA	< 93.7	NA	NA
2-Chloronaphthalene	180000	Csat	NS	—	NA	< 88.2	NA	NA
2-Chlorophenol	1000000	N	4.1	—	NA	< 122	NA	NA
2-Methylnaphthalene	370000	Csat	1600	—	NA	< 96.4	NA	NA
2-Methylphenol(o-Cresol)	12000000	N	4100	—	NA	< 136	NA	NA
2-Nitroaniline	1200000	N	NS	—	NA	< 138	NA	NA
2-Nitrophenol	NS		NS	—	NA	< 109	NA	NA
3&4-Methylphenol (m&p Cresol)	NS		NS	—	NA	< 176	NA	NA
3,3'-Dichlorobenzidine	3800	C	NS	—	NA	< 97.7	NA	NA
3-Nitroaniline	NS		NS	—	NA	< 122	NA	NA
3.722:Unknown	NS		NS	—	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS		NS	—	NA	< 89.6	NA	NA
4-Bromophenyl phenyl ether	NS		NS	—	NA	< 81.5	NA	NA
4-Chloro-3-methyl phenol	12000000	N	NS	—	NA	< 92.3	NA	NA
4-Chloroaniline	8600	C	NS	—	NA	< 125	NA	NA
4-Chlorophenyl phenyl ether	NS		NS	—	NA	< 92.3	NA	NA
4-Nitroaniline	86000	C	NS	—	NA	< 126	NA	NA
4-Nitrophenol	NS		NS	—	NA	< 80.1	NA	NA
4.140:Unknown	NS		NS	—	NA	NA	NA	NA
6.279:Styrene	870000	Csat	920	—	NA	NA	NA	NA
8.078:Unknown	NS		NS	—	NA	NA	NA	NA
Acenaphthene	6600000	N	8400	—	NA	< 103	NA	NA
Acenaphthylene	NS		21000	—	NA	< 106	NA	NA

Table 2-3
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Sample Location Date Collected Laboratory Sample ID Sample Depth (Feet bgs)	Preliminary Industrial Soil Remediation Goal (PSRG)		Protection of Groundwater (PSRG)	Soil * Background	SB-DG-1-9-10 10/28/13 92177472003 9 - 10	SB-DG-2-0-0.5 10/28/13 92177472006 0 - 0.5	SB-DG-2-0.5-1 10/28/13 92177472007 0.5 - 1	SB-DG-2-9-10 10/28/13 92177472008 9 - 10
SVOCs by Method 8270D (ug/kg)								
Acetophenone	2500000	Csat	3500	—	NA	NA	NA	NA
Aniline	300000	C	NS	—	NA	< 121	NA	NA
Anthracene	34000000	N	660000	—	NA	< 100	NA	NA
Atrazine	7500	C	25	—	NA	NA	NA	NA
Benzaldehyde	1200000	Csat	3000	—	NA	NA	NA	NA
Benzo(a)anthracene	2100	C,M	180	—	NA	< 82.8	NA	NA
Benzo(a)pyrene	210	C,M	59	—	NA	< 85.5	NA	NA
Benzo(b)fluoranthene	2100	C,M	600	—	NA	< 77.4	NA	NA
Benzo(g,h,i)perylene	NS		7800000	—	NA	< 114	NA	NA
Benzo(k)fluoranthene	21000	C,M	5900	—	NA	< 88.2	NA	NA
Benzoic Acid	100000000	Max	130000	—	NA	< 81.5	NA	NA
Benzyl alcohol	12000000	N	3100	—	NA	< 89.6	NA	NA
bis(2-Chloroethoxy)methane	360000	N	NS	—	NA	< 105	NA	NA
bis(2-Chloroethyl)ether	1000	C	0.14	—	NA	< 114	NA	NA
bis(2-Chloroisopropyl)ether	22000	C	NS	—	NA	< 119	NA	NA
bis(2-Ethylhexyl)phthalate	120000	C	7200	—	NA	< 122	NA	NA
Butyl benzyl phthalate	910000	C	150000	—	NA	< 95	NA	NA
Caprolactam	62000000	N	18000	—	NA	NA	NA	NA
Carbazole	NS		370	—	NA	NA	NA	NA
Chrysene	210000	C	18000	—	NA	< 59.7	NA	NA
Di-n-butyl phthalate	12000000	N	19000	—	NA	< 73.3	NA	NA
Di-n-octylphthalate	NS		38000	—	NA	< 93.7	NA	NA
Dibenzo(a,h)anthracene	210	C	190	—	NA	< 95	NA	NA
Dibenzofuran	170000	Csat	5200	—	NA	< 73.3	NA	NA
Diethylphthalate	98000000	N	37000	—	NA	< 69.2	NA	NA
Dimethyl phthalate	NS		NS	—	NA	< 91	NA	NA
Fluoranthene	4400000	N	330000	—	NA	< 65.2	NA	NA
Fluorene	4400000	N	56000	—	NA	< 92.3	NA	NA
Hexachloro-1,3-butadiene	22000	C	8.7	—	NA	< 77.4	NA	NA
Hexachlorobenzene	1100	C	2.6	—	NA	< 57	NA	NA
Hexachlorobutadiene	22000	C	8.7	—	NA	NA	NA	NA
Hexachlorocyclopentadiene	740000	N	NS	—	NA	< 82.8	NA	NA
Hexachloroethane	43000	N	NS	—	NA	< 118	NA	NA
Indeno(1,2,3-c,d)pyrene	2100	C,M	2000	—	NA	< 92.3	NA	NA
Isophorone	1800000	C	210	—	NA	< 100	NA	NA
N-Nitrosodi-n-propylamine	250	C	NS	—	NA	< 85.5	NA	NA
N-Nitrosodimethylamine	34	C,M	0.0031	—	NA	< 145	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	350000	C	NS	—	NA	< 133	NA	NA
Naphthalene	18000	C	210	—	NA	< 110	NA	NA
Nitrobenzene	24000	C	NS	—	NA	< 122	NA	NA
Pentachlorophenol	2700	C	31	—	NA	< 81.5	NA	NA
Phenanthrene	NS		68000	—	NA	< 74.7	NA	NA
Phenol	36000000	N	230	—	NA	< 134	NA	NA
Pyrene	3400000	N	220000	—	NA	< 76	NA	NA
Unknown Aldol Condensate	NS		NS	—	NA	NA	NA	NA
Metals by Method 6010C (mg/kg)								
Aluminum	100000	Max	NS	44671	NA	**19200**	NA	NA
Antimony	82	N	0.9	1.7	NA	< 0.33	NA	NA
Arsenic	1.6	C	5.8	8.0	NA	< 0.37	NA	NA
Barium	38000	N	580	69	NA	**12.6**	NA	NA
Beryllium	400	N	63	0.69	NA	**0.55**	NA	NA
Cadmium	160	N	3	1.5	NA	**4.4**	NA	NA
Calcium	NS		NS	2563	NA	**1390**	NA	NA
Chromium	100000	Max	360000	65	NA	**32.2**	NA	NA
Cobalt	60	N	0.9	6.3	NA	< 0.16	NA	NA
Copper	8200	N	700	45	NA	**9.9**	NA	NA
Iron	100000	Max	150	79914	NA	**58800**	NA	NA
Lead	800		270	58	NA	**32.3**	NA	NA
Magnesium	NS		NS	1853	NA	**156**	NA	NA
Manganese	4600	N	65	340	NA	**69**	NA	NA
Nickel	4000	N	130	14	NA	**2.9**	NA	NA
Potassium	NS		NS	1599	NA	**248 J//**	NA	NA
Selenium	1000	N	2.1	1.6	NA	**1.5**	NA	NA
Silver	1000	N	3.4	0.67	NA	**0.29 J//**	NA	NA
Sodium	NS		NS	441	NA	**15.1 J,B/B/K**	NA	NA
Thallium	2	N	0.28	5.2	NA	**1.5**	NA	NA
Vanadium	1000	N	6	132	NA	**151**	NA	NA
Zinc	62000	N	1200	63	NA	**15.1**	NA	NA
Hexavalent Chromium by Method 7196A (mg/kg)								
Hexavalent Chromium	5.6	C,M	3.8	NC	NA	NA	NA	NA
Mercury by Method 7471B (mg/kg)								
Mercury	3.1	Csat	1	0.065	NA	**0.066**	NA	NA

Table 2-2
Summary of Soil Analytical Data — 2012 and 2013
Ardee/Translite
Shelby, North Carolina

Notes:

* Soil background values are 2 x mean background concentrations, identified on Table 2-1.

Bold font and shading indicate the analyte was detected.

Bold outline (VOCs and SVOCs) indicates the concentration exceeds either the Industrial Health-Based or the Protection of Groundwater PSRG.

Bold outline (metals) indicates the concentration exceeds either the Industrial Health-Based or the Protection of Groundwater PSRG AND the Site-Specific Background Concentration.

Note: For 0-1 ft bgs data collected in January 2012, VOCs were collected at 0.5-1.0 ft bgs. All other parameters were collected at 0-0.5 ft bgs.

PSRG - Preliminary Soil Remediation Goal (PSRG Table; NCDENR, February 2013) located at: http://portal.ncdenr.org/web/wm/sf/sfavailabledocs.

C - The PSRG is based on the carcinogenic endpoint and corresponds

Csat - Soil Saturation Concentration.

M - Contaminant is a mutagen.

Max - Ceiling Concentration (100,000 mg/kg).

N - The PSRG is based on the non-carcinogenic endpoint and corresponds to a hazard quotient of 0.2.

— - Not Applicable for non-metals

mg/kg - milligrams per kilogram (parts per million)

NA - Not Analyzed

NC - Not Calculated

NS - No Standard

ug/kg - micrograms per kilogram (parts per billion)

See Table 2-7 for explanation of data qualifiers

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-1	MW-1	MW-2	MW-2-a
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12	02/02/12
Laboratory Sample ID	Groundwater	NB03008-012	92157594019	NB03008-010	NB03008-011
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	NA	< 0.33	NA	NA
1,1,1-Trichloroethane	200	< 5	< 0.48	< 5	< 5
1,1,2,2-Tetrachloroethane	0.2	< 5	< 0.4	< 5	< 5
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	< 5	NA	< 5	< 5
1,1,2-Trichloroethane	NS	< 5	< 0.29	< 5	< 5
1,1-Dichloroethane	6	< 5	< 0.32	**0.57 J//**	**0.51 J//**
1,1-Dichloroethene	7**	**3.6 J//**	**3.6**	**13**	**13**
1,1-Dichloropropene	NS	NA	< 0.49	NA	NA
1,2,3-Trichlorobenzene	NS	NA	< 0.33	NA	NA
1,2,3-Trichloropropane	0.005	NA	< 0.41	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 0.35	< 5	< 5
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 5	< 2.5	< 5	< 5
1,2-Dibromoethane (EDB)	0.02	< 5	< 0.27	< 5	< 5
1,2-Dichlorobenzene	20	< 5	< 0.3	< 5	< 5
1,2-Dichloroethane	0.4	< 5	< 0.12	< 5	< 5
1,2-Dichloropropane	0.6	< 5	< 0.27	< 5	< 5
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 5	< 0.24	< 5	< 5
1,3-Dichloropropane	NS	NA	< 0.28	NA	NA
1,4-Dichlorobenzene	6	< 5	< 0.33	< 5	< 5
1,4-Dioxane	3	< 250	NA	< 250	< 250
2,2-Dichloropropane	NS	NA	< 0.13	NA	NA
2-Butanone (MEK)	4000	< 10	< 0.96	< 10	< 10
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA
2-Chlorotoluene	100	NA	< 0.35	NA	NA
2-Hexanone	NS	< 10	< 0.46	< 10	< 10
4-Chlorotoluene	24*	NA	< 0.31	NA	NA
4-Methyl-2-pentanone (MIBK)	NS	< 10	< 0.33	< 10	< 10
Acetone	6000	< 20	< 10	< 20	< 20
Acrolein	NS	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA
Benzene	1	< 5	< 0.25	< 5	< 5
Bromobenzene	NS	NA	< 0.3	NA	NA
Bromochloromethane	NS	NA	< 0.17	NA	NA
Bromodichloromethane	0.6	< 5	< 0.18	< 5	< 5
Bromoform	4	< 5	< 0.26	< 5	< 5
Bromomethane (Methyl bromide)	NS	< 5	< 0.29	< 5	< 5
Carbon disulfide	700	< 5	NA	< 5	< 5
Carbon tetrachloride	0.3	< 5	< 0.25	< 5	< 5
Chlorobenzene	50	< 5	< 0.23	< 5	< 5
Chloroethane	3000	< 5	< 0.54	< 5	< 5
Chloroform	70	**11**	**8.2**	**9.5**	**9.4**
Chloromethane (Methyl chloride)	3	< 5	< 0.11	< 5	< 5
cis-1,2-Dichloroethene	70	< 5	< 0.19	< 5	< 5
cis-1,3-Dichloropropene	0.4	< 5	< 0.13	< 5	< 5
Cyclohexane	NS	< 5	NA	< 5	< 5
Dibromochloromethane	0.4	< 5	< 0.21	< 5	< 5
Dibromomethane	70*	NA	< 0.21	NA	NA
Dichlorodifluoromethane	1000	< 5	< 0.21	< 5	< 5
Diisopropyl ether	NS	NA	< 0.12	NA	NA
Ethylbenzene	600	< 5	< 0.3	< 5	< 5
Hexachloro-1,3-butadiene	NS	NA	< 0.71	NA	NA
Isopropyl Ether	70	NA	NA	NA	NA
Isopropylbenzene	70	< 5	NA	< 5	< 5
m&p-Xylene	500	NA	< 0.66	NA	NA
Methyl acetate	NS	< 5	NA	< 5	< 5
Methyl tertiary butyl ether (MTBE)	20	< 5	< 0.21	< 5	< 5
Methylcyclohexane	NS	< 5	NA	< 5	< 5
Methylene chloride	5	< 5	< 0.97	< 5	< 5
n-Butylbenzene	70	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA
Naphthalene	6	NA	< 0.24	NA	NA
o-Xylene	500	NA	< 0.23	NA	NA
p-Isopropyltoluene	NS	NA	< 0.31	NA	NA
sec-Butylbenzene	70	NA	NA	NA	NA
Styrene	70	< 5	< 0.26	< 5	< 5
tert-Butylbenzene	70	NA	NA	NA	NA
Tetrachloroethene	0.7	< 5	< 0.46	**0.45 J//**	**0.48 J//**
Toluene	600	< 5	< 0.26	< 5	< 5
trans-1,2-Dichloroethene	100	< 5	< 0.49	< 5	< 5
trans-1,3-Dichloropropene	0.4	< 5	< 0.26	< 5	< 5
Trichloroethene	3	< 5	< 0.47	**0.8 J//**	**0.75 J//**
Trichlorofluoromethane	2000	< 5	< 0.2	< 5	< 5
Vinyl acetate	88*	NA	< 0.35	NA	NA
Vinyl chloride	0.03	< 2	< 0.62	< 2	< 2
Xylenes (total)	500	< 5	< 0.66	< 5	< 5

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-1	MW-1	MW-2	MW-2-a
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12	02/02/12
Laboratory Sample ID	Groundwater	NB03008-012	92157594019	NB03008-010	NB03008-011
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	< 5.2	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	< 5.2	NA
2,4,6-Trichlorophenol	NS	NA	NA	< 5.2	NA
2,4-Dichlorophenol	NS	NA	NA	< 5.2	NA
2,4-Dimethylphenol	100	NA	NA	< 5.2	NA
2,4-Dinitrophenol	NS	NA	NA	< 26	NA
2,4-Dinitrotoluene	NS	NA	NA	< 10	NA
2,6-Dinitrotoluene	NS	NA	NA	< 10	NA
2-Chloronaphthalene	NS	NA	NA	< 5.2	NA
2-Chlorophenol	0.4	NA	NA	< 5.2	NA
2-Methylnaphthalene	30	NA	NA	< 5.2	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	< 5.2	NA
2-Nitroaniline	NS	NA	NA	< 10	NA
2-Nitrophenol	NS	NA	NA	< 10	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 [2]	NA	NA	< 10	NA
3,3'-Dichlorobenzidine	NS	NA	NA	< 26	NA
3-Nitroaniline	NS	NA	NA	< 10	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	< 26	NA
4-Bromophenyl phenyl ether	NS	NA	NA	< 5.2	NA
4-Chloro-3-methyl phenol	NS	NA	NA	< 5.2	NA
4-Chloroaniline	NS	NA	NA	< 5.2 /R/c	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	< 5.2	NA
4-Nitroaniline	NS	NA	NA	< 10	NA
4-Nitrophenol	NS	NA	NA	< 26	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	NA	NA	< 5.2	NA
Acenaphthylene	200	NA	NA	< 5.2	NA
Acetophenone	NS	NA	NA	< 5.2	NA
Aniline	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	< 5.2	NA
Atrazine	3	NA	NA	< 5.2	NA
Benzaldehyde	NS	NA	NA	< 26	NA
Benzo(a)anthracene	0.05	NA	NA	< 5.2	NA
Benzo(a)pyrene	0.005	NA	NA	< 5.2	NA
Benzo(b)fluoranthene	0.05	NA	NA	< 5.2	NA
Benzo(g,h,i)perylene	200	NA	NA	< 5.2	NA
Benzo(k)fluoranthene	0.5	NA	NA	< 5.2	NA
Benzoic Acid	30000	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	< 5.2	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	< 5.2	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	< 5.2	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	< 5.2	NA
Butyl benzyl phthalate	1000	NA	NA	< 10	NA
Caprolactam	4000	NA	NA	< 26	NA
Carbazole	NS	NA	NA	< 5.2	NA
Chrysene	5	NA	NA	< 5.2	NA
Di-n-butyl phthalate	700	NA	NA	< 5.2	NA
Di-n-octylphthalate	100	NA	NA	< 5.2	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	< 5.2	NA
Dibenzofuran	NS	NA	NA	< 5.2	NA
Diethylphthalate	600	NA	NA	< 5.2	NA
Dimethyl phthalate	NS	NA	NA	< 5.2	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-1	MW-1	MW-2		MW-2-a	
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12		02/02/12	
Laboratory Sample ID	Groundwater	NB03008-012	92157594019	NB03008-010		NB03008-011	
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7		24.7-34.7	
SVOCs by Method 8270D (ug/L)							
Fluoranthene	300	NA	NA	< 5.2		NA	
Fluorene	300	NA	NA	< 5.2		NA	
Hexachlorobenzene	0.02	NA	NA	< 5.2		NA	
Hexachlorobutadiene	0.4	NA	NA	< 5.2		NA	
Hexachlorocyclopentadiene	NS	NA	NA	< 26		NA	
Hexachloroethane	NS	NA	NA	< 5.2		NA	
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	< 5.2		NA	
Isophorone	40	NA	NA	< 5.2		NA	
N-Nitrosodi-n-propylamine	NS	NA	NA	< 5.2		NA	
N-Nitrosodimethylamine	0.0007	NA	NA	NA		NA	
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	< 5.2		NA	
Naphthalene	6	NA	NA	< 5.2		NA	
Nitrobenzene	NS	NA	NA	< 5.2		NA	
Pentachlorophenol	0.3	NA	NA	< 26		NA	
Phenanthrene	200	NA	NA	< 5.2		NA	
Phenol	30	NA	NA	< 5.2		NA	
Pyrene	200	NA	NA	< 5.2		NA	
Unknown	NS	NA	NA	**23**		NA	
Unknown-	NS	NA	NA	**210**		NA	
Metals by Method 6010C (mg/L)							
Aluminum	NS	NA	NA	**0.2**	**B/B/VK**	**0.17**	**BJ/B/VK**
Antimony	NS	NA	NA	**0.0055**	**BJ/B/K**	**0.0028**	**BJ/B/K**
Arsenic	0.01	NA	< 0.01	**0.0065**	**J/B/V**	**0.0042**	**J/B/V**
Barium	0.7	NA	NA	**0.08**		**0.078**	
Beryllium	NS	NA	NA	< 0.004		< 0.004	
Cadmium	0.002	NA	NA	< 0.002		< 0.002	
Calcium	NS	NA	NA	**1.5**	**J//**	**1.6**	**J//**
Chromium	0.01	NA	< 0.005	**0.043**		**0.047**	
Cobalt	NS	NA	NA	< 0.025		< 0.025	
Copper	1	NA	NA	< 0.005		< 0.005	
Iron	0.3	NA	NA	**0.14**		**0.15**	
Lead	0.015	NA	NA	**0.0041**	**J/B/V**	**0.0038**	**J/B/V**
Magnesium	NS	NA	NA	**1.5**	**J//**	**1.5**	**J//**
Manganese	0.05	NA	NA	**0.046**		**0.047**	
Nickel	0.1	NA	NA	< 0.04		< 0.04	
Potassium	NS	NA	NA	**11**		**9.7**	
Selenium	0.02	NA	NA	< 0.01		< 0.01	
Silver	0.02	NA	NA	< 0.005		< 0.005	
Sodium	NS	NA	NA	**9.6**		**9**	
Thallium	NS	NA	NA	**0.0059**	**J/B/V**	< 0.05	
Vanadium	NS	NA	NA	< 0.05		< 0.05	
Zinc	1	NA	NA	**0.01**	**J//**	**0.01**	**J//**
Hexavalent Chromium by Method SM 3500-Cr (mg/L)							
Hexavalent Chromium	0.01	NA	NA	**0.042**		NA	
Mercury by Method 7470A (mg/L)							
Mercury	0.001	NA	NA	< 0.0001		**0.000087**	**J//**
Dissolved Metals by Method 6010C (mg/L)							
Dissolved Aluminum	NS	NA	NA	**0.14**	**BJ/B/K**	NA	
Dissolved Antimony	NS	NA	NA	**0.0034**	**BJ/B/K**	NA	
Dissolved Arsenic	0.01	NA	NA	< 0.01		NA	
Dissolved Barium	0.7	NA	NA	**0.074**		NA	
Dissolved Beryllium	NS	NA	NA	< 0.004		NA	
Dissolved Cadmium	0.002	NA	NA	< 0.002		NA	
Dissolved Calcium	NS	NA	NA	**1.3**	**J//**	NA	
Dissolved Chromium	0.01	NA	NA	**0.044**		NA	
Dissolved Cobalt	NS	NA	NA	< 0.025		NA	
Dissolved Copper	1	NA	NA	< 0.005		NA	
Dissolved Iron	0.3	NA	NA	< 0.1		NA	
Dissolved Lead	0.015	NA	NA	**0.0041**	**J//**	NA	
Dissolved Magnesium	NS	NA	NA	**1.4**	**J//**	NA	
Dissolved Manganese	0.05	NA	NA	**0.041**		NA	
Dissolved Nickel	0.1	NA	NA	< 0.04		NA	
Dissolved Potassium	NS	NA	NA	**9.5**		NA	
Dissolved Selenium	0.02	NA	NA	< 0.01		NA	
Dissolved Silver	0.02	NA	NA	< 0.005		NA	
Dissolved Sodium	NS	NA	NA	**8.9**		NA	
Dissolved Thallium	NS	NA	NA	< 0.05		NA	
Dissolved Vanadium	NS	NA	NA	< 0.05		NA	
Dissolved Zinc	1	NA	NA	**0.011**	**J//**	NA	
Dissolved Mercury by Method 7470A (mg/L)							
Dissolved Mercury	0.001	NA	NA	< 0.0001		NA	

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2	MW-2-a	MW-2	MW-2-a	MW-2
Date Collected	2L .0202	05/09/13	05/09/13	10/29/13	10/29/13	12/16/13
Laboratory Sample ID	Groundwater	92157594021	92157594022	92177599007	92177599009	OL19001-007
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
VOCs by Method 8260B (ug/L)						
1,1,1,2-Tetrachloroethane	1*	< 0.33	< 0.33	< 0.66	< 0.66	NA
1,1,1-Trichloroethane	200	< 0.48	< 0.48	< 0.96	< 0.96	< 1
1,1,2,2-Tetrachloroethane	0.2	< 0.4	< 0.4	< 0.8	< 0.8	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	NA	NA	NA	< 1
1,1,2-Trichloroethane	NS	< 0.29	< 0.29	< 0.58	< 0.58	**0.31 J//**
1,1-Dichloroethane	6	**1.3**	**1.5**	**2.5**	**2.8**	**2.1**
1,1-Dichloroethene	7**	**62.9**	**69.4**	**165**	**233**	**150**
1,1-Dichloropropene	NS	< 0.49	< 0.49	< 0.98	< 0.98	NA
1,2,3-Trichlorobenzene	NS	< 0.33	< 0.33	< 0.66	< 0.66	NA
1,2,3-Trichloropropane	0.005	< 0.41	< 0.41	< 0.82	< 0.82	NA
1,2,4-Trichlorobenzene	70	< 0.35	< 0.35	< 0.7	< 0.7	< 1
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2.5	< 2.5	< 5	< 5	< 1
1,2-Dibromoethane (EDB)	0.02	< 0.27	< 0.27	< 0.54	< 0.54	< 1
1,2-Dichlorobenzene	20	< 0.3	< 0.3	< 0.6	< 0.6	< 1
1,2-Dichloroethane	0.4	**1.3**	**1.5**	**10.8**	**11.9**	**6.1**
1,2-Dichloropropane	0.6	< 0.27	< 0.27	< 0.54	< 0.54	< 1
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.24	< 0.24	< 0.48	< 0.48	< 1
1,3-Dichloropropane	NS	< 0.28	< 0.28	< 0.56	< 0.56	NA
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.66	< 0.66	< 1
1,4-Dioxane	3	NA	NA	**2300**	**2380**	**1500**
2,2-Dichloropropane	NS	< 0.13	< 0.13	< 0.26	< 0.26	NA
2-Butanone (MEK)	4000	< 0.96	< 0.96	< 1.9	< 1.9	< 10
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA	NA
2-Chlorotoluene	100	< 0.35	< 0.35	< 0.7	< 0.7	NA
2-Hexanone	NS	< 0.46	< 0.46	< 0.92	< 0.92	< 10
4-Chlorotoluene	24*	< 0.31	< 0.31	< 0.62	< 0.62	NA
4-Methyl-2-pentanone (MIBK)	NS	< 0.33	< 0.33	< 0.66	< 0.66	< 10
Acetone	6000	< 10	< 10	< 20	< 20	< 20
Acrolein	NS	NA	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA	NA
Benzene	1	< 0.25	< 0.25	< 0.5	< 0.5	**0.3 J//**
Bromobenzene	NS	< 0.3	< 0.3	< 0.6	< 0.6	NA
Bromochloromethane	NS	< 0.17	< 0.17	< 0.34	< 0.34	NA
Bromodichloromethane	0.6	< 0.18	< 0.18	< 0.36	< 0.36	< 1
Bromoform	4	< 0.26	< 0.26	< 0.52	< 0.52	< 1
Bromomethane (Methyl bromide)	NS	< 0.29	< 0.29	< 0.58	< 0.58	< 2
Carbon disulfide	700	NA	NA	NA	NA	< 1
Carbon tetrachloride	0.3	< 0.25	< 0.25	< 0.5	< 0.5	< 1
Chlorobenzene	50	< 0.23	< 0.23	< 0.46	< 0.46	< 1
Chloroethane	3000	< 0.54	< 0.54	< 1.1	< 1.1	< 2
Chloroform	70	**9.5**	**9.5**	**4.3**	**4.9**	**7.7**
Chloromethane (Methyl chloride)	3	< 0.11	< 0.11	< 0.22	< 0.22	< 1
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.38	< 0.38	**0.4 J//**
cis-1,3-Dichloropropene	0.4	< 0.13	< 0.13	< 0.26	< 0.26	< 1
Cyclohexane	NS	NA	NA	NA	NA	< 1
Dibromochloromethane	0.4	< 0.21	< 0.21	< 0.42	< 0.42	< 1
Dibromomethane	70*	< 0.21	< 0.21	< 0.42	< 0.42	NA
Dichlorodifluoromethane	1000	< 0.21	< 0.21	< 0.42	< 0.42	< 2
Diisopropyl ether	NS	< 0.12	< 0.12	< 0.24	< 0.24	NA
Ethylbenzene	600	< 0.3	< 0.3	< 0.6	< 0.6	< 1
Hexachloro-1,3-butadiene	NS	< 0.71	< 0.71	< 1.4	< 1.4	NA
Isopropyl Ether	70	NA	NA	NA	NA	NA
Isopropylbenzene	70	NA	NA	NA	NA	< 1
m&p-Xylene	500	< 0.66	< 0.66	< 1.3	< 1.3	NA
Methyl acetate	NS	NA	NA	NA	NA	< 1
Methyl tertiary butyl ether (MTBE)	20	< 0.21	< 0.21	< 0.42	< 0.42	< 1
Methylcyclohexane	NS	NA	NA	NA	NA	< 5
Methylene chloride	5	< 0.97	< 0.97	< 1.9	< 1.9	< 1
n-Butylbenzene	70	NA	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA	NA
Naphthalene	6	< 0.24	< 0.24	< 0.48	< 0.48	NA
o-Xylene	500	< 0.23	< 0.23	< 0.46	< 0.46	NA
p-Isopropyltoluene	NS	< 0.31	< 0.31	< 0.62	< 0.62	NA
sec-Butylbenzene	70	NA	NA	NA	NA	NA
Styrene	70	< 0.26	< 0.26	< 0.52	< 0.52	< 1
tert-Butylbenzene	70	NA	NA	NA	NA	NA
Tetrachloroethene	0.7	**5.1**	**5.7**	**11.2**	**14.2**	**12**
Toluene	600	< 0.26	< 0.26	< 0.52	< 0.52	< 1
trans-1,2-Dichloroethene	100	< 0.49	< 0.49	< 0.98	< 0.98	< 1
trans-1,3-Dichloropropene	0.4	< 0.26	< 0.26	< 0.52	< 0.52	< 1
Trichloroethene	3	**2.7**	**3.2**	**7.5**	**8.7**	**7.3**
Trichlorofluoromethane	2000	< 0.2	< 0.2	< 0.4	< 0.4	< 1
Vinyl acetate	88*	< 0.35	< 0.35	< 0.7	< 0.7	NA
Vinyl chloride	0.03	< 0.62	< 0.62	< 1.2	< 1.2	< 1
Xylenes (total)	500	< 0.66	< 0.66	< 1.3	< 1.3	< 1

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2	MW-2-a	MW-2	MW-2-a	MW-2
Date Collected	2L .0202	05/09/13	05/09/13	10/29/13	10/29/13	12/16/13
Laboratory Sample ID	Groundwater	92157594021	92157594022	92177599007	92177599009	OL19001-007
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)						
1,4-Dioxane	3	NA	NA	NA	NA	**1100**
SVOCs by Method 8270D (ug/L)						
1,1'-Biphenyl	400	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	NA	NA
Acenaphthylene	200	NA	NA	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.005	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2	MW-2-a	MW-2	MW-2-a	MW-2
Date Collected	2L .0202	05/09/13	05/09/13	10/29/13	10/29/13	12/16/13
Laboratory Sample ID	Groundwater	92157594021	92157594022	92177599007	92177599009	OL19001-007
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
SVOCs by Method 8270D (ug/L)						
Fluoranthene	300	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	NA	NA
Isophorone	40	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	NA	NA
Phenol	30	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA
Unknown	NS	NA	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/L)						
Aluminum	NS	NA	NA	**0.0644 J//**	**0.0865 J//**	NA
Antimony	NS	NA	NA	< 0.0026	< 0.0026	NA
Arsenic	0.01	< 0.01	< 0.01	< 0.0027	< 0.0027	NA
Barium	0.7	NA	NA	**0.0346**	**0.035**	NA
Beryllium	NS	NA	NA	< 0.0005	< 0.0005	NA
Cadmium	0.002	NA	NA	< 0.0005	< 0.0005	NA
Calcium	NS	NA	NA	**0.773**	**0.767**	NA
Chromium	0.01	< 0.005	< 0.005	< 0.002	< 0.002	NA
Cobalt	NS	NA	NA	< 0.002	< 0.002	NA
Copper	1	NA	NA	< 0.002	< 0.002	NA
Iron	0.3	NA	NA	**0.133**	**0.107**	NA
Lead	0.015	NA	NA	< 0.004	< 0.004	NA
Magnesium	NS	NA	NA	**0.588**	**0.59**	NA
Manganese	0.05	NA	NA	**0.0696**	**0.0704**	NA
Nickel	0.1	NA	NA	< 0.0025	< 0.0025	NA
Potassium	NS	NA	NA	< 2.5	< 2.5	NA
Selenium	0.02	NA	NA	< 0.005	< 0.005	NA
Silver	0.02	NA	NA	< 0.0025	< 0.0025	NA
Sodium	NS	NA	NA	< 2.5	< 2.5	NA
Thallium	NS	NA	NA	< 0.005	< 0.005	NA
Vanadium	NS	NA	NA	< 0.0025	< 0.0025	NA
Zinc	1	NA	NA	**0.014**	**0.0148**	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)						
Hexavalent Chromium	0.01	< 0.01	< 0.01	< 0.00001	< 0.00001	NA
Mercury by Method 7470A (mg/L)						
Mercury	0.001	NA	NA	**0.00014 J/B/K**	**0.00013 J/B/K**	NA
Dissolved Metals by Method 6010C (mg/L)						
Dissolved Aluminum	NS	NA	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)						
Dissolved Mercury	0.001	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2-b	MW-2D	MW-2D	MW-3	MW-3
Date Collected	2L .0202	12/16/13	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	3120327-04	NB03008-009	92157594020	NB03008-006	92157594016
Screened Interval (Feet bgs)	Standard	24.7-34.7	49.7-59.7	49.7-59.7	19.7-29.7	19.7-29.7
VOCs by Method 8260B (ug/L)						
1,1,1,2-Tetrachloroethane	1*	< 0.5	NA	< 0.33	NA	< 0.33
1,1,1-Trichloroethane	200	< 0.5	< 5	< 0.48	< 5	< 0.48
1,1,2,2-Tetrachloroethane	0.2	< 0.5	< 5	< 0.4	< 5	< 0.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	< 5	NA	< 5	NA
1,1,2-Trichloroethane	NS	< 0.5	< 5	< 0.29	< 5	< 0.29
1,1-Dichloroethane	6	**2.3**	< 5	< 0.32	< 5	< 0.32
1,1-Dichloroethene	7**	**160**	**0.55 J//**	< 0.56	< 5	< 0.56
1,1-Dichloropropene	NS	< 0.5	NA	< 0.49	NA	< 0.49
1,2,3-Trichlorobenzene	NS	< 2	NA	< 0.33	NA	< 0.33
1,2,3-Trichloropropane	0.005	< 1	NA	< 0.41	NA	< 0.41
1,2,4-Trichlorobenzene	70	< 1	< 5	< 0.35	< 5	< 0.35
1,2,4-Trimethylbenzene	400	< 0.5	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2	< 5	< 2.5	< 5	< 2.5
1,2-Dibromoethane (EDB)	0.02	< 0.5	< 5	< 0.27	< 5	< 0.27
1,2-Dichlorobenzene	20	< 0.5	< 5	< 0.3	< 5	< 0.3
1,2-Dichloroethane	0.4	**6.7**	< 5	< 0.12	< 5	< 0.12
1,2-Dichloropropane	0.6	< 0.5	< 5	< 0.27	< 5	< 0.27
1,3,5-Trimethylbenzene	400	< 0.5	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.5	< 5	< 0.24	< 5	< 0.24
1,3-Dichloropropane	NS	< 0.5	NA	< 0.28	NA	< 0.28
1,4-Dichlorobenzene	6	< 0.5	< 5	< 0.33	< 5	< 0.33
1,4-Dioxane	3	**890**	< 250	NA	< 250	NA
2,2-Dichloropropane	NS	< 2	NA	< 0.13	NA	< 0.13
2-Butanone (MEK)	4000	< 5	< 10	< 0.96	< 10	< 0.96
2-Chloroethyl Vinyl Ether	NS	< 2	NA	NA	NA	NA
2-Chlorotoluene	100	< 0.5	NA	< 0.35	NA	< 0.35
2-Hexanone	NS	< 5	< 10	< 0.46	< 10	< 0.46
4-Chlorotoluene	24*	< 0.5	NA	< 0.31	NA	< 0.31
4-Methyl-2-pentanone (MIBK)	NS	< 5	< 10	< 0.33	< 10	< 0.33
Acetone	6000	< 5	< 20	< 10	**9 J//**	< 10
Acrolein	NS	< 20	NA	NA	NA	NA
Acrylonitrile	NS	< 20	NA	NA	NA	NA
Benzene	1	< 0.5	< 5	< 0.25	**0.34 J//**	< 0.25
Bromobenzene	NS	< 0.5	NA	< 0.3	NA	< 0.3
Bromochloromethane	NS	< 0.5	NA	< 0.17	NA	< 0.17
Bromodichloromethane	0.6	< 0.5	< 5	< 0.18	< 5	< 0.18
Bromoform	4	< 1	< 5	< 0.26	< 5	< 0.26
Bromomethane (Methyl bromide)	NS	< 1	< 5	< 0.29	< 5	< 0.29
Carbon disulfide	700	< 5	< 5	NA	**0.45 J//**	NA
Carbon tetrachloride	0.3	< 0.5	< 5	< 0.25	< 5	< 0.25
Chlorobenzene	50	< 0.5	< 5	< 0.23	< 5	< 0.23
Chloroethane	3000	< 0.5	< 5	< 0.54	< 5	< 0.54
Chloroform	70	**7.7**	**10**	**9.1**	< 5	< 0.14
Chloromethane (Methyl chloride)	3	< 0.5	< 5	< 0.11	< 5	< 0.11
cis-1,2-Dichloroethene	70	< 0.5	< 5	< 0.19	< 5	< 0.19
cis-1,3-Dichloropropene	0.4	< 0.5	< 5	< 0.13	< 5	< 0.13
Cyclohexane	NS	NA	< 5	NA	< 5	NA
Dibromochloromethane	0.4	< 0.5	< 5	< 0.21	< 5	< 0.21
Dibromomethane	70*	< 0.5	NA	< 0.21	NA	< 0.21
Dichlorodifluoromethane	1000	< 1	< 5	< 0.21	< 5	< 0.21
Diisopropyl ether	NS	NA	NA	< 0.12	NA	< 0.12
Ethylbenzene	600	< 0.5	< 5	< 0.3	< 5	< 0.3
Hexachloro-1,3-butadiene	NS	< 2	NA	< 0.71	NA	< 0.71
Isopropyl Ether	70	< 0.5	NA	NA	NA	NA
Isopropylbenzene	70	< 0.5	< 5	NA	< 5	NA
m&p-Xylene	500	< 1	NA	< 0.66	NA	< 0.66
Methyl acetate	NS	NA	< 5	NA	< 5	NA
Methyl tertiary butyl ether (MTBE)	20	< 0.5	< 5	< 0.21	< 5	< 0.21
Methylcyclohexane	NS	NA	< 5	NA	< 5	NA
Methylene chloride	5	< 1	< 5	< 0.97	< 5	< 0.97
n-Butylbenzene	70	< 1	NA	NA	NA	NA
n-Propylbenzene	70	< 0.5	NA	NA	NA	NA
Naphthalene	6	< 1	NA	< 0.24	NA	< 0.24
o-Xylene	500	< 0.5	NA	< 0.23	NA	< 0.23
p-Isopropyltoluene	NS	< 0.5	NA	< 0.31	NA	< 0.31
sec-Butylbenzene	70	< 0.5	NA	NA	NA	NA
Styrene	70	< 0.5	< 5	< 0.26	< 5	< 0.26
tert-Butylbenzene	70	< 0.5	NA	NA	NA	NA
Tetrachloroethene	0.7	**19**	< 5	< 0.46	< 5	< 0.46
Toluene	600	< 0.5	< 5	< 0.26	< 5	< 0.26
trans-1,2-Dichloroethene	100	< 0.5	< 5	< 0.49	< 5	< 0.49
trans-1,3-Dichloropropene	0.4	< 0.5	< 5	< 0.26	< 5	< 0.26
Trichloroethene	3	**9**	< 5	< 0.47	< 5	< 0.47
Trichlorofluoromethane	2000	< 0.5	< 5	< 0.2	< 5	< 0.2
Vinyl acetate	88*	< 2	NA	< 0.35	NA	< 0.35
Vinyl chloride	0.03	< 0.5	< 2	< 0.62	< 2	< 0.62
Xylenes (total)	500	< 3	< 5	< 0.66	< 5	< 0.66

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2-b	MW-2D	MW-2D	MW-3	MW-3
Date Collected	2L .0202	12/16/13	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	3120327-04	NB03008-009	92157594020	NB03008-006	92157594016
Screened Interval (Feet bgs)	Standard	24.7-34.7	49.7-59.7	49.7-59.7	19.7-29.7	19.7-29.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)						
1,4-Dioxane	3	NA	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)						
1,1'-Biphenyl	400	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	< 5.2	NA
Acenaphthylene	200	NA	NA	NA	< 5.2	NA
Acetophenone	NS	NA	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	< 5.2	NA
Atrazine	3	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	< 5.2	NA
Benzo(a)pyrene	0.005	NA	NA	NA	< 5.2	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	< 5.2	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	< 5.2	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	< 5.2	NA
Benzoic Acid	30000	NA	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	< 5.2	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	< 5.2	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-2-b	MW-2D	MW-2D	MW-3	MW-3
Date Collected	2L .0202	12/16/13	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	3120327-04	NB03008-009	92157594020	NB03008-006	92157594016
Screened Interval (Feet bgs)	Standard	24.7-34.7	49.7-59.7	49.7-59.7	19.7-29.7	19.7-29.7
SVOCs by Method 8270D (ug/L)						
Fluoranthene	300	NA	NA	NA	< 5.2	NA
Fluorene	300	NA	NA	NA	< 5.2	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	< 5.2	NA
Isophorone	40	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	< 5.2	NA
Nitrobenzene	NS	NA	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	< 5.2	NA
Phenol	30	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	< 5.2	NA
Unknown	NS	NA	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/L)						
Aluminum	NS	NA	NA	NA	**1.1 B/B/V**	NA
Antimony	NS	NA	NA	NA	< 0.01	NA
Arsenic	0.01	NA	NA	NA	< 0.01	< 0.02 D3//
Barium	0.7	NA	NA	NA	**0.022 J//**	NA
Beryllium	NS	NA	NA	NA	< 0.004	NA
Cadmium	0.002	NA	NA	NA	< 0.002	NA
Calcium	NS	NA	NA	NA	**36**	NA
Chromium	0.01	NA	NA	NA	**0.013**	**0.0141**
Cobalt	NS	NA	NA	NA	**0.0099 J//**	NA
Copper	1	NA	NA	NA	**0.018**	NA
Iron	0.3	NA	NA	NA	**1.2**	NA
Lead	0.015	NA	NA	NA	**0.008 J/B/V**	NA
Magnesium	NS	NA	NA	NA	**2.7 J//**	NA
Manganese	0.05	NA	NA	NA	**0.09**	NA
Nickel	0.1	NA	NA	NA	**0.036 J//**	NA
Potassium	NS	NA	NA	NA	**8**	NA
Selenium	0.02	NA	NA	NA	< 0.01	NA
Silver	0.02	NA	NA	NA	< 0.005	NA
Sodium	NS	NA	NA	NA	**4.8 J//**	NA
Thallium	NS	NA	NA	NA	< 0.05	NA
Vanadium	NS	NA	NA	NA	**0.028 J//**	NA
Zinc	1	NA	NA	NA	**0.096**	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)						
Hexavalent Chromium	0.01	NA	NA	NA	NA	< 0.01
Mercury by Method 7470A (mg/L)						
Mercury	0.001	NA	NA	NA	< 0.0001	NA
Dissolved Metals by Method 6010C (mg/L)						
Dissolved Aluminum	NS	NA	NA	NA	**0.17 BJ/B/K**	NA
Dissolved Antimony	NS	NA	NA	NA	< 0.01	NA
Dissolved Arsenic	0.01	NA	NA	NA	**0.0077 J//**	NA
Dissolved Barium	0.7	NA	NA	NA	**0.018 J//**	NA
Dissolved Beryllium	NS	NA	NA	NA	< 0.004	NA
Dissolved Cadmium	0.002	NA	NA	NA	**0.00063 J//**	NA
Dissolved Calcium	NS	NA	NA	NA	**32**	NA
Dissolved Chromium	0.01	NA	NA	NA	**0.0047 J//**	NA
Dissolved Cobalt	NS	NA	NA	NA	**0.016 J//**	NA
Dissolved Copper	1	NA	NA	NA	**0.0068**	NA
Dissolved Iron	0.3	NA	NA	NA	**0.091 J//**	NA
Dissolved Lead	0.015	NA	NA	NA	**0.0063 J//**	NA
Dissolved Magnesium	NS	NA	NA	NA	**3.5 J//**	NA
Dissolved Manganese	0.05	NA	NA	NA	**0.1**	NA
Dissolved Nickel	0.1	NA	NA	NA	**0.02 J//**	NA
Dissolved Potassium	NS	NA	NA	NA	**9.6**	NA
Dissolved Selenium	0.02	NA	NA	NA	< 0.01	NA
Dissolved Silver	0.02	NA	NA	NA	< 0.005	NA
Dissolved Sodium	NS	NA	NA	NA	**5.1**	NA
Dissolved Thallium	NS	NA	NA	NA	< 0.05	NA
Dissolved Vanadium	NS	NA	NA	NA	**0.024 J//**	NA
Dissolved Zinc	1	NA	NA	NA	**0.01 J//**	NA
Dissolved Mercury by Method 7470A (mg/L)						
Dissolved Mercury	0.001	NA	NA	NA	**0.000087 J//**	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-3	MW-4	MW-4	MW-4-a
Date Collected	2L .0202	10/29/13	02/02/12	05/09/13	05/09/13
Laboratory Sample ID	Groundwater	92177599012	NB03008-007	92157594017	92157594018
Screened Interval (Feet bgs)	Standard	19.7-29.7	24.7-34.7	24.7-34.7	24.7-34.7
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	< 0.33	NA	< 0.33	< 0.33
1,1,1-Trichloroethane	200	< 0.48	< 5	< 0.48	< 0.48
1,1,2,2-Tetrachloroethane	0.2	< 0.4	< 5	< 0.4	< 0.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	< 5	NA	NA
1,1,2-Trichloroethane	NS	< 0.29	< 5	< 0.29	< 0.29
1,1-Dichloroethane	6	< 0.32	< 5	< 0.32	< 0.32
1,1-Dichloroethene	7**	**5**	**18**	**12.7**	**20.7**
1,1-Dichloropropene	NS	< 0.49	NA	< 0.49	< 0.49
1,2,3-Trichlorobenzene	NS	< 0.33	NA	< 0.33	< 0.33
1,2,3-Trichloropropane	0.005	< 0.41	NA	< 0.41	< 0.41
1,2,4-Trichlorobenzene	70	< 0.35	< 5	< 0.35	< 0.35
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2.5	< 5	< 2.5	< 2.5
1,2-Dibromoethane (EDB)	0.02	< 0.27	< 5	< 0.27	< 0.27
1,2-Dichlorobenzene	20	< 0.3	< 5	< 0.3	< 0.3
1,2-Dichloroethane	0.4	< 0.12	< 5	< 0.12	< 0.12
1,2-Dichloropropane	0.6	< 0.27	< 5	< 0.27	< 0.27
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.24	< 5	< 0.24	< 0.24
1,3-Dichloropropane	NS	< 0.28	NA	< 0.28	< 0.28
1,4-Dichlorobenzene	6	< 0.33	< 5	< 0.33	< 0.33
1,4-Dioxane	3	< 78.4	< 250	NA	NA
2,2-Dichloropropane	NS	< 0.13	NA	< 0.13	< 0.13
2-Butanone (MEK)	4000	< 0.96	< 10	< 0.96	< 0.96
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA
2-Chlorotoluene	100	< 0.35	NA	< 0.35	< 0.35
2-Hexanone	NS	< 0.46	< 10	< 0.46	< 0.46
4-Chlorotoluene	24*	< 0.31	NA	< 0.31	< 0.31
4-Methyl-2-pentanone (MIBK)	NS	< 0.33	< 10	< 0.33	< 0.33
Acetone	6000	< 10	< 20	< 10	< 10
Acrolein	NS	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA
Benzene	1	< 0.25	< 5	< 0.25	< 0.25
Bromobenzene	NS	< 0.3	NA	< 0.3	< 0.3
Bromochloromethane	NS	< 0.17	NA	< 0.17	< 0.17
Bromodichloromethane	0.6	< 0.18	< 5	< 0.18	< 0.18
Bromoform	4	< 0.26	< 5	< 0.26	< 0.26
Bromomethane (Methyl bromide)	NS	< 0.29	< 5	< 0.29	< 0.29
Carbon disulfide	700	NA	< 5	NA	NA
Carbon tetrachloride	0.3	< 0.25	< 5	< 0.25	< 0.25
Chlorobenzene	50	< 0.23	< 5	< 0.23	< 0.23
Chloroethane	3000	< 0.54	< 5	< 0.54	< 0.54
Chloroform	70	< 0.14	< 5	< 0.14	**1.5**
Chloromethane (Methyl chloride)	3	< 0.11	< 5	< 0.11	< 0.11
cis-1,2-Dichloroethene	70	< 0.19	< 5	< 0.19	< 0.19
cis-1,3-Dichloropropene	0.4	< 0.13	< 5	< 0.13	< 0.13
Cyclohexane	NS	NA	< 5	NA	NA
Dibromochloromethane	0.4	< 0.21	< 5	< 0.21	< 0.21
Dibromomethane	70*	< 0.21	NA	< 0.21	< 0.21
Dichlorodifluoromethane	1000	< 0.21	< 5	< 0.21	< 0.21
Diisopropyl ether	NS	< 0.12	NA	< 0.12	< 0.12
Ethylbenzene	600	< 0.3	< 5	< 0.3	< 0.3
Hexachloro-1,3-butadiene	NS	< 0.71	NA	< 0.71	< 0.71
Isopropyl Ether	70	NA	NA	NA	NA
Isopropylbenzene	70	NA	< 5	NA	NA
m&p-Xylene	500	< 0.66	NA	< 0.66	< 0.66
Methyl acetate	NS	NA	< 5	NA	NA
Methyl tertiary butyl ether (MTBE)	20	< 0.21	< 5	< 0.21	< 0.21
Methylcyclohexane	NS	NA	< 5	NA	NA
Methylene chloride	5	< 0.97	< 5	< 0.97	< 0.97
n-Butylbenzene	70	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA
Naphthalene	6	< 0.24	NA	< 0.24	< 0.24
o-Xylene	500	< 0.23	NA	< 0.23	< 0.23
p-Isopropyltoluene	NS	< 0.31	NA	< 0.31	< 0.31
sec-Butylbenzene	70	NA	NA	NA	NA
Styrene	70	< 0.26	< 5	< 0.26	< 0.26
tert-Butylbenzene	70	NA	NA	NA	NA
Tetrachloroethene	0.7	< 0.46	< 5	< 0.46	< 0.46
Toluene	600	< 0.26	< 5	< 0.26	< 0.26
trans-1,2-Dichloroethene	100	< 0.49	< 5	< 0.49	< 0.49
trans-1,3-Dichloropropene	0.4	< 0.26	< 5	< 0.26	< 0.26
Trichloroethene	3	< 0.47	**25**	**15.3**	**23.6**
Trichlorofluoromethane	2000	< 0.2	< 5	< 0.2	< 0.2
Vinyl acetate	88*	< 0.35	NA	< 0.35	< 0.35
Vinyl chloride	0.03	< 0.62	< 2	< 0.62	< 0.62
Xylenes (total)	500	< 0.66	< 5	< 0.66	< 0.66

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-3	MW-4	MW-4	MW-4-a
Date Collected	2L .0202	10/29/13	02/02/12	05/09/13	05/09/13
Laboratory Sample ID	Groundwater	92177599012	NB03008-007	92157594017	92157594018
Screened Interval (Feet bgs)	Standard	19.7-29.7	24.7-34.7	24.7-34.7	24.7-34.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	NA	< 5.2	NA	NA
Acenaphthylene	200	NA	< 5.2	NA	NA
Acetophenone	NS	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA
Anthracene	2000	NA	< 5.2	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	< 5.2	NA	NA
Benzo(a)pyrene	0.005	NA	< 5.2	NA	NA
Benzo(b)fluoranthene	0.05	NA	< 5.2	NA	NA
Benzo(g,h,i)perylene	200	NA	< 5.2	NA	NA
Benzo(k)fluoranthene	0.5	NA	< 5.2	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Chrysene	5	NA	< 5.2	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	< 5.2	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-3	MW-4	MW-4	MW-4-a
Date Collected	2L .0202	10/29/13	02/02/12	05/09/13	05/09/13
Laboratory Sample ID	Groundwater	92177599012	NB03008-007	92157594017	92157594018
Screened Interval (Feet bgs)	Standard	19.7-29.7	24.7-34.7	24.7-34.7	24.7-34.7
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	NA	< 5.2	NA	NA
Fluorene	300	NA	< 5.2	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	< 5.2	NA	NA
Isophorone	40	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA
Naphthalene	6	NA	< 5.2	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA
Phenanthrene	200	NA	< 5.2	NA	NA
Phenol	30	NA	NA	NA	NA
Pyrene	200	NA	< 5.2	NA	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	**0.144**	**0.16 BJ/B/VK**	NA	NA
Antimony	NS	< 0.0026	< 0.01	NA	NA
Arsenic	0.01	**0.0031 J//**	**0.0054 J/B/V**	< 0.01	NA
Barium	0.7	**0.0418**	**0.073**	NA	NA
Beryllium	NS	**0.00088 J//**	< 0.004	NA	NA
Cadmium	0.002	< 0.0005	< 0.002	NA	NA
Calcium	NS	**3.8**	**16**	NA	NA
Chromium	0.01	< 0.002	< 0.005	< 0.005	NA
Cobalt	NS	**0.0323**	< 0.025	NA	NA
Copper	1	**0.0062**	< 0.005	NA	NA
Iron	0.3	**21.1**	< 0.1	NA	NA
Lead	0.015	< 0.004	**0.0031 J/B/V**	NA	NA
Magnesium	NS	**3.9**	**1.6 J//**	NA	NA
Manganese	0.05	**0.0909**	**0.34**	NA	NA
Nickel	0.1	**0.0043 J//**	< 0.04	NA	NA
Potassium	NS	**6.06**	**3.7 J//**	NA	NA
Selenium	0.02	< 0.005	< 0.01	NA	NA
Silver	0.02	< 0.0025	< 0.005	NA	NA
Sodium	NS	**3.2 J//**	**5.6**	NA	NA
Thallium	NS	**0.0072 J//**	**0.0049 J/B/V**	NA	NA
Vanadium	NS	< 0.0025	< 0.05	NA	NA
Zinc	1	**0.0209**	**0.0081 J//**	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	< 0.00001	NA	NA	NA
Mercury by Method 7470A (mg/L)					
Mercury	0.001	**0.00012 J/B/K**	< 0.0001	NA	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	**0.16 BJ/B/K**	NA	NA
Dissolved Antimony	NS	NA	< 0.01	NA	NA
Dissolved Arsenic	0.01	NA	**0.007 J//**	NA	NA
Dissolved Barium	0.7	NA	**0.074**	NA	NA
Dissolved Beryllium	NS	NA	< 0.004	NA	NA
Dissolved Cadmium	0.002	NA	< 0.002	NA	NA
Dissolved Calcium	NS	NA	**16**	NA	NA
Dissolved Chromium	0.01	NA	< 0.005	NA	NA
Dissolved Cobalt	NS	NA	< 0.025	NA	NA
Dissolved Copper	1	NA	< 0.005	NA	NA
Dissolved Iron	0.3	NA	< 0.1	NA	NA
Dissolved Lead	0.015	NA	< 0.01	NA	NA
Dissolved Magnesium	NS	NA	**1.8 J//**	NA	NA
Dissolved Manganese	0.05	NA	**0.35**	NA	NA
Dissolved Nickel	0.1	NA	< 0.04	NA	NA
Dissolved Potassium	NS	NA	**3.8 J//**	NA	NA
Dissolved Selenium	0.02	NA	< 0.01	NA	NA
Dissolved Silver	0.02	NA	< 0.005	NA	NA
Dissolved Sodium	NS	NA	**5.8**	NA	NA
Dissolved Thallium	NS	NA	**0.0047 J//**	NA	NA
Dissolved Vanadium	NS	NA	< 0.05	NA	NA
Dissolved Zinc	1	NA	**0.0085 J//**	NA	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	< 0.0001	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-4	MW-4D	MW-5	MW-5
Date Collected	2L .0202	10/29/13	10/29/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	92177599005	92177599006	NB03008-005	92157594013
Screened Interval (Feet bgs)	Standard	24.7-34.7	50.1 - 69.6	24.7-34.7	24.7-34.7
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	< 0.33	< 0.33	NA	< 0.33
1,1,1-Trichloroethane	200	< 0.48	< 0.48	< 5	< 0.48
1,1,2,2-Tetrachloroethane	0.2	< 0.4	< 0.4	< 5	< 0.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	NA	< 5	NA
1,1,2-Trichloroethane	NS	< 0.29	< 0.29	< 5	< 0.29
1,1-Dichloroethane	6	< 0.32	< 0.32	< 5	< 0.32
1,1-Dichloroethene	7**	**20.3**	< 0.56	< 5	< 0.56
1,1-Dichloropropene	NS	< 0.49	< 0.49	NA	< 0.49
1,2,3-Trichlorobenzene	NS	< 0.33	< 0.33	NA	< 0.33
1,2,3-Trichloropropane	0.005	< 0.41	< 0.41	NA	< 0.41
1,2,4-Trichlorobenzene	70	< 0.35	< 0.35	< 5	< 0.35
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2.5	< 2.5	< 5	< 2.5
1,2-Dibromoethane (EDB)	0.02	< 0.27	< 0.27	< 5	< 0.27
1,2-Dichlorobenzene	20	< 0.3	< 0.3	< 5	< 0.3
1,2-Dichloroethane	0.4	< 0.12	< 0.12	< 5	< 0.12
1,2-Dichloropropane	0.6	< 0.27	< 0.27	< 5	< 0.27
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.24	< 0.24	< 5	< 0.24
1,3-Dichloropropane	NS	< 0.28	< 0.28	NA	< 0.28
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 5	< 0.33
1,4-Dioxane	3	< 78.4	< 78.4	< 250	NA
2,2-Dichloropropane	NS	< 0.13	< 0.13	NA	< 0.13
2-Butanone (MEK)	4000	< 0.96	< 0.96	< 10	< 0.96
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA
2-Chlorotoluene	100	< 0.35	< 0.35	NA	< 0.35
2-Hexanone	NS	< 0.46	< 0.46	< 10	< 0.46
4-Chlorotoluene	24*	< 0.31	< 0.31	NA	< 0.31
4-Methyl-2-pentanone (MIBK)	NS	< 0.33	< 0.33	< 10	< 0.33
Acetone	6000	< 10	< 10	< 20	< 10
Acrolein	NS	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA
Benzene	1	< 0.25	< 0.25	< 5	< 0.25
Bromobenzene	NS	< 0.3	< 0.3	NA	< 0.3
Bromochloromethane	NS	< 0.17	< 0.17	NA	< 0.17
Bromodichloromethane	0.6	< 0.18	< 0.18	< 5	< 0.18
Bromoform	4	< 0.26	< 0.26	< 5	< 0.26
Bromomethane (Methyl bromide)	NS	< 0.29	< 0.29	< 5	< 0.29
Carbon disulfide	700	NA	NA	< 5	NA
Carbon tetrachloride	0.3	< 0.25	< 0.25	< 5	< 0.25
Chlorobenzene	50	< 0.23	< 0.23	< 5	< 0.23
Chloroethane	3000	< 0.54	< 0.54	< 5	< 0.54
Chloroform	70	< 0.14	**8.5**	< 5	< 0.14
Chloromethane (Methyl chloride)	3	< 0.11	< 0.11	< 5	< 0.11
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 5	< 0.19
cis-1,3-Dichloropropene	0.4	< 0.13	< 0.13	< 5	< 0.13
Cyclohexane	NS	NA	NA	< 5	NA
Dibromochloromethane	0.4	< 0.21	< 0.21	< 5	< 0.21
Dibromomethane	70*	< 0.21	< 0.21	NA	< 0.21
Dichlorodifluoromethane	1000	< 0.21	< 0.21	< 5	< 0.21
Diisopropyl ether	NS	< 0.12	< 0.12	NA	< 0.12
Ethylbenzene	600	< 0.3	**0.62** J//	< 5	< 0.3
Hexachloro-1,3-butadiene	NS	< 0.71	< 0.71	NA	< 0.71
Isopropyl Ether	70	NA	NA	NA	NA
Isopropylbenzene	70	NA	NA	< 5	NA
m&p-Xylene	500	< 0.66	**2.2**	NA	< 0.66
Methyl acetate	NS	NA	NA	< 5	NA
Methyl tertiary butyl ether (MTBE)	20	< 0.21	**1.5**	< 5	< 0.21
Methylcyclohexane	NS	NA	NA	< 5	NA
Methylene chloride	5	< 0.97	< 0.97	< 5	< 0.97
n-Butylbenzene	70	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA
Naphthalene	6	< 0.24	< 0.24	NA	< 0.24
o-Xylene	500	< 0.23	**1**	NA	< 0.23
p-Isopropyltoluene	NS	< 0.31	< 0.31	NA	< 0.31
sec-Butylbenzene	70	NA	NA	NA	NA
Styrene	70	< 0.26	< 0.26	< 5	< 0.26
tert-Butylbenzene	70	NA	NA	NA	NA
Tetrachloroethene	0.7	< 0.46	< 0.46	**7.2**	**3.7**
Toluene	600	< 0.26	**3.5**	< 5	< 0.26
trans-1,2-Dichloroethene	100	< 0.49	< 0.49	< 5	< 0.49
trans-1,3-Dichloropropene	0.4	< 0.26	< 0.26	< 5	< 0.26
Trichloroethene	3	**1.3**	< 0.47	< 5	< 0.47
Trichlorofluoromethane	2000	< 0.2	< 0.2	< 5	< 0.2
Vinyl acetate	88*	< 0.35	< 0.35	NA	< 0.35
Vinyl chloride	0.03	< 0.62	< 0.62	< 2	< 0.62
Xylenes (total)	500	< 0.66	**3.2**	< 5	< 0.66

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-4	MW-4D	MW-5	MW-5
Date Collected	2L .0202	10/29/13	10/29/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	92177599005	92177599006	NB03008-005	92157594013
Screened Interval (Feet bgs)	Standard	24.7-34.7	50.1 - 69.6	24.7-34.7	24.7-34.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	NA
Acenaphthylene	200	NA	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA
Benzo(a)pyrene	0.005	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-4	MW-4D	MW-5	MW-5
Date Collected	2L .0202	10/29/13	10/29/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	92177599005	92177599006	NB03008-005	92157594013
Screened Interval (Feet bgs)	Standard	24.7-34.7	50.1 - 69.6	24.7-34.7	24.7-34.7
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	NA
Isophorone	40	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	NA
Phenol	30	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	< 0.05	NA	NA	NA
Antimony	NS	< 0.0026	NA	NA	NA
Arsenic	0.01	**0.0028 J//**	NA	NA	< 0.01
Barium	0.7	**0.0806**	NA	NA	NA
Beryllium	NS	< 0.0005	NA	NA	NA
Cadmium	0.002	< 0.0005	NA	NA	NA
Calcium	NS	**0.189**	NA	NA	NA
Chromium	0.01	< 0.002	NA	NA	< 0.005
Cobalt	NS	< 0.002	NA	NA	NA
Copper	1	< 0.002	NA	NA	NA
Iron	0.3	< 0.025	NA	NA	NA
Lead	0.015	< 0.004	NA	NA	NA
Magnesium	NS	**0.564**	NA	NA	NA
Manganese	0.05	**0.0625**	NA	NA	NA
Nickel	0.1	< 0.0025	NA	NA	NA
Potassium	NS	< 2.5	NA	NA	NA
Selenium	0.02	< 0.005	NA	NA	NA
Silver	0.02	< 0.0025	NA	NA	NA
Sodium	NS	**5.68**	NA	NA	NA
Thallium	NS	< 0.005	NA	NA	NA
Vanadium	NS	< 0.0025	NA	NA	NA
Zinc	1	**0.0068 J//**	NA	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	NA	NA	NA	NA
Mercury by Method 7470A (mg/L)					
Mercury	0.001	**0.00014 J/B/K**	NA	NA	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-6	MW-6	MW-7	MW-7
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	NB03008-001	92157594012	NB03008-004	92157594015
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	NA	< 0.33	NA	< 0.33
1,1,1-Trichloroethane	200	< 5	< 0.48	< 5	< 0.48
1,1,2,2-Tetrachloroethane	0.2	< 5	< 0.4	< 5	< 0.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	< 5	NA	< 5	NA
1,1,2-Trichloroethane	NS	< 5	< 0.29	< 5	< 0.29
1,1-Dichloroethane	6	< 5	< 0.32	< 5	< 0.32
1,1-Dichloroethene	7**	< 5	< 0.56	< 5	< 0.56
1,1-Dichloropropene	NS	NA	< 0.49	NA	< 0.49
1,2,3-Trichlorobenzene	NS	NA	< 0.33	NA	< 0.33
1,2,3-Trichloropropane	0.005	NA	< 0.41	NA	< 0.41
1,2,4-Trichlorobenzene	70	< 5	< 0.35	< 5	< 0.35
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 5	< 2.5	< 5	< 2.5
1,2-Dibromoethane (EDB)	0.02	< 5	< 0.27	< 5	< 0.27
1,2-Dichlorobenzene	20	< 5	< 0.3	< 5	< 0.3
1,2-Dichloroethane	0.4	< 5	< 0.12	< 5	< 0.12
1,2-Dichloropropane	0.6	< 5	< 0.27	< 5	< 0.27
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 5	< 0.24	< 5	< 0.24
1,3-Dichloropropane	NS	NA	< 0.28	NA	< 0.28
1,4-Dichlorobenzene	6	< 5	< 0.33	< 5	< 0.33
1,4-Dioxane	3	< 250	NA	< 250	NA
2,2-Dichloropropane	NS	NA	< 0.13	NA	< 0.13
2-Butanone (MEK)	4000	< 10	< 0.96	< 10	< 0.96
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA
2-Chlorotoluene	100	NA	< 0.35	NA	< 0.35
2-Hexanone	NS	< 10	< 0.46	< 10	< 0.46
4-Chlorotoluene	24*	NA	< 0.31	NA	< 0.31
4-Methyl-2-pentanone (MIBK)	NS	< 10	< 0.33	< 10	< 0.33
Acetone	6000	< 20	< 10	< 20	< 10
Acrolein	NS	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA
Benzene	1	< 5	< 0.25	< 5	< 0.25
Bromobenzene	NS	NA	< 0.3	NA	< 0.3
Bromochloromethane	NS	NA	< 0.17	NA	< 0.17
Bromodichloromethane	0.6	< 5	< 0.18	< 5	< 0.18
Bromoform	4	< 5	< 0.26	< 5	< 0.26
Bromomethane (Methyl bromide)	NS	< 5	< 0.29	< 5	< 0.29
Carbon disulfide	700	< 5	NA	< 5	NA
Carbon tetrachloride	0.3	< 5	< 0.25	< 5	< 0.25
Chlorobenzene	50	< 5	< 0.23	< 5	< 0.23
Chloroethane	3000	< 5	< 0.54	< 5	< 0.54
Chloroform	70	< 5	< 0.14	< 5	< 0.14
Chloromethane (Methyl chloride)	3	< 5	< 0.11	< 5	< 0.11
cis-1,2-Dichloroethene	70	< 5	< 0.19	< 5	< 0.19
cis-1,3-Dichloropropene	0.4	< 5	< 0.13	< 5	< 0.13
Cyclohexane	NS	< 5	NA	< 5	NA
Dibromochloromethane	0.4	< 5	< 0.21	< 5	< 0.21
Dibromomethane	70*	NA	< 0.21	NA	< 0.21
Dichlorodifluoromethane	1000	< 5	< 0.21	< 5	< 0.21
Diisopropyl ether	NS	NA	< 0.12	NA	< 0.12
Ethylbenzene	600	< 5	< 0.3	< 5	< 0.3
Hexachloro-1,3-butadiene	NS	NA	< 0.71	NA	< 0.71
Isopropyl Ether	70	NA	NA	NA	NA
Isopropylbenzene	70	< 5	NA	< 5	NA
m&p-Xylene	500	NA	< 0.66	NA	< 0.66
Methyl acetate	NS	< 5	NA	< 5	NA
Methyl tertiary butyl ether (MTBE)	20	< 5	< 0.21	< 5	< 0.21
Methylcyclohexane	NS	< 5	NA	< 5	NA
Methylene chloride	5	< 5	< 0.97	< 5	< 0.97
n-Butylbenzene	70	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA
Naphthalene	6	NA	< 0.24	NA	< 0.24
o-Xylene	500	NA	< 0.23	NA	< 0.23
p-Isopropyltoluene	NS	NA	< 0.31	NA	< 0.31
sec-Butylbenzene	70	NA	NA	NA	NA
Styrene	70	< 5	< 0.26	< 5	< 0.26
tert-Butylbenzene	70	NA	NA	NA	NA
Tetrachloroethene	0.7	< 5	< 0.46	**12**	**5.2**
Toluene	600	< 5	< 0.26	< 5	< 0.26
trans-1,2-Dichloroethene	100	< 5	< 0.49	< 5	< 0.49
trans-1,3-Dichloropropene	0.4	< 5	< 0.26	< 5	< 0.26
Trichloroethene	3	< 5	< 0.47	< 5	< 0.47
Trichlorofluoromethane	2000	< 5	< 0.2	< 5	< 0.2
Vinyl acetate	88*	NA	< 0.35	NA	< 0.35
Vinyl chloride	0.03	< 2	< 0.62	< 2	< 0.62
Xylenes (total)	500	< 5	< 0.66	< 5	< 0.66

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-6	MW-6	MW-7	MW-7
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	NB03008-001	92157594012	NB03008-004	92157594015
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	< 5.2	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	< 5.2	NA
2,4,6-Trichlorophenol	NS	NA	NA	< 5.2	NA
2,4-Dichlorophenol	NS	NA	NA	< 5.2	NA
2,4-Dimethylphenol	100	NA	NA	< 5.2	NA
2,4-Dinitrophenol	NS	NA	NA	< 26	NA
2,4-Dinitrotoluene	NS	NA	NA	< 10	NA
2,6-Dinitrotoluene	NS	NA	NA	< 10	NA
2-Chloronaphthalene	NS	NA	NA	< 5.2	NA
2-Chlorophenol	0.4	NA	NA	< 5.2	NA
2-Methylnaphthalene	30	NA	NA	< 5.2	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	< 5.2	NA
2-Nitroaniline	NS	NA	NA	< 10	NA
2-Nitrophenol	NS	NA	NA	< 10	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	< 10	NA
3,3'-Dichlorobenzidine	NS	NA	NA	< 26	NA
3-Nitroaniline	NS	NA	NA	< 10	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	< 26	NA
4-Bromophenyl phenyl ether	NS	NA	NA	< 5.2	NA
4-Chloro-3-methyl phenol	NS	NA	NA	< 5.2	NA
4-Chloroaniline	NS	NA	NA	< 5.2 /R/c	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	< 5.2	NA
4-Nitroaniline	NS	NA	NA	< 10	NA
4-Nitrophenol	NS	NA	NA	< 26	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	NA	NA	< 5.2	NA
Acenaphthylene	200	NA	NA	< 5.2	NA
Acetophenone	NS	NA	NA	< 5.2	NA
Aniline	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	< 5.2	NA
Atrazine	3	NA	NA	< 5.2	NA
Benzaldehyde	NS	NA	NA	< 26	NA
Benzo(a)anthracene	0.05	NA	NA	< 5.2	NA
Benzo(a)pyrene	0.005	NA	NA	< 5.2	NA
Benzo(b)fluoranthene	0.05	NA	NA	< 5.2	NA
Benzo(g,h,i)perylene	200	NA	NA	< 5.2	NA
Benzo(k)fluoranthene	0.5	NA	NA	< 5.2	NA
Benzoic Acid	30000	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	< 5.2	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	< 5.2	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	< 5.2	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	< 5.2	NA
Butyl benzyl phthalate	1000	NA	NA	< 10	NA
Caprolactam	4000	NA	NA	< 26	NA
Carbazole	NS	NA	NA	< 5.2	NA
Chrysene	5	NA	NA	< 5.2	NA
Di-n-butyl phthalate	700	NA	NA	< 5.2	NA
Di-n-octylphthalate	100	NA	NA	< 5.2	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	< 5.2	NA
Dibenzofuran	NS	NA	NA	< 5.2	NA
Diethylphthalate	600	NA	NA	< 5.2	NA
Dimethyl phthalate	NS	NA	NA	< 5.2	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-6	MW-6	MW-7	MW-7
Date Collected	2L .0202	02/02/12	05/09/13	02/02/12	05/09/13
Laboratory Sample ID	Groundwater	NB03008-001	92157594012	NB03008-004	92157594015
Screened Interval (Feet bgs)	Standard	24.7-34.7	24.7-34.7	24.7-34.7	24.7-34.7
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	NA	NA	< 5.2	NA
Fluorene	300	NA	NA	< 5.2	NA
Hexachlorobenzene	0.02	NA	NA	< 5.2	NA
Hexachlorobutadiene	0.4	NA	NA	< 5.2	NA
Hexachlorocyclopentadiene	NS	NA	NA	< 26	NA
Hexachloroethane	NS	NA	NA	< 5.2	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	< 5.2	NA
Isophorone	40	NA	NA	< 5.2	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	< 5.2	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	< 5.2	NA
Naphthalene	6	NA	NA	< 5.2	NA
Nitrobenzene	NS	NA	NA	< 5.2	NA
Pentachlorophenol	0.3	NA	NA	< 26	NA
Phenanthrene	200	NA	NA	< 5.2	NA
Phenol	30	NA	NA	< 5.2	NA
Pyrene	200	NA	NA	< 5.2	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	NA	NA	**0.22 B/B/VK**	NA
Antimony	NS	NA	NA	< 0.01	NA
Arsenic	0.01	NA	< 0.01	**0.0075 J/B/V**	< 0.01
Barium	0.7	NA	NA	**0.14**	NA
Beryllium	NS	NA	NA	< 0.004	NA
Cadmium	0.002	NA	NA	< 0.002	NA
Calcium	NS	NA	NA	**1.2 J//**	NA
Chromium	0.01	NA	< 0.005	**0.0073**	< 0.005
Cobalt	NS	NA	NA	**0.0072 J//**	NA
Copper	1	NA	NA	< 0.005	NA
Iron	0.3	NA	NA	**0.083 J//**	NA
Lead	0.015	NA	NA	**0.0019 J/B/V**	NA
Magnesium	NS	NA	NA	**1.5 J//**	NA
Manganese	0.05	NA	NA	**0.6**	NA
Nickel	0.1	NA	NA	< 0.04	NA
Potassium	NS	NA	NA	**4.7 J//**	NA
Selenium	0.02	NA	NA	< 0.01	NA
Silver	0.02	NA	NA	< 0.005	NA
Sodium	NS	NA	NA	**6.7**	NA
Thallium	NS	NA	NA	< 0.05	NA
Vanadium	NS	NA	NA	< 0.05	NA
Zinc	1	NA	NA	**0.014 J//**	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	NA	NA	NA	< 0.01
Mercury by Method 7470A (mg/L)					
Mercury	0.001	NA	NA	< 0.0001	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	NA	**0.15 BJ/B/K**	NA
Dissolved Antimony	NS	NA	NA	< 0.01	NA
Dissolved Arsenic	0.01	NA	NA	**0.0065 J//**	NA
Dissolved Barium	0.7	NA	NA	**0.13**	NA
Dissolved Beryllium	NS	NA	NA	< 0.004	NA
Dissolved Cadmium	0.002	NA	NA	< 0.002	NA
Dissolved Calcium	NS	NA	NA	**1.1 J//**	NA
Dissolved Chromium	0.01	NA	NA	**0.0055**	NA
Dissolved Cobalt	NS	NA	NA	**0.0065 J//**	NA
Dissolved Copper	1	NA	NA	< 0.005	NA
Dissolved Iron	0.3	NA	NA	< 0.1	NA
Dissolved Lead	0.015	NA	NA	**0.0033 J//**	NA
Dissolved Magnesium	NS	NA	NA	**1.4 J//**	NA
Dissolved Manganese	0.05	NA	NA	**0.56**	NA
Dissolved Nickel	0.1	NA	NA	< 0.04	NA
Dissolved Potassium	NS	NA	NA	**4.7 J//**	NA
Dissolved Selenium	0.02	NA	NA	< 0.01	NA
Dissolved Silver	0.02	NA	NA	< 0.005	NA
Dissolved Sodium	NS	NA	NA	**6.7**	NA
Dissolved Thallium	NS	NA	NA	**0.005 J//**	NA
Dissolved Vanadium	NS	NA	NA	< 0.05	NA
Dissolved Zinc	1	NA	NA	**0.012 J//**	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	NA	< 0.0001	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-7D	MW-7D	MW-7D	MW-7D-BR	MW-7D-C (Trip Blank)
Date Collected	2L .0202	02/02/12	05/09/13	10/29/13	10/29/13	10/29/13
Laboratory Sample ID	Groundwater	NB03008-003	92157594014	92177599002	92177599003	92177599001
Screened Interval (Feet bgs)	Standard	44.7-54.7	44.7-54.7	44.7-54.7	65.1-74.6	-
VOCs by Method 8260B (ug/L)						
1,1,1,2-Tetrachloroethane	1*	NA	< 0.33	< 0.33	< 0.33	< 0.33
1,1,1-Trichloroethane	200	< 5	< 0.48	< 0.48	< 0.48	< 0.48
1,1,2,2-Tetrachloroethane	0.2	< 5	< 0.4	< 0.4	< 0.4	< 0.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	< 5	NA	NA	NA	NA
1,1,2-Trichloroethane	NS	< 5	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethane	6	< 5	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethene	7**	< 5	< 0.56	< 0.56	< 0.56	< 0.56
1,1-Dichloropropene	NS	NA	< 0.49	< 0.49	< 0.49	< 0.49
1,2,3-Trichlorobenzene	NS	NA	< 0.33	< 0.33	< 0.33	< 0.33
1,2,3-Trichloropropane	0.005	NA	< 0.41	< 0.41	< 0.41	< 0.41
1,2,4-Trichlorobenzene	70	< 5	< 0.35	< 0.35	< 0.35	< 0.35
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 5	< 2.5	< 2.5	< 2.5	< 2.5
1,2-Dibromoethane (EDB)	0.02	< 5	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichlorobenzene	20	< 5	< 0.3	< 0.3	< 0.3	< 0.3
1,2-Dichloroethane	0.4	< 5	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloropropane	0.6	< 5	< 0.27	< 0.27	< 0.27	< 0.27
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 5	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichloropropane	NS	NA	< 0.28	< 0.28	< 0.28	< 0.28
1,4-Dichlorobenzene	6	< 5	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dioxane	3	< 250	NA	< 78.4	< 78.4	< 78.4
2,2-Dichloropropane	NS	NA	< 0.13	< 0.13	< 0.13	< 0.13
2-Butanone (MEK)	4000	< 10	< 0.96	< 0.96	< 0.96	< 0.96
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA	NA
2-Chlorotoluene	100	NA	< 0.35	< 0.35	< 0.35	< 0.35
2-Hexanone	NS	< 10	< 0.46	< 0.46	< 0.46	< 0.46
4-Chlorotoluene	24*	NA	< 0.31	< 0.31	< 0.31	< 0.31
4-Methyl-2-pentanone (MIBK)	NS	< 10	< 0.33	< 0.33	< 0.33	< 0.33
Acetone	6000	< 20	< 10	< 10	< 10	< 10
Acrolein	NS	NA	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA	NA
Benzene	1	< 5	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	NS	NA	< 0.3	< 0.3	< 0.3	< 0.3
Bromochloromethane	NS	NA	< 0.17	< 0.17	< 0.17	< 0.17
Bromodichloromethane	0.6	< 5	< 0.18	< 0.18	< 0.18	< 0.18
Bromoform	4	< 5	< 0.26	< 0.26	< 0.26	< 0.26
Bromomethane (Methyl bromide)	NS	< 5	< 0.29	< 0.29	< 0.29	< 0.29
Carbon disulfide	700	< 5	NA	NA	NA	NA
Carbon tetrachloride	0.3	< 5	< 0.25	< 0.25	< 0.25	< 0.25
Chlorobenzene	50	< 5	< 0.23	< 0.23	< 0.23	< 0.23
Chloroethane	3000	< 5	< 0.54	< 0.54	< 0.54	< 0.54
Chloroform	70	< 5	< 0.14	< 0.14	< 0.14	< 0.14
Chloromethane (Methyl chloride)	3	< 5	< 0.11	< 0.11	< 0.11	< 0.11
cis-1,2-Dichloroethene	70	< 5	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	0.4	< 5	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 5	NA	NA	NA	NA
Dibromochloromethane	0.4	< 5	< 0.21	< 0.21	< 0.21	< 0.21
Dibromomethane	70*	NA	< 0.21	< 0.21	< 0.21	< 0.21
Dichlorodifluoromethane	1000	< 5	< 0.21	< 0.21	< 0.21	< 0.21
Diisopropyl ether	NS	NA	< 0.12	< 0.12	< 0.12	< 0.12
Ethylbenzene	600	< 5	< 0.3	< 0.3	**0.48 J//**	< 0.3
Hexachloro-1,3-butadiene	NS	NA	< 0.71	< 0.71	< 0.71	< 0.71
Isopropyl Ether	70	NA	NA	NA	NA	NA
Isopropylbenzene	70	< 5	NA	NA	NA	NA
m&p-Xylene	500	NA	< 0.66	< 0.66	**1.5 J//**	< 0.66
Methyl acetate	NS	< 5	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	20	< 5	< 0.21	< 0.21	< 0.21	< 0.21
Methylcyclohexane	NS	< 5	NA	NA	NA	NA
Methylene chloride	5	< 5	< 0.97	< 0.97	< 0.97	< 0.97
n-Butylbenzene	70	NA	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA	NA
Naphthalene	6	NA	< 0.24	< 0.24	< 0.24	< 0.24
o-Xylene	500	NA	< 0.23	< 0.23	**0.44 J//**	< 0.23
p-Isopropyltoluene	NS	NA	< 0.31	< 0.31	< 0.31	< 0.31
sec-Butylbenzene	70	NA	NA	NA	NA	NA
Styrene	70	< 5	< 0.26	< 0.26	< 0.26	< 0.26
tert-Butylbenzene	70	NA	NA	NA	NA	NA
Tetrachloroethene	0.7	**0.7 J//**	**3.2**	**3.9**	**0.56 J//**	< 0.46
Toluene	600	< 5	< 0.26	< 0.26	**2.4**	< 0.26
trans-1,2-Dichloroethene	100	< 5	< 0.49	< 0.49	< 0.49	< 0.49
trans-1,3-Dichloropropene	0.4	< 5	< 0.26	< 0.26	< 0.26	< 0.26
Trichloroethene	3	< 5	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane	2000	< 5	< 0.2	< 0.2	< 0.2	< 0.2
Vinyl acetate	88*	NA	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl chloride	0.03	< 2	< 0.62	< 0.62	< 0.62	< 0.62
Xylenes (total)	500	< 5	< 0.66	< 0.66	< 0.66	< 0.66

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-7D	MW-7D	MW-7D	MW-7D-BR	MW-7D-C (Trip Blank)
Date Collected	2L .0202	02/02/12	05/09/13	10/29/13	10/29/13	10/29/13
Laboratory Sample ID	Groundwater	NB03008-003	92157594014	92177599002	92177599003	92177599001
Screened Interval (Feet bgs)	Standard	44.7-54.7	44.7-54.7	44.7-54.7	65.1-74.6	-
1,4-Dioxane by Method 8260 (SIM) (ug/L)						
1,4-Dioxane	3	NA	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)						
1,1'-Biphenyl	400	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	NA	NA
Acenaphthylene	200	NA	NA	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.005	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-7D	MW-7D	MW-7D	MW-7D-BR	MW-7D-C (Trip Blank)
Date Collected	2L .0202	02/02/12	05/09/13	10/29/13	10/29/13	10/29/13
Laboratory Sample ID	Groundwater	NB03008-003	92157594014	92177599002	92177599003	92177599001
Screened Interval (Feet bgs)	Standard	44.7-54.7	44.7-54.7	44.7-54.7	65.1-74.6	-
SVOCs by Method 8270D (ug/L)						
Fluoranthene	300	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	NA	NA
Isophorone	40	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	NA	NA
Phenol	30	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA
Unknown	NS	NA	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/L)						
Aluminum	NS	NA	NA	NA	**0.125**	NA
Antimony	NS	NA	NA	NA	< 0.0026	NA
Arsenic	0.01	NA	NA	NA	**0.0056 J//**	NA
Barium	0.7	NA	NA	NA	**0.0067**	NA
Beryllium	NS	NA	NA	NA	< 0.0005	NA
Cadmium	0.002	NA	NA	NA	< 0.0005	NA
Calcium	NS	NA	NA	NA	**16.3**	NA
Chromium	0.01	NA	NA	NA	< 0.002	NA
Cobalt	NS	NA	NA	NA	**0.002 J//**	NA
Copper	1	NA	NA	NA	< 0.002	NA
Iron	0.3	NA	NA	NA	**0.874**	NA
Lead	0.015	NA	NA	NA	< 0.004	NA
Magnesium	NS	NA	NA	NA	**4.9**	NA
Manganese	0.05	NA	NA	NA	**0.0255**	NA
Nickel	0.1	NA	NA	NA	**0.0028 J//**	NA
Potassium	NS	NA	NA	NA	**3.74 J//**	NA
Selenium	0.02	NA	NA	NA	< 0.005	NA
Silver	0.02	NA	NA	NA	< 0.0025	NA
Sodium	NS	NA	NA	NA	**8.98**	NA
Thallium	NS	NA	NA	NA	< 0.005	NA
Vanadium	NS	NA	NA	NA	< 0.0025	NA
Zinc	1	NA	NA	NA	**0.0057 J//**	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)						
Hexavalent Chromium	0.01	NA	NA	NA	NA	NA
Mercury by Method 7470A (mg/L)						
Mercury	0.001	NA	NA	NA	**0.00014 J/B/K**	NA
Dissolved Metals by Method 6010C (mg/L)						
Dissolved Aluminum	NS	NA	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)						
Dissolved Mercury	0.001	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-8	MW-9	MW-9	MW-9-b	MW-9-C (Trip Blank)
Date Collected	2L .0202	10/29/13	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599008	92177599004	OL19001-003	3120327-02	3120327-05
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6	-
VOCs by Method 8260B (ug/L)						
1,1,1,2-Tetrachloroethane	1*	< 0.33	< 0.33	NA	< 0.5	< 0.5
1,1,1-Trichloroethane	200	< 0.48	< 0.48	**0.15 J//**	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	0.2	< 0.4	< 0.4	< 1	< 0.5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	NA	< 1	NA	NA
1,1,2-Trichloroethane	NS	< 0.29	< 0.29	< 1	< 0.5	< 0.5
1,1-Dichloroethane	6	< 0.32	**15.3**	**14**	**17**	< 0.5
1,1-Dichloroethene	7**	< 0.56	**0.6 J//**	**0.67 J//**	< 0.5	< 0.5
1,1-Dichloropropene	NS	< 0.49	< 0.49	NA	< 0.5	< 0.5
1,2,3-Trichlorobenzene	NS	< 0.33	< 0.33	NA	< 2	< 2
1,2,3-Trichloropropane	0.005	< 0.41	< 0.41	NA	< 1	< 1
1,2,4-Trichlorobenzene	70	< 0.35	< 0.35	< 1	< 1	< 1
1,2,4-Trimethylbenzene	400	NA	NA	NA	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2.5	< 2.5	< 1	< 2	< 2
1,2-Dibromoethane (EDB)	0.02	< 0.27	< 0.27	< 1	< 0.5	< 0.5
1,2-Dichlorobenzene	20	< 0.3	< 0.3	< 1	< 0.5	< 0.5
1,2-Dichloroethane	0.4	< 0.12	< 0.12	< 1	< 0.5	< 0.5
1,2-Dichloropropane	0.6	< 0.27	< 0.27	< 1	< 0.5	< 0.5
1,3,5-Trimethylbenzene	400	NA	NA	NA	< 0.5	< 0.5
1,3-Dichlorobenzene	200	< 0.24	< 0.24	< 1	< 0.5	< 0.5
1,3-Dichloropropane	NS	< 0.28	< 0.28	NA	< 0.5	< 0.5
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 1	< 0.5	< 0.5
1,4-Dioxane	3	< 78.4	< 78.4	**45**	**40 J//**	< 150
2,2-Dichloropropane	NS	< 0.13	< 0.13	NA	< 2	< 2
2-Butanone (MEK)	4000	< 0.96	< 0.96	< 10	< 5	< 5
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	< 2	< 2
2-Chlorotoluene	100	< 0.35	< 0.35	NA	< 0.5	< 0.5
2-Hexanone	NS	< 0.46	< 0.46	< 10	< 5	< 5
4-Chlorotoluene	24*	< 0.31	< 0.31	NA	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	NS	< 0.33	< 0.33	< 10	< 5	< 5
Acetone	6000	< 10	< 10	< 20	< 5	< 5
Acrolein	NS	NA	NA	NA	< 20	< 20
Acrylonitrile	NS	NA	NA	NA	< 20	< 20
Benzene	1	< 0.25	< 0.25	< 1	< 0.5	< 0.5
Bromobenzene	NS	< 0.3	< 0.3	NA	< 0.5	< 0.5
Bromochloromethane	NS	< 0.17	< 0.17	NA	< 0.5	< 0.5
Bromodichloromethane	0.6	< 0.18	< 0.18	< 1	< 0.5	< 0.5
Bromoform	4	< 0.26	< 0.26	< 1	< 1	< 1
Bromomethane (Methyl bromide)	NS	< 0.29	< 0.29	< 2	< 1	< 1
Carbon disulfide	700	NA	NA	< 1	< 5	< 5
Carbon tetrachloride	0.3	< 0.25	< 0.25	< 1	< 0.5	< 0.5
Chlorobenzene	50	< 0.23	< 0.23	< 1	< 0.5	< 0.5
Chloroethane	3000	< 0.54	< 0.54	< 2	< 0.5	< 0.5
Chloroform	70	< 0.14	< 0.14	< 1	< 0.5	< 0.5
Chloromethane (Methyl chloride)	3	< 0.11	< 0.11	< 1	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	**0.14 J//**	< 0.5	< 0.5
cis-1,3-Dichloropropene	0.4	< 0.13	< 0.13	< 1	< 0.5	< 0.5
Cyclohexane	NS	NA	NA	< 1	NA	NA
Dibromochloromethane	0.4	< 0.21	< 0.21	< 1	< 0.5	< 0.5
Dibromomethane	70*	< 0.21	< 0.21	NA	< 0.5	< 0.5
Dichlorodifluoromethane	1000	< 0.21	< 0.21	< 2	< 1	< 1
Diisopropyl ether	NS	< 0.12	< 0.12	NA	NA	NA
Ethylbenzene	600	**0.82 J//**	< 0.3	< 1	< 0.5	< 0.5
Hexachloro-1,3-butadiene	NS	< 0.71	< 0.71	NA	< 2	< 2
Isopropyl Ether	70	NA	NA	NA	< 0.5	< 0.5
Isopropylbenzene	70	NA	NA	< 1	< 0.5	< 0.5
m&p-Xylene	500	**3**	< 0.66	NA	< 1	< 1
Methyl acetate	NS	NA	NA	< 1	NA	NA
Methyl tertiary butyl ether (MTBE)	20	< 0.21	< 0.21	< 1	< 0.5	< 0.5
Methylcyclohexane	NS	NA	NA	< 5	NA	NA
Methylene chloride	5	< 0.97	< 0.97	< 1	< 1	< 1
n-Butylbenzene	70	NA	NA	NA	< 1	< 1
n-Propylbenzene	70	NA	NA	NA	< 0.5	< 0.5
Naphthalene	6	< 0.24	< 0.24	NA	< 1	< 1
o-Xylene	500	**1.1**	< 0.23	NA	< 0.5	< 0.5
p-Isopropyltoluene	NS	< 0.31	< 0.31	NA	< 0.5	< 0.5
sec-Butylbenzene	70	NA	NA	NA	< 0.5	< 0.5
Styrene	70	< 0.26	< 0.26	< 1	< 0.5	< 0.5
tert-Butylbenzene	70	NA	NA	NA	< 0.5	< 0.5
Tetrachloroethene	0.7	< 0.46	**2**	**3.4**	**3**	< 0.5
Toluene	600	**2.5**	< 0.26	< 1	< 0.5	< 0.5
trans-1,2-Dichloroethene	100	< 0.49	< 0.49	< 1	< 0.5	< 0.5
trans-1,3-Dichloropropene	0.4	< 0.26	< 0.26	< 1	< 0.5	< 0.5
Trichloroethene	3	< 0.47	< 0.47	< 1	< 0.5	< 0.5
Trichlorofluoromethane	2000	< 0.2	< 0.2	< 1	< 0.5	< 0.5
Vinyl acetate	88*	< 0.35	< 0.35	NA	< 2	< 2
Vinyl chloride	0.03	< 0.62	< 0.62	< 1	< 0.5	< 0.5
Xylenes (total)	500	**4.1**	< 0.66	< 1	< 3	< 3

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-8	MW-9	MW-9	MW-9-b	MW-9-C (Trip Blank)
Date Collected	2L .0202	10/29/13	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599008	92177599004	OL19001-003	3120327-02	3120327-05
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6	-
1,4-Dioxane by Method 8260 (SIM) (ug/L)						
1,4-Dioxane	3	NA	NA	**40**	**28**	NA
SVOCs by Method 8270D (ug/L)						
1,1'-Biphenyl	400	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	NA	NA
Acenaphthylene	200	NA	NA	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.005	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-8	MW-9	MW-9	MW-9-b	MW-9-C (Trip Blank)
Date Collected	2L .0202	10/29/13	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599008	92177599004	OL19001-003	3120327-02	3120327-05
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6	-
SVOCs by Method 8270D (ug/L)						
Fluoranthene	300	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	NA	NA
Isophorone	40	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	NA	NA
Phenol	30	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA
Unknown	NS	NA	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA	NA
Metals by Method 6010C (mg/L)						
Aluminum	NS	< 0.05	**0.601**	NA	NA	NA
Antimony	NS	< 0.0026	< 0.0026	NA	NA	NA
Arsenic	0.01	< 0.0027	< 0.0027	NA	NA	NA
Barium	0.7	**0.0461**	**0.0996**	NA	NA	NA
Beryllium	NS	< 0.0005	< 0.0005	NA	NA	NA
Cadmium	0.002	< 0.0005	< 0.0005	NA	NA	NA
Calcium	NS	**4.16**	**1.12**	NA	NA	NA
Chromium	0.01	**0.0095**	< 0.002	NA	NA	NA
Cobalt	NS	**0.0043 J//**	**0.0036 J//**	NA	NA	NA
Copper	1	< 0.002	< 0.002	NA	NA	NA
Iron	0.3	**0.0618**	**1.69**	NA	NA	NA
Lead	0.015	< 0.004	< 0.004	NA	NA	NA
Magnesium	NS	**0.468**	**1.39**	NA	NA	NA
Manganese	0.05	**0.143**	**0.108**	NA	NA	NA
Nickel	0.1	**0.0073**	< 0.0025	NA	NA	NA
Potassium	NS	< 2.5	**3.73 J//**	NA	NA	NA
Selenium	0.02	< 0.005	< 0.005	NA	NA	NA
Silver	0.02	< 0.0025	< 0.0025	NA	NA	NA
Sodium	NS	**4.58 J//**	**5.09**	NA	NA	NA
Thallium	NS	< 0.005	< 0.005	NA	NA	NA
Vanadium	NS	< 0.0025	< 0.0025	NA	NA	NA
Zinc	1	**0.0071 J//**	**0.0155**	NA	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)						
Hexavalent Chromium	0.01	< 0.00001	NA	NA	NA	NA
Mercury by Method 7470A (mg/L)						
Mercury	0.001	**0.00014 J/B/K**	**0.00014 J/B/K**	NA	NA	NA
Dissolved Metals by Method 6010C (mg/L)						
Dissolved Aluminum	NS	NA	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)						
Dissolved Mercury	0.001	NA	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-10	MW-10	MW-10-b	MW-10-C (Trip)
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599011	OL19001-002	3120327-01	OL19001-001
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	-
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	< 0.33	NA	< 0.5	NA
1,1,1-Trichloroethane	200	< 0.48	< 1	< 0.5	< 1
1,1,2,2-Tetrachloroethane	0.2	< 0.4	< 1	< 0.5	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	< 1	NA	< 1
1,1,2-Trichloroethane	NS	< 0.29	< 1	< 0.5	< 1
1,1-Dichloroethane	6	< 0.32	< 1	< 0.5	< 1
1,1-Dichloroethene	7**	< 0.56	< 1	< 0.5	< 1
1,1-Dichloropropene	NS	< 0.49	NA	< 0.5	NA
1,2,3-Trichlorobenzene	NS	< 0.33	NA	< 2	NA
1,2,3-Trichloropropane	0.005	< 0.41	NA	< 1	NA
1,2,4-Trichlorobenzene	70	< 0.35	< 1	< 1	< 1
1,2,4-Trimethylbenzene	400	NA	NA	< 0.5	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 2.5	< 1	< 2	< 1
1,2-Dibromoethane (EDB)	0.02	< 0.27	< 1	< 0.5	< 1
1,2-Dichlorobenzene	20	< 0.3	< 1	< 0.5	< 1
1,2-Dichloroethane	0.4	< 0.12	< 1	< 0.5	< 1
1,2-Dichloropropane	0.6	< 0.27	< 1	< 0.5	< 1
1,3,5-Trimethylbenzene	400	NA	NA	< 0.5	NA
1,3-Dichlorobenzene	200	< 0.24	< 1	< 0.5	< 1
1,3-Dichloropropane	NS	< 0.28	NA	< 0.5	NA
1,4-Dichlorobenzene	6	< 0.33	< 1	< 0.5	< 1
1,4-Dioxane	3	< 78.4	< 5	< 150	< 5
2,2-Dichloropropane	NS	< 0.13	NA	< 2	NA
2-Butanone (MEK)	4000	< 0.96	< 10	< 5	< 10
2-Chloroethyl Vinyl Ether	NS	NA	NA	< 2	NA
2-Chlorotoluene	100	< 0.35	NA	< 0.5	NA
2-Hexanone	NS	< 0.46	< 10	< 5	< 10
4-Chlorotoluene	24*	< 0.31	NA	< 0.5	NA
4-Methyl-2-pentanone (MIBK)	NS	< 0.33	< 10	< 5	< 10
Acetone	6000	< 10	< 20	< 5	< 20
Acrolein	NS	NA	NA	< 20	NA
Acrylonitrile	NS	NA	NA	< 20	NA
Benzene	1	< 0.25	< 1	< 0.5	< 1
Bromobenzene	NS	< 0.3	NA	< 0.5	NA
Bromochloromethane	NS	< 0.17	NA	< 0.5	NA
Bromodichloromethane	0.6	< 0.18	< 1	< 0.5	< 1
Bromoform	4	< 0.26	< 1	< 1	< 1
Bromomethane (Methyl bromide)	NS	< 0.29	< 2	< 1	< 2
Carbon disulfide	700	NA	< 1	< 5	< 1
Carbon tetrachloride	0.3	< 0.25	< 1	< 0.5	< 1
Chlorobenzene	50	< 0.23	< 1	< 0.5	< 1
Chloroethane	3000	< 0.54	< 2	< 0.5	< 2
Chloroform	70	< 0.14	< 1	< 0.5	< 1
Chloromethane (Methyl chloride)	3	< 0.11	< 1	< 0.5	< 1
cis-1,2-Dichloroethene	70	< 0.19	< 1	< 0.5	< 1
cis-1,3-Dichloropropene	0.4	< 0.13	< 1	< 0.5	< 1
Cyclohexane	NS	NA	< 1	NA	< 1
Dibromochloromethane	0.4	< 0.21	< 1	< 0.5	< 1
Dibromomethane	70*	< 0.21	NA	< 0.5	NA
Dichlorodifluoromethane	1000	< 0.21	< 2	< 1	< 2
Diisopropyl ether	NS	< 0.12	NA	NA	NA
Ethylbenzene	600	< 0.3	< 1	< 0.5	< 1
Hexachloro-1,3-butadiene	NS	< 0.71	NA	< 2	NA
Isopropyl Ether	70	NA	NA	< 0.5	NA
Isopropylbenzene	70	NA	< 1	< 0.5	< 1
m&p-Xylene	500	< 0.66	NA	< 1	NA
Methyl acetate	NS	NA	< 1	NA	< 1
Methyl tertiary butyl ether (MTBE)	20	< 0.21	< 1	< 0.5	< 1
Methylcyclohexane	NS	NA	< 5	NA	< 5
Methylene chloride	5	< 0.97	< 1	< 1	< 1
n-Butylbenzene	70	NA	NA	< 1	NA
n-Propylbenzene	70	NA	NA	< 0.5	NA
Naphthalene	6	< 0.24	NA	< 1	NA
o-Xylene	500	< 0.23	NA	< 0.5	NA
p-Isopropyltoluene	NS	< 0.31	NA	< 0.5	NA
sec-Butylbenzene	70	NA	NA	< 0.5	NA
Styrene	70	< 0.26	< 1	< 0.5	< 1
tert-Butylbenzene	70	NA	NA	< 0.5	NA
Tetrachloroethene	0.7	**10.2**	**9.4**	**11**	< 1
Toluene	600	< 0.26	< 1	< 0.5	< 1
trans-1,2-Dichloroethene	100	< 0.49	< 1	< 0.5	< 1
trans-1,3-Dichloropropene	0.4	< 0.26	< 1	< 0.5	< 1
Trichloroethene	3	< 0.47	< 1	< 0.5	< 1
Trichlorofluoromethane	2000	< 0.2	< 1	< 0.5	< 1
Vinyl acetate	88*	< 0.35	NA	< 2	NA
Vinyl chloride	0.03	< 0.62	< 1	< 0.5	< 1
Xylenes (total)	500	< 0.66	< 1	< 3	< 1

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-10	MW-10	MW-10-b	MW-10-C (Trip)
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599011	OL19001-002	3120327-01	OL19001-001
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	-
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	< 3	< 3	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 0.98	NA	NA	NA
1,2-Dichlorobenzene	20	< 0.88	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.81	NA	NA	NA
1,4-Dichlorobenzene	6	< 0.95	NA	NA	NA
1-Methylnaphthalene	1*	< 0.32	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	< 0.92	NA	NA	NA
2,4,6-Trichlorophenol	NS	< 1.3	NA	NA	NA
2,4-Dichlorophenol	NS	< 1.7	NA	NA	NA
2,4-Dimethylphenol	100	< 1.2	NA	NA	NA
2,4-Dinitrophenol	NS	< 9	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.9	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.98	NA	NA	NA
2-Chloronaphthalene	NS	< 0.98	NA	NA	NA
2-Chlorophenol	0.4	< 1.3	NA	NA	NA
2-Methylnaphthalene	30	< 0.28	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	< 1.6	NA	NA	NA
2-Nitroaniline	NS	< 2	NA	NA	NA
2-Nitrophenol	NS	< 0.91	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	< 2	NA	NA	NA
3,3'-Dichlorobenzidine	NS	< 2.1	NA	NA	NA
3-Nitroaniline	NS	< 2	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 2.6	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.82	NA	NA	NA
4-Chloro-3-methyl phenol	NS	< 3.7	NA	NA	NA
4-Chloroaniline	NS	< 2.8	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.87	NA	NA	NA
4-Nitroaniline	NS	< 2.1	NA	NA	NA
4-Nitrophenol	NS	< 4.1	NA	NA	NA
5.546:Unknown	NS	**5.8 N//**	NA	NA	NA
6.304:Unknown	NS	**21.1 N//**	NA	NA	NA
6.440:Unknown	NS	**5.8 N//**	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	**18.7 N//**	NA	NA	NA
6.604:Unknown	NS	**11.9 N//**	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	< 0.25	NA	NA	NA
Acenaphthylene	200	< 0.21	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA
Aniline	NS	< 2	NA	NA	NA
Anthracene	2000	< 0.14	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzo(a)anthracene	0.05	< 0.33	NA	NA	NA
Benzo(a)pyrene	0.005	< 0.3	NA	NA	NA
Benzo(b)fluoranthene	0.05	< 0.28	NA	NA	NA
Benzo(g,h,i)perylene	200	< 0.38	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.43	NA	NA	NA
Benzoic Acid	30000	< 11.5	NA	NA	NA
Benzyl alcohol	700*	< 2.4	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.92	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	< 1	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	< 0.95	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.79	NA	NA	NA
Butyl benzyl phthalate	1000	< 0.79	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Chrysene	5	< 0.21	NA	NA	NA
Di-n-butyl phthalate	700	< 0.75	NA	NA	NA
Di-n-octylphthalate	100	< 0.66	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	< 0.55	NA	NA	NA
Dibenzofuran	NS	< 0.89	NA	NA	NA
Diethylphthalate	600	< 0.58	NA	NA	NA
Dimethyl phthalate	NS	< 0.76	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-10	MW-10	MW-10-b	MW-10-C (Trip)
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599011	OL19001-002	3120327-01	OL19001-001
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	-
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	< 0.21	NA	NA	NA
Fluorene	300	< 0.21	NA	NA	NA
Hexachlorobenzene	0.02	< 0.72	NA	NA	NA
Hexachlorobutadiene	0.4	< 0.94	NA	NA	NA
Hexachlorocyclopentadiene	NS	< 0.88	NA	NA	NA
Hexachloroethane	NS	< 1.1	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	< 0.29	NA	NA	NA
Isophorone	40	< 0.89	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	< 0.99	NA	NA	NA
N-Nitrosodimethylamine	0.0007	< 0.91	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	< 1	NA	NA	NA
Naphthalene	6	< 0.34	NA	NA	NA
Nitrobenzene	NS	< 1.1	NA	NA	NA
Pentachlorophenol	0.3	< 4.6	NA	NA	NA
Phenanthrene	200	< 0.22	NA	NA	NA
Phenol	30	< 1.9	NA	NA	NA
Pyrene	200	< 0.19	NA	NA	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	**0.0812 J//**	NA	NA	NA
Antimony	NS	< 0.0026	NA	NA	NA
Arsenic	0.01	< 0.0027	NA	NA	NA
Barium	0.7	**0.0465**	NA	NA	NA
Beryllium	NS	< 0.0005	NA	NA	NA
Cadmium	0.002	< 0.0005	NA	NA	NA
Calcium	NS	**2.51**	NA	NA	NA
Chromium	0.01	< 0.002	NA	NA	NA
Cobalt	NS	**0.0039 J//**	NA	NA	NA
Copper	1	< 0.002	NA	NA	NA
Iron	0.3	**0.109**	NA	NA	NA
Lead	0.015	< 0.004	NA	NA	NA
Magnesium	NS	**1.38**	NA	NA	NA
Manganese	0.05	**0.257**	NA	NA	NA
Nickel	0.1	< 0.0025	NA	NA	NA
Potassium	NS	**3.69 J//**	NA	NA	NA
Selenium	0.02	< 0.005	NA	NA	NA
Silver	0.02	< 0.0025	NA	NA	NA
Sodium	NS	**4.84 J//**	NA	NA	NA
Thallium	NS	< 0.005	NA	NA	NA
Vanadium	NS	< 0.0025	NA	NA	NA
Zinc	1	**0.0108**	NA	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	< 0.00001	NA	NA	NA
Mercury by Method 7470A (mg/L)					
Mercury	0.001	**0.00012 J/B/K**	NA	NA	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-11	MW-11	MW-11-A	MW-11-b
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599010	OL19001-004	OL19001-005	3120327-03
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	< 1.3	NA	NA	< 0.5
1,1,1-Trichloroethane	200	**12.4**	**100**	**110**	**120**
1,1,2,2-Tetrachloroethane	0.2	< 1.6	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	NA	< 5	< 5	NA
1,1,2-Trichloroethane	NS	< 1.2	< 5	< 5	< 0.5
1,1-Dichloroethane	6	**2.8 J//**	**3.4 J//**	**3.4 J//**	**4.2**
1,1-Dichloroethene	7**	**320**	**400**	**420**	**520**
1,1-Dichloropropene	NS	< 2	NA	NA	< 0.5
1,2,3-Trichlorobenzene	NS	< 1.3	NA	NA	< 2
1,2,3-Trichloropropane	0.005	< 1.6	NA	NA	< 1
1,2,4-Trichlorobenzene	70	< 1.4	< 5	< 5	< 1
1,2,4-Trimethylbenzene	400	NA	NA	NA	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 10.1	< 5	< 5	< 2
1,2-Dibromoethane (EDB)	0.02	< 1.1	< 5	< 5	< 0.5
1,2-Dichlorobenzene	20	< 1.2	< 5	< 5	< 0.5
1,2-Dichloroethane	0.4	**1.8 J//**	< 5	< 5	**0.67**
1,2-Dichloropropane	0.6	< 1.1	< 5	< 5	< 0.5
1,3,5-Trimethylbenzene	400	NA	NA	NA	< 0.5
1,3-Dichlorobenzene	200	< 0.96	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	< 1.1	NA	NA	< 0.5
1,4-Dichlorobenzene	6	< 1.3	< 5	< 5	< 0.5
1,4-Dioxane	3	**798**	**170 /J/A**	**69**	**210**
2,2-Dichloropropane	NS	< 0.52	NA	NA	< 2
2-Butanone (MEK)	4000	< 3.8	< 50	< 50	< 5
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	< 2
2-Chlorotoluene	100	< 1.4	NA	NA	< 0.5
2-Hexanone	NS	< 1.8	< 50	< 50	< 5
4-Chlorotoluene	24*	< 1.2	NA	NA	< 0.5
4-Methyl-2-pentanone (MIBK)	NS	< 1.3	< 50	**2.2 J//**	< 5
Acetone	6000	< 40	< 100	< 100	< 5
Acrolein	NS	NA	NA	NA	< 20
Acrylonitrile	NS	NA	NA	NA	< 20
Benzene	1	< 1	< 5	< 5	< 0.5
Bromobenzene	NS	< 1.2	NA	NA	< 0.5
Bromochloromethane	NS	< 0.68	NA	NA	< 0.5
Bromodichloromethane	0.6	< 0.72	< 5	< 5	< 0.5
Bromoform	4	< 1	< 5	< 5	< 1
Bromomethane (Methyl bromide)	NS	< 1.2	< 10	< 10	< 1
Carbon disulfide	700	NA	< 5	< 5	< 5
Carbon tetrachloride	0.3	< 1	< 5	**17**	< 0.5
Chlorobenzene	50	< 0.92	< 5	< 5	< 0.5
Chloroethane	3000	< 2.2	< 10	< 10	< 0.5
Chloroform	70	**4.8**	**2.3 J//**	**2.4 J//**	**2.3**
Chloromethane (Methyl chloride)	3	< 0.44	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 0.76	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	0.4	< 0.52	< 5	< 5	< 0.5
Cyclohexane	NS	NA	< 5	< 5	NA
Dibromochloromethane	0.4	< 0.84	< 5	< 5	< 0.5
Dibromomethane	70*	< 0.84	NA	NA	< 0.5
Dichlorodifluoromethane	1000	< 0.84	< 10	< 10	< 1
Diisopropyl ether	NS	< 0.48	NA	NA	NA
Ethylbenzene	600	< 1.2	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	< 2.8	NA	NA	< 2
Isopropyl Ether	70	NA	NA	NA	< 0.5
Isopropylbenzene	70	NA	< 5	< 5	< 0.5
m&p-Xylene	500	< 2.6	NA	NA	< 1
Methyl acetate	NS	NA	< 5	< 5	NA
Methyl tertiary butyl ether (MTBE)	20	< 0.84	< 5	< 5	< 0.5
Methylcyclohexane	NS	NA	< 25	< 25	NA
Methylene chloride	5	< 3.9	< 5	< 5	< 1
n-Butylbenzene	70	NA	NA	NA	< 1
n-Propylbenzene	70	NA	NA	NA	< 0.5
Naphthalene	6	< 0.96	NA	NA	< 1
o-Xylene	500	< 0.92	NA	NA	< 0.5
p-Isopropyltoluene	NS	< 1.2	NA	NA	< 0.5
sec-Butylbenzene	70	NA	NA	NA	< 0.5
Styrene	70	< 1	< 5	< 5	< 0.5
tert-Butylbenzene	70		NA	NA	< 0.5
Tetrachloroethene	0.7	**5.5**	**4.9 J//**	**5.4**	**7**
Toluene	600	**1.5 J//**	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 2	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	0.4	< 1	< 5	< 5	< 0.5
Trichloroethene	3	< 1.9	**1 J//**	**1.4 J//**	**1.2**
Trichlorofluoromethane	2000	< 0.8	< 5	< 5	< 0.5
Vinyl acetate	88*	< 1.4	NA	NA	< 2
Vinyl chloride	0.03	< 2.5	< 5	< 5	< 0.5
Xylenes (total)	500	< 2.6	< 5	< 5	< 3

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-11	MW-11	MW-11-A	MW-11-b
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599010	OL19001-004	OL19001-005	3120327-03
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	**250**	**250**	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 0.98	NA	NA	NA
1,2-Dichlorobenzene	20	< 0.88	NA	NA	NA
1,3-Dichlorobenzene	200	< 0.81	NA	NA	NA
1,4-Dichlorobenzene	6	< 0.95	NA	NA	NA
1-Methylnaphthalene	1*	< 0.32	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	< 0.92	NA	NA	NA
2,4,6-Trichlorophenol	NS	< 1.3	NA	NA	NA
2,4-Dichlorophenol	NS	< 1.7	NA	NA	NA
2,4-Dimethylphenol	100	< 1.2	NA	NA	NA
2,4-Dinitrophenol	NS	< 9	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.9	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.98	NA	NA	NA
2-Chloronaphthalene	NS	< 0.98	NA	NA	NA
2-Chlorophenol	0.4	< 1.3	NA	NA	NA
2-Methylnaphthalene	30	< 0.28	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	< 1.6	NA	NA	NA
2-Nitroaniline	NS	< 2	NA	NA	NA
2-Nitrophenol	NS	< 0.91	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	< 2	NA	NA	NA
3,3'-Dichlorobenzidine	NS	< 2.1	NA	NA	NA
3-Nitroaniline	NS	< 2	NA	NA	NA
3.787:1,4-Dioxane	3	**41.3 N//**	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 2.6	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.82	NA	NA	NA
4-Chloro-3-methyl phenol	NS	< 3.7	NA	NA	NA
4-Chloroaniline	NS	< 2.8	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.87	NA	NA	NA
4-Nitroaniline	NS	< 2.1	NA	NA	NA
4-Nitrophenol	NS	< 4.1	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	**25.9 N//**	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	**22.8 N//**	NA	NA	NA
6.604:Unknown	NS	**14 N//**	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	**5.5 N//**	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	< 0.25	NA	NA	NA
Acenaphthylene	200	< 0.21	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA
Aniline	NS	< 2	NA	NA	NA
Anthracene	2000	< 0.14	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzo(a)anthracene	0.05	< 0.33	NA	NA	NA
Benzo(a)pyrene	0.005	< 0.3	NA	NA	NA
Benzo(b)fluoranthene	0.05	< 0.28	NA	NA	NA
Benzo(g,h,i)perylene	200	< 0.38	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.43	NA	NA	NA
Benzoic Acid	30000	< 11.5	NA	NA	NA
Benzyl alcohol	700*	< 2.4	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.92	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	< 1	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	< 0.95	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.79	NA	NA	NA
Butyl benzyl phthalate	1000	< 0.79	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Chrysene	5	< 0.21	NA	NA	NA
Di-n-butyl phthalate	700	< 0.75	NA	NA	NA
Di-n-octylphthalate	100	< 0.66	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	< 0.55	NA	NA	NA
Dibenzofuran	NS	< 0.89	NA	NA	NA
Diethylphthalate	600	< 0.58	NA	NA	NA
Dimethyl phthalate	NS	< 0.76	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	MW-11	MW-11	MW-11-A	MW-11-b
Date Collected	2L .0202	10/29/13	12/16/13	12/16/13	12/16/13
Laboratory Sample ID	Groundwater	92177599010	OL19001-004	OL19001-005	3120327-03
Screened Interval (Feet bgs)	Standard	25.1-34.6	25.1-34.6	25.1-34.6	25.1-34.6
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	< 0.21	NA	NA	NA
Fluorene	300	< 0.21	NA	NA	NA
Hexachlorobenzene	0.02	< 0.72	NA	NA	NA
Hexachlorobutadiene	0.4	< 0.94	NA	NA	NA
Hexachlorocyclopentadiene	NS	< 0.88	NA	NA	NA
Hexachloroethane	NS	< 1.1	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	< 0.29	NA	NA	NA
Isophorone	40	< 0.89	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	< 0.99	NA	NA	NA
N-Nitrosodimethylamine	0.0007	< 0.91	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	< 1	NA	NA	NA
Naphthalene	6	< 0.34	NA	NA	NA
Nitrobenzene	NS	< 1.1	NA	NA	NA
Pentachlorophenol	0.3	< 4.6	NA	NA	NA
Phenanthrene	200	< 0.22	NA	NA	NA
Phenol	30	< 1.9	NA	NA	NA
Pyrene	200	< 0.19	NA	NA	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	< 0.05	NA	NA	NA
Antimony	NS	< 0.0026	NA	NA	NA
Arsenic	0.01	< 0.0027	NA	NA	NA
Barium	0.7	**0.0348**	NA	NA	NA
Beryllium	NS	< 0.0005	NA	NA	NA
Cadmium	0.002	< 0.0005	NA	NA	NA
Calcium	NS	**3.41**	NA	NA	NA
Chromium	0.01	< 0.002	NA	NA	NA
Cobalt	NS	**0.0036 J//**	NA	NA	NA
Copper	1	< 0.002	NA	NA	NA
Iron	0.3	**0.0509**	NA	NA	NA
Lead	0.015	< 0.004	NA	NA	NA
Magnesium	NS	**1.31**	NA	NA	NA
Manganese	0.05	**0.078**	NA	NA	NA
Nickel	0.1	< 0.0025	NA	NA	NA
Potassium	NS	< 2.5	NA	NA	NA
Selenium	0.02	< 0.005	NA	NA	NA
Silver	0.02	< 0.0025	NA	NA	NA
Sodium	NS	**3.02 J//**	NA	NA	NA
Thallium	NS	< 0.005	NA	NA	NA
Vanadium	NS	< 0.0025	NA	NA	NA
Zinc	1	**0.0067 J//**	NA	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	< 0.00001	NA	NA	NA
Mercury by Method 7470A (mg/L)					
Mercury	0.001	**0.00014 J/B/K**	NA	NA	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	TW-1	TW-2	TW-3	TW-5
Date Collected	2L .0202	08/26/11	08/26/11	08/26/11	08/26/11
Laboratory Sample ID	Groundwater	MH27005-003	MH27005-004	MH27005-005	MH27005-006
Screened Interval (Feet bgs)	Standard	22-27	27-37	22-25	15-21
VOCs by Method 8260B (ug/L)					
1,1,1,2-Tetrachloroethane	1*	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	**0.36 J**	< 5	< 5
1,1,2,2-Tetrachloroethane	0.2	< 5	< 5	< 5	< 5
1,1,2-Trichloro-1,2,2-Trifluoroethane	200000	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	NS	< 5	< 5	< 5	< 5
1,1-Dichloroethane	6	< 5	**4.4 J**	< 5	< 5
1,1-Dichloroethene	7**	< 5	**250**	< 5	< 5
1,1-Dichloropropene	NS	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA
1,2,3-Trichloropropane	0.005	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	400	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.04	< 5	< 5	< 5	< 5
1,2-Dibromoethane (EDB)	0.02	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	20	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.4	< 5	**2 J**	< 5	< 5
1,2-Dichloropropane	0.6	< 5	< 5	< 5	< 5
1,3,5-Trimethylbenzene	400	NA	NA	NA	NA
1,3-Dichlorobenzene	200	< 5	< 5	< 5	< 5
1,3-Dichloropropane	NS	NA	NA	NA	NA
1,4-Dichlorobenzene	6	< 5	< 5	< 5	< 5
1,4-Dioxane	3	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA
2-Butanone (MEK)	4000	< 10	< 10	< 10	< 10
2-Chloroethyl Vinyl Ether	NS	NA	NA	NA	NA
2-Chlorotoluene	100	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10
4-Chlorotoluene	24*	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	NS	< 10	< 10	< 10	< 10
Acetone	6000	< 20	< 20	< 20	< 20
Acrolein	NS	NA	NA	NA	NA
Acrylonitrile	NS	NA	NA	NA	NA
Benzene	1	< 5	**0.26 J**	< 5	< 5
Bromobenzene	NS	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA
Bromodichloromethane	0.6	< 5	< 5	< 5	< 5
Bromoform	4	< 5	< 5	< 5	< 5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 5	< 5
Carbon disulfide	700	< 5	< 5	< 5	< 5
Carbon tetrachloride	0.3	< 5	< 5	< 5	< 5
Chlorobenzene	50	< 5	< 5	< 5	< 5
Chloroethane	3000	< 5	< 5	< 5	< 5
Chloroform	70	< 5	**13**	< 5	< 5
Chloromethane (Methyl chloride)	3	**0.51 J**	< 5	< 5	< 5
cis-1,2-Dichloroethene	70	< 5	**1.2 J**	< 5	< 5
cis-1,3-Dichloropropene	0.4	< 5	< 5	< 5	< 5
Cyclohexane	NS	< 5	< 5	< 5	< 5
Dibromochloromethane	0.4	< 5	< 5	< 5	< 5
Dibromomethane	70*	NA	NA	NA	NA
Dichlorodifluoromethane	1000	< 5	< 5	< 5	< 5
Diisopropyl ether	NS	NA	NA	NA	NA
Ethylbenzene	600	< 5	< 5	< 5	< 5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA
Isopropyl Ether	70	NA	NA	NA	NA
Isopropylbenzene	70	< 5	< 5	< 5	< 5
m&p-Xylene	500	NA	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 5	< 5
Methyl tertiary butyl ether (MTBE)	20	< 5	< 5	< 5	< 5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 5	< 5
n-Butylbenzene	70	NA	NA	NA	NA
n-Propylbenzene	70	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA
o-Xylene	500	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA
sec-Butylbenzene	70	NA	NA	NA	NA
Styrene	70	< 5	< 5	< 5	< 5
tert-Butylbenzene	70	NA	NA	NA	NA
Tetrachloroethene	0.7	< 5	**19**	**6**	< 5
Toluene	600	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	0.4	< 5	< 5	< 5	< 5
Trichloroethene	3	< 5	**5.5**	< 5	< 5
Trichlorofluoromethane	2000	< 5	< 5	< 5	< 5
Vinyl acetate	88*	NA	NA	NA	NA
Vinyl chloride	0.03	< 2	< 2	< 2	< 2
Xylenes (total)	500	< 5	< 5	< 5	< 5

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	TW-1	TW-2	TW-3	TW-5
Date Collected	2L .0202	08/26/11	08/26/11	08/26/11	08/26/11
Laboratory Sample ID	Groundwater	MH27005-003	MH27005-004	MH27005-005	MH27005-006
Screened Interval (Feet bgs)	Standard	22-27	27-37	22-25	15-21
1,4-Dioxane by Method 8260 (SIM) (ug/L)					
1,4-Dioxane	3	NA	NA	NA	NA
SVOCs by Method 8270D (ug/L)					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	NA	NA	NA	NA
1,2-Dichlorobenzene	20	NA	NA	NA	NA
1,3-Dichlorobenzene	200	NA	NA	NA	NA
1,4-Dichlorobenzene	6	NA	NA	NA	NA
1-Methylnaphthalene	1*	NA	NA	NA	NA
18.708:Unknown	NS	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NA	NA	NA	NA
2,4-Dichlorophenol	NS	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA
2,4-Dinitrophenol	NS	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA
2-Chloronaphthalene	NS	NA	NA	NA	NA
2-Chlorophenol	0.4	NA	NA	NA	NA
2-Methylnaphthalene	30	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	NS	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA
21.539:Unknown	NS	NA	NA	NA	NA
3&4-Methylphenol (m&p Cresol)	40 2	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA
3.787:1,4-Dioxane	3	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA
4-Chloro-3-methyl phenol	NS	NA	NA	NA	NA
4-Chloroaniline	NS	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA
5.546:Unknown	NS	NA	NA	NA	NA
6.304:Unknown	NS	NA	NA	NA	NA
6.440:Unknown	NS	NA	NA	NA	NA
6.502:Unknown	NS	NA	NA	NA	NA
6.505:Unknown	NS	NA	NA	NA	NA
6.569:Unknown	NS	NA	NA	NA	NA
6.604:Unknown	NS	NA	NA	NA	NA
6.639:2,3,3-Trimethyl-1-hexene	NS	NA	NA	NA	NA
6.639:Unknown	NS	NA	NA	NA	NA
6.642:Unknown	NS	NA	NA	NA	NA
6.760:Unknown	NS	NA	NA	NA	NA
6.794:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.797:Cyclohexane, 1-methyl-2-	NS	NA	NA	NA	NA
6.832:Unknown	NS	NA	NA	NA	NA
6.835:Unknown	NS	NA	NA	NA	NA
Acenaphthene	80	NA	NA	NA	NA
Acenaphthylene	200	NA	NA	NA	NA
Acetophenone	NS	NA	NA	NA	NA
Aniline	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzo(a)anthracene	0.05	NA	NA	NA	NA
Benzo(a)pyrene	0.005	NA	NA	NA	NA
Benzo(b)fluoranthene	0.05	NA	NA	NA	NA
Benzo(g,h,i)perylene	200	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA
Benzoic Acid	30000	NA	NA	NA	NA
Benzyl alcohol	700*	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.03	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NS	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA
Butyl benzyl phthalate	1000	NA	NA	NA	NA
Caprolactam	4000	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA
Di-n-butyl phthalate	700	NA	NA	NA	NA
Di-n-octylphthalate	100	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.005	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA
Diethylphthalate	600	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA

Table 2-4
Summary of Groundwater Analytical Data — 2011 through 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	15A NCAC	TW-1	TW-2	TW-3	TW-5
Date Collected	2L .0202	08/26/11	08/26/11	08/26/11	08/26/11
Laboratory Sample ID	Groundwater	MH27005-003	MH27005-004	MH27005-005	MH27005-006
Screened Interval (Feet bgs)	Standard	22-27	27-37	22-25	15-21
SVOCs by Method 8270D (ug/L)					
Fluoranthene	300	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA
Hexachlorobenzene	0.02	NA	NA	NA	NA
Hexachlorobutadiene	0.4	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NA	NA	NA	NA
Hexachloroethane	NS	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	0.05	NA	NA	NA	NA
Isophorone	40	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NS	NA	NA	NA	NA
N-Nitrosodimethylamine	0.0007	NA	NA	NA	NA
N-Nitrosodiphenylamine (Diphenylamine)	NS	NA	NA	NA	NA
Naphthalene	6	NA	NA	NA	NA
Nitrobenzene	NS	NA	NA	NA	NA
Pentachlorophenol	0.3	NA	NA	NA	NA
Phenanthrene	200	NA	NA	NA	NA
Phenol	30	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA
Unknown	NS	NA	NA	NA	NA
Unknown-	NS	NA	NA	NA	NA
Metals by Method 6010C (mg/L)					
Aluminum	NS	NA	NA	NA	NA
Antimony	NS	NA	NA	NA	NA
Arsenic	0.01	NA	NA	NA	NA
Barium	0.7	NA	NA	NA	NA
Beryllium	NS	NA	NA	NA	NA
Cadmium	0.002	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA
Chromium	0.01	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA
Copper	1	NA	NA	NA	NA
Iron	0.3	NA	NA	NA	NA
Lead	0.015	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA
Manganese	0.05	NA	NA	NA	NA
Nickel	0.1	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA
Selenium	0.02	NA	NA	NA	NA
Silver	0.02	NA	NA	NA	NA
Sodium	NS	NA	NA	NA	NA
Thallium	NS	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA
Zinc	1	NA	NA	NA	NA
Hexavalent Chromium by Method SM 3500-Cr (mg/L)					
Hexavalent Chromium	0.01	NA	NA	NA	NA
Mercury by Method 7470A (mg/L)					
Mercury	0.001	NA	NA	NA	NA
Dissolved Metals by Method 6010C (mg/L)					
Dissolved Aluminum	NS	NA	NA	NA	NA
Dissolved Antimony	NS	NA	NA	NA	NA
Dissolved Arsenic	0.01	NA	NA	NA	NA
Dissolved Barium	0.7	NA	NA	NA	NA
Dissolved Beryllium	NS	NA	NA	NA	NA
Dissolved Cadmium	0.002	NA	NA	NA	NA
Dissolved Calcium	NS	NA	NA	NA	NA
Dissolved Chromium	0.01	NA	NA	NA	NA
Dissolved Cobalt	NS	NA	NA	NA	NA
Dissolved Copper	1	NA	NA	NA	NA
Dissolved Iron	0.3	NA	NA	NA	NA
Dissolved Lead	0.015	NA	NA	NA	NA
Dissolved Magnesium	NS	NA	NA	NA	NA
Dissolved Manganese	0.05	NA	NA	NA	NA
Dissolved Nickel	0.1	NA	NA	NA	NA
Dissolved Potassium	NS	NA	NA	NA	NA
Dissolved Selenium	0.02	NA	NA	NA	NA
Dissolved Silver	0.02	NA	NA	NA	NA
Dissolved Sodium	NS	NA	NA	NA	NA
Dissolved Thallium	NS	NA	NA	NA	NA
Dissolved Vanadium	NS	NA	NA	NA	NA
Dissolved Zinc	1	NA	NA	NA	NA
Dissolved Mercury by Method 7470A (mg/L)					
Dissolved Mercury	0.001	NA	NA	NA	NA

Table 2-5
Summary of Sediment Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SED-1		SED-2		SED-2-a		SED-3		SED-4	
Date Collected	10/21/13		10/21/13		10/21/13		10/21/13		10/21/13	
Laboratory Sample ID	92176819009		92176819008		92176819010		92176819013		92176819007	
VOCs by Method 8260B (ug/kg)										
1,1,1,2-Tetrachloroethane	< 2.2		< 2		< 2.3		< 2.1		< 2.2	
1,1,1-Trichloroethane	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
1,1,2,2-Tetrachloroethane	< 2		< 1.8		< 2.1		< 1.9		< 2	
1,1,2-Trichloroethane	< 2.2		< 2		< 2.3		< 2.1		< 2.2	
1,1-Dichloroethane	< 1.6		< 1.4		< 1.6		< 1.5		< 1.5	
1,1-Dichloroethene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
1,1-Dichloropropene	< 1.6		< 1.4		< 1.6		< 1.5		< 1.5	
1,2,3-Trichlorobenzene	< 2.3		< 2.1		< 2.4		< 2.2		< 2.3	
1,2,3-Trichloropropane	< 1.7		< 1.5		< 1.8		< 1.6		< 1.6	
1,2,4-Trichlorobenzene	< 1.7		< 1.5		< 1.8		< 1.6		< 1.6	
1,2,4-Trimethylbenzene	< 2.1		< 1.9		< 2.2		< 2		< 2.1	
1,2-Dibromo-3-chloropropane	< 3.8		< 3.5		< 4		< 3.5		< 3.7	
1,2-Dibromoethane (EDB)	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
1,2-Dichlorobenzene	< 2		< 1.8		< 2.1		< 1.9		< 2	
1,2-Dichloroethane	< 2.3		< 2.1		< 2.4		< 2.2		< 2.3	
1,2-Dichloropropane	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
1,3,5-Trimethylbenzene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
1,3-Dichlorobenzene	< 2.1		< 1.9		< 2.2		< 2		< 2.1	
1,3-Dichloropropane	< 2		< 1.8		< 2.1		< 1.9		< 2	
1,4-Dichlorobenzene	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
2,2-Dichloropropane	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
2-Butanone (MEK)	< 3		< 2.8		< 3.2		< 2.9		< 3	
2-Chlorotoluene	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
2-Hexanone	< 4.1		< 3.8		< 4.3		< 3.8		< 4	
4-Chlorotoluene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
4-Methyl-2-pentanone (MIBK)	< 3.9		< 3.6		< 4.1		< 3.6		< 3.8	
Acetone	**64.4**	**J//**	**52**	**J//**	**43.9**	**J//**	**33**	**J//**	**40.1**	**J//**
Benzene	< 1.7		< 1.5		< 1.8		< 1.6		< 1.6	
Bromobenzene	< 2.1		< 1.9		< 2.2		< 2		< 2.1	
Bromochloromethane	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
Bromodichloromethane	< 2		< 1.8		< 2.1		< 1.9		< 2	
Bromoform	< 2.4		< 2.2		< 2.5		< 2.3		< 2.4	
Bromomethane	< 2.6		< 2.4		< 2.7		< 2.5		< 2.6	
Carbon tetrachloride	< 2.7		< 2.5		< 2.9		< 2.6		< 2.7	
Chlorobenzene	< 2		< 1.8		< 2.1		< 1.9		< 2	
Chloroethane	< 2.5		< 2.3		< 2.6		< 2.4		< 2.5	
Chloroform	< 1.7		< 1.5		< 1.8		< 1.6		< 1.6	
Chloromethane	< 2.5		< 2.3		< 2.6		< 2.4		< 2.5	
cis-1,2-Dichloroethene	< 1.5		< 1.4		< 1.5		< 1.4		< 1.4	
cis-1,3-Dichloropropene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
Dibromochloromethane	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
Dibromomethane	< 2.6		< 2.4		< 2.7		< 2.5		< 2.6	
Dichlorodifluoromethane	< 3.8		< 3.5		< 4		< 3.5		< 3.7	
Diisopropyl ether	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
Ethylbenzene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
Hexachloro-1,3-butadiene	< 2.1		< 1.9		< 2.2		< 2		< 2.1	
Isopropylbenzene (Cumene)	< 2		< 1.8		< 2.1		< 1.9		< 2	
m&p-Xylene	< 3.8		< 3.5		< 4		< 3.5		< 3.7	
Methyl-tert-butyl ether	< 1.6		< 1.4		< 1.6		< 1.5		< 1.5	
Methylene Chloride	**6.6**	**J//**	**8.4**	**J//**	**8**	**J//**	**5.5**	**J//**	**6.9**	**J//**
n-Butylbenzene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
n-Propylbenzene	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
Naphthalene	< 1.3		< 1.2		< 1.3		< 1.2		< 1.2	
o-Xylene	< 2		< 1.8		< 2.1		< 1.9		< 2	
p-Isopropyltoluene	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
sec-Butylbenzene	< 1.7		< 1.5		< 1.8		< 1.6		< 1.6	
Styrene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
tert-Butylbenzene	< 2.1		< 1.9		< 2.2		< 2		< 2.1	
Tetrachloroethene	< 1.8		< 1.6		< 1.9		< 1.7		< 1.7	
Toluene	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
trans-1,2-Dichloroethene	< 2		< 1.8		< 2.1		< 1.9		< 2	
trans-1,3-Dichloropropene	< 1.6		< 1.4		< 1.6		< 1.5		< 1.5	
Trichloroethene	< 2.2		< 2		< 2.3		< 2.1		< 2.2	
Trichlorofluoromethane	< 2.3		< 2.1		< 2.4		< 2.2		< 2.3	
Vinyl acetate	< 9.2		< 8.5		< 9.7		< 8.7		< 9	
Vinyl chloride	< 1.9		< 1.7		< 2		< 1.8		< 1.8	
Xylene (Total)	< 3.8		< 3.5		< 4		< 3.5		< 3.7	

Table 2-5
Summary of Sediment Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SED-1	SED-2	SED-2-a	SED-3	SED-4
Date Collected	10/21/13	10/21/13	10/21/13	10/21/13	10/21/13
Laboratory Sample ID	92176819009	92176819008	92176819010	92176819013	92176819007
SVOCs by Method 8270D (ug/kg)					
1,2,4-Trichlorobenzene	< 81.1	< 80.2	NA	NA	< 82
1,2-Dichlorobenzene	< 112	< 110	NA	NA	< 113
1,3-Dichlorobenzene	< 95.1	< 94	NA	NA	< 96.1
1,4-Dichlorobenzene	< 118	< 117	NA	NA	< 119
1-Methylnaphthalene	< 109	< 108	NA	NA	< 110
10.260:Pentadecane	NA	NA	NA	NA	**321 N//**
10.751:Hexadecane	NA	NA	NA	NA	**218 N//**
2,4,5-Trichlorophenol	< 129	< 128	NA	NA	< 131
2,4,6-Trichlorophenol	< 92.5	< 91.5	NA	NA	< 93.6
2,4-Dichlorophenol	< 91.3	< 90.3	NA	NA	< 92.3
2,4-Dimethylphenol	< 165	< 163	NA	NA	< 167
2,4-Dinitrophenol	< 68.4	< 67.7	NA	NA	< 69.2
2,4-Dinitrotoluene	< 78.6	< 77.7	NA	NA	< 79.5
2,6-Dinitrotoluene	< 87.5	< 86.5	NA	NA	< 88.5
2-Chloronaphthalene	< 82.4	< 81.5	NA	NA	< 83.3
2-Chlorophenol	< 114	< 113	NA	NA	< 115
2-Methylnaphthalene	< 90	< 89	NA	NA	< 91
2-Methylphenol(o-Cresol)	< 127	< 125	NA	NA	< 128
2-Nitroaniline	< 129	< 128	NA	NA	< 131
2-Nitrophenol	< 101	< 100	NA	NA	< 103
3&4-Methylphenol(m&p Cresol)	< 165	< 163	NA	NA	< 167
3,3'-Dichlorobenzidine	< 91.3	< 90.3	NA	NA	< 92.3
3-Nitroaniline	< 114	< 113	NA	NA	< 115
4,6-Dinitro-2-methylphenol	< 83.6	< 82.7	NA	NA	< 84.6
4-Bromophenylphenyl ether	< 76	< 75.2	NA	NA	< 76.9
4-Chloro-3-methylphenol	< 86.2	< 85.2	NA	NA	< 87.2
4-Chloroaniline	< 117	< 115	NA	NA	< 118
4-Chlorophenylphenyl ether	< 86.2	< 85.2	NA	NA	< 87.2
4-Nitroaniline	< 118	< 117	NA	NA	< 119
4-Nitrophenol	< 74.8	< 74	NA	NA	< 75.6
Acenaphthene	< 96.3	< 95.3	NA	NA	< 97.4
Acenaphthylene	< 98.9	< 97.8	NA	NA	< 100
Aniline	< 113	< 112	NA	NA	< 114
Anthracene	< 93.8	< 92.8	NA	NA	< 94.9
Benzo(a)anthracene	< 77.3	< 76.5	NA	NA	< 78.2
Benzo(a)pyrene	< 79.8	< 79	NA	NA	< 80.8
Benzo(b)fluoranthene	< 72.2	< 71.5	NA	NA	< 73.1
Benzo(g,h,i)perylene	< 106	< 105	NA	NA	< 108
Benzo(k)fluoranthene	< 82.4	< 81.5	NA	NA	< 83.3
Benzoic Acid	< 76	< 75.2	NA	NA	< 76.9
Benzyl alcohol	< 83.6	< 82.7	NA	NA	< 84.6
bis(2-Chloroethoxy)methane	< 97.6	< 96.5	NA	NA	< 98.7
bis(2-Chloroethyl) ether	< 106	< 105	NA	NA	< 108
bis(2-Chloroisopropyl) ether	< 112	< 110	NA	NA	< 113
bis(2-Ethylhexyl)phthalate	< 114	< 113	NA	NA	< 115
Butylbenzylphthalate	< 88.7	< 87.8	NA	NA	< 89.7
Chrysene	< 55.8	< 55.2	NA	NA	< 56.4
Di-n-butylphthalate	< 68.4	< 67.7	NA	NA	< 69.2
Di-n-octylphthalate	< 87.5	< 86.5	NA	NA	< 88.5
Dibenz(a,h)anthracene	< 88.7	< 87.8	NA	NA	< 89.7
Dibenzofuran	< 68.4	< 67.7	NA	NA	< 69.2
Diethylphthalate	< 64.6	< 63.9	NA	NA	< 65.4
Dimethylphthalate	< 84.9	< 84	NA	NA	< 85.9
Fluoranthene	< 60.8	< 60.2	NA	NA	< 61.5
Fluorene	< 86.2	< 85.2	NA	NA	< 87.2
Hexachloro-1,3-butadiene	< 72.2	< 71.5	NA	NA	< 73.1
Hexachlorobenzene	< 53.2	< 52.7	NA	NA	< 53.8
Hexachlorocyclopentadiene	< 77.3	< 76.5	NA	NA	< 78.2
Hexachloroethane	< 110	< 109	NA	NA	< 112
Indeno(1,2,3-cd)pyrene	< 86.2	< 85.2	NA	NA	< 87.2
Isophorone	< 93.8	< 92.8	NA	NA	< 94.9
N-Nitroso-di-n-propylamine	< 79.8	< 79	NA	NA	< 80.8
N-Nitrosodimethylamine	< 136	< 134	NA	NA	< 137
N-Nitrosodiphenylamine	< 124	< 123	NA	NA	< 126

Table 2-5
Summary of Sediment Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SED-1 (Background)		SED-2		SED-2-a		SED-3	SED-4	
Date Collected	10/21/13		10/21/13		10/21/13		10/21/13	10/21/13	
Laboratory Sample ID	92176819009		92176819008		92176819010		92176819013	92176819007	
SVOCs by Method 8270D (ug/kg)									
Naphthalene	< 103		< 102		NA		NA	< 104	
Nitrobenzene	< 114		< 113		NA		NA	< 115	
Pentachlorophenol	< 76		< 75.2		NA		NA	< 76.9	
Phenanthrene	< 69.7		< 69		NA		NA	< 70.5	
Phenol	< 125		< 124		NA		NA	< 127	
Pyrene	< 71		< 70.2		NA		NA	< 71.8	
Metals by Method 6010C (mg/kg)									
Aluminum	**1770**		**894**		**1030**		NA	**892**	
Antimony	< 0.28		**0.52**	**J//**	< 0.34		NA	< 0.32	
Arsenic	**5.4**		**1.1**	**J//**	**4.3**		NA	**2.3**	
Barium	**8.4**		**4.6**	**/J/A**	**8.1**		NA	**6.1**	
Beryllium	**0.19**		**0.074**	**J/B/K**	**0.25**		NA	**0.24**	
Cadmium	**0.16**		**0.1**	**J//**	**0.11**	**J//**	NA	**0.081**	**J//**
Calcium	**64.7**		**47.9**		**45.5**	**/B/K**	NA	**46.8**	**/B/K**
Chromium	**31.5**		**6.5**	**/J/A**	**10.2**		NA	**4.2**	
Cobalt	**2.4**		< 0.18		**0.33**	**J//**	NA	**0.3**	**J//**
Copper	**6**		**0.74**		**0.96**		NA	**1.4**	
Iron	**4620**		**2930**		**3200**		NA	**2910**	
Lead	**6.3**		**2.4**		**2.2**		NA	**1.9**	
Magnesium	**135**		**102**	**/J/A**	**172**		NA	**119**	
Manganese	**235**		**24.2**	**/J/A**	**41.4**		NA	**33.9**	
Nickel	**10**		**0.3**	**J//**	**0.63**		NA	**0.64**	
Potassium	**242**	**J//**	**107**	**J//**	**234**	**J//**	NA	**193**	**J//**
Selenium	< 0.38		< 0.48		< 0.46		NA	< 0.43	
Silver	< 0.03		**0.092**	**J//**	**0.082**	**J//**	NA	< 0.034	
Sodium	**23**	**J/B/K**	**28**	**J/B/K**	**27.4**	**J/B/K**	NA	**29.5**	**J/B/K**
Thallium	**0.39**	**J//**	< 0.33		< 0.32		NA	< 0.3	
Vanadium	**11**		**6.1**		**5.6**		NA	**3.8**	
Zinc	**10.5**		**2.4**	**/J/A**	**5.7**		NA	**4**	
Mercury by Method 7471A (mg/kg)									
Mercury	**0.003**	**J/B/K**	**0.0023**	**J/B/K**	**0.0025**	**J/B/K**	NA	**0.0028**	**J/B/K**

Notes:
Bold font and shading indicate the analyte was detected.
mg/kg - milligrams per kilogram (parts per million)
NA - Not Analyzed
ug/kg - micrograms per kilogram (parts per billion)
See Table 2-6 for explanation of data qualifiers

Table 2-6
Summary of Surface Water Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SW-1	SW-2	SW-2-a	SW-3	SW-4	SW-1-c
Date Collected	10/21/13	10/21/13	10/21/13	10/21/13	10/21/13	10/21/13
Laboratory Sample ID	92176819004	92176819003	92176819006	92176819005	92176819002	92176819001
VOCs by Method 8260B (ug/L)						
1,1,1,2-Tetrachloroethane	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,1,1-Trichloroethane	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48
1,1,2,2-Tetrachloroethane	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,1,2-Trichloroethane	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethane	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethene	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,1-Dichloropropene	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,2,3-Trichlorobenzene	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,3-Trichloropropane	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2,4-Trichlorobenzene	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dibromo-3-chloropropane	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
1,2-Dibromoethane (EDB)	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,2-Dichlorobenzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2-Dichloroethane	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloropropane	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichloropropane	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,4-Dichlorobenzene	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dioxane (p-Dioxane)	< 78.4	< 78.4	< 78.4 L3//	< 78.4 L3//	< 78.4	< 78.4
2,2-Dichloropropane	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
2-Butanone (MEK)	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96	< 0.96
2-Chlorotoluene	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
2-Hexanone	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
4-Chlorotoluene	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
4-Methyl-2-pentanone (MIBK)	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetone	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromochloromethane	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromodichloromethane	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromoform	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromomethane	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Carbon tetrachloride	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chlorobenzene	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloroethane	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Chloroform	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloromethane	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
cis-1,2-Dichloroethene	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Dibromochloromethane	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Dibromomethane	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Dichlorodifluoromethane	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Diisopropyl ether	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Ethylbenzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloro-1,3-butadiene	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
m&p-Xylene	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Methyl-tert-butyl ether	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Methylene Chloride	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Naphthalene	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
o-Xylene	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
p-Isopropyltoluene	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Tetrachloroethene	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
Toluene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
trans-1,2-Dichloroethene	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
trans-1,3-Dichloropropene	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichloroethene	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Trichlorofluoromethane	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Vinyl acetate	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl chloride	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62	< 0.62
Xylene (Total)	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66

Table 2-6
Summary of Surface Water Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SW-1		SW-2		SW-2-a	SW-3	SW-4		SW-1-c
Date Collected	10/21/13		10/21/13		10/21/13	10/21/13	10/21/13		10/21/13
Laboratory Sample ID	92176819004		92176819003		92176819006	92176819005	92176819002		92176819001
SVOCs by Method 8270D (ug/L)									
1,2,4-Trichlorobenzene	< 0.98		< 0.98		NA	NA	< 0.98		NA
1,2-Dichlorobenzene	< 0.88		< 0.88		NA	NA	< 0.88		NA
1,3-Dichlorobenzene	< 0.81		< 0.81		NA	NA	< 0.81		NA
1,4-Dichlorobenzene	< 0.95		< 0.95		NA	NA	< 0.95		NA
1-Methylnaphthalene	< 0.32		< 0.32		NA	NA	< 0.32		NA
18.708:Unknown	**9.2**	**N//**	NA		NA	NA	NA		NA
2,4,5-Trichlorophenol	< 0.92		< 0.92		NA	NA	< 0.92		NA
2,4,6-Trichlorophenol	< 1.3		< 1.3		NA	NA	< 1.3		NA
2,4-Dichlorophenol	< 1.7		< 1.7		NA	NA	< 1.7		NA
2,4-Dimethylphenol	< 1.2		< 1.2		NA	NA	< 1.2		NA
2,4-Dinitrophenol	< 9		< 9		NA	NA	< 9		NA
2,4-Dinitrotoluene	< 0.9		< 0.9		NA	NA	< 0.9		NA
2,6-Dinitrotoluene	< 0.98		< 0.98		NA	NA	< 0.98		NA
2-Chloronaphthalene	< 0.98		< 0.98		NA	NA	< 0.98		NA
2-Chlorophenol	< 1.3		< 1.3		NA	NA	< 1.3		NA
2-Methylnaphthalene	< 0.28		< 0.28		NA	NA	< 0.28		NA
2-Methylphenol(o-Cresol)	< 1.6		< 1.6		NA	NA	< 1.6		NA
2-Nitroaniline	< 2		< 2		NA	NA	< 2		NA
2-Nitrophenol	< 0.91		< 0.91		NA	NA	< 0.91		NA
21.539:Unknown	**81.3**	**N//**	NA		NA	NA	NA		NA
3&4-Methylphenol(m&p Cresol)	< 2		< 2		NA	NA	< 2		NA
3,3'-Dichlorobenzidine	< 2.1		< 2.1		NA	NA	< 2.1		NA
3-Nitroaniline	< 2		< 2		NA	NA	< 2		NA
4,6-Dinitro-2-methylphenol	< 2.6		< 2.6		NA	NA	< 2.6		NA
4-Bromophenylphenyl ether	< 0.82		< 0.82		NA	NA	< 0.82		NA
4-Chloro-3-methylphenol	< 3.7		< 3.7		NA	NA	< 3.7		NA
4-Chloroaniline	< 2.8		< 2.8		NA	NA	< 2.8		NA
4-Chlorophenylphenyl ether	< 0.87		< 0.87		NA	NA	< 0.87		NA
4-Nitroaniline	< 2.1		< 2.1		NA	NA	< 2.1		NA
4-Nitrophenol	< 4.1		< 4.1		NA	NA	< 4.1		NA
6.502:Unknown	**30.8**	**N//**	NA		NA	NA	**24.8**	**N//**	NA
6.505:Unknown	NA		**30.5**	**N//**	NA	NA	NA		NA
6.639:2,3,3-Trimethyl-1-hexene	NA		NA		NA	NA	**6.2**	**N//**	NA
6.639:Unknown	**8.1**	**N//**	NA		NA	NA	NA		NA
6.642:Unknown	NA		**8**	**N//**	NA	NA	NA		NA
6.760:Unknown	**32.6**	**N//**	**31.5**	**N//**	NA	NA	**26.5**	**N//**	NA
6.794:Cyclohexane, 1-methyl-2-	NA		NA		NA	NA	**12.4**	**N//**	NA
6.797:Cyclohexane, 1-methyl-2-	**15.6**	**N//**	**15.6**	**N//**	NA	NA	NA		NA
6.832:Unknown	**6.5**	**N//**	NA		NA	NA	**5.4**	**N//**	NA
6.835:Unknown	NA		**6.7**	**N//**	NA	NA	NA		NA
Acenaphthene	< 0.25		< 0.25		NA	NA	< 0.25		NA
Acenaphthylene	< 0.21		< 0.21		NA	NA	< 0.21		NA
Aniline	< 2		< 2		NA	NA	< 2		NA
Anthracene	< 0.14		< 0.14		NA	NA	< 0.14		NA
Benzo(a)anthracene	< 0.33		< 0.33		NA	NA	< 0.33		NA
Benzo(a)pyrene	< 0.3		< 0.3		NA	NA	< 0.3		NA
Benzo(b)fluoranthene	< 0.28		< 0.28		NA	NA	< 0.28		NA
Benzo(g,h,i)perylene	< 0.38		< 0.38		NA	NA	< 0.38		NA
Benzo(k)fluoranthene	< 0.43		< 0.43		NA	NA	< 0.43		NA
Benzoic Acid	< 11.5	/R/c	< 11.5	/R/c	NA	NA	< 11.5	/R/c	NA
Benzyl alcohol	< 2.4		< 2.4		NA	NA	< 2.4		NA
bis(2-Chloroethoxy)methane	< 0.92		< 0.92		NA	NA	< 0.92		NA
bis(2-Chloroethyl) ether	< 1		< 1		NA	NA	< 1		NA
bis(2-Chloroisopropyl) ether	< 0.95		< 0.95		NA	NA	< 0.95		NA
bis(2-Ethylhexyl)phthalate	< 0.79		< 0.79		NA	NA	< 0.79		NA
Butylbenzylphthalate	< 0.79		< 0.79		NA	NA	< 0.79		NA
Chrysene	< 0.21		< 0.21		NA	NA	< 0.21		NA
Di-n-butylphthalate	< 0.75		< 0.75		NA	NA	< 0.75		NA
Di-n-octylphthalate	< 0.66		< 0.66		NA	NA	< 0.66		NA
Dibenz(a,h)anthracene	< 0.55		< 0.55		NA	NA	< 0.55		NA
Dibenzofuran	< 0.89		< 0.89		NA	NA	< 0.89		NA
Diethylphthalate	< 0.58		< 0.58		NA	NA	< 0.58		NA
Dimethylphthalate	< 0.76		< 0.76		NA	NA	< 0.76		NA
Fluoranthene	< 0.21		< 0.21		NA	NA	< 0.21		NA
Fluorene	< 0.21		< 0.21		NA	NA	< 0.21		NA
Hexachloro-1,3-butadiene	< 0.94		< 0.94		NA	NA	< 0.94		NA

Table 2-6
Summary of Surface Water Analytical Data — 2013
Ardee/Translite
Shelby, North Carolina

Sample Location	SW-1	SW-2	SW-2-a	SW-3	SW-4	SW-1-c
Date Collected	10/21/13	10/21/13	10/21/13	10/21/13	10/21/13	10/21/13
Laboratory Sample ID	92176819004	92176819003	92176819006	92176819005	92176819002	92176819001
SVOCs by Method 8270D (ug/L)						
Hexachlorobenzene	< 0.72	< 0.72	NA	NA	< 0.72	NA
Hexachlorocyclopentadiene	< 0.88	< 0.88	NA	NA	< 0.88	NA
Hexachloroethane	< 1.1	< 1.1	NA	NA	< 1.1	NA
Indeno(1,2,3-cd)pyrene	< 0.29	< 0.29	NA	NA	< 0.29	NA
Isophorone	< 0.89	< 0.89	NA	NA	< 0.89	NA
N-Nitroso-di-n-propylamine	< 0.99	< 0.99	NA	NA	< 0.99	NA
N-Nitrosodimethylamine	< 0.91	< 0.91	NA	NA	< 0.91	NA
N-Nitrosodiphenylamine	< 1	< 1	NA	NA	< 1	NA
Naphthalene	< 0.34	< 0.34	NA	NA	< 0.34	NA
Nitrobenzene	< 1.1	< 1.1	NA	NA	< 1.1	NA
Pentachlorophenol	< 4.6	< 4.6	NA	NA	< 4.6	NA
Phenanthrene	< 0.22	< 0.22	NA	NA	< 0.22	NA
Phenol	< 1.9	< 1.9	NA	NA	< 1.9	NA
Pyrene	< 0.19	< 0.19	NA	NA	< 0.19	NA
Metals by Method 6010C (mg/L)						
Aluminum	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	NA
Antimony	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Arsenic	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	NA
Barium	**0.112**	**0.111**	**0.111**	**0.11**	**0.108**	NA
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Calcium	**10.5**	**10.5**	**10.4**	**10.3**	**10.2**	NA
Chromium	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Cobalt	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Copper	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Iron	**0.243**	**0.215**	**0.214**	**0.231**	**0.28**	NA
Lead	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Magnesium	**2.63**	**2.61**	**2.6**	**2.57**	**2.57**	NA
Manganese	**0.0689**	**0.0679**	**0.0682**	**0.0756**	**0.081**	NA
Nickel	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Potassium	< 5	< 5	< 5	< 5	< 5	NA
Selenium	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	NA
Silver	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Sodium	**5.03**	**5.07**	< 5	< 5	**5.1**	NA
Thallium	< 0.0055	< 0.0055	< 0.0055	< 0.0055	< 0.0055	NA
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Zinc	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	NA
Mercury by Method 7470A (mg/L)						
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	NA

Notes:
Bold font and shading indicate the analyte was detected.
mg/L - milligrams per liter (parts per million)
NA - Not Analyzed
ug/L - micrograms per liter (parts per billion)
See Table 2-6 for explanation of data qualifiers

Table 2-7
Summary of Added Data Qualifiers
Ardee/Translite
Shelby, North Carolina

Modifier	Description
<	Indicates not detected at the reporting limit indicated.
"/"	Separates the laboratory added data qualifiers from the validation data qualifiers. The laboratory added data qualifiers precede the first "/". The result qualifiers follow the first "/", and the analysis qualifiers follow the second "/". The result qualifiers are a product of the data validation process, and the analysis qualifier defines the type of QC excursion.

Laboratory Data Qualifiers

Qualifier	Description
A+	The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones. Based upon method blank results, the laboratory feels the ketones in this sample are a result of that reaction.
B	Detected in the method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J	Estimated result < PQL and ≥ MDL.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N	Tentatively identified compound (TIC) based on mass spectral library search.
R1	RPD value was outside control limits.

Result Data Qualifiers

Qualifier	Description
B	The analyte was found in an associated blank as well as in the sample.
J	The analyte was positively identified. The quantitation is an estimation.
M	A matrix effect was present.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Table 2-7
Summary of Added Data Qualifiers
Ardee/Translite
Shelby, North Carolina

Analysis Data Qualifiers

Qualifier	Description
A	Percent different between the primary and duplicate sample exceeded the established criteria.
c	Laboratory control recovery below the established criteria.
D	Percent difference of matrix spike duplicate exceeded the established criteria.
K	An analyte was detected in the sample at a concentration less than or equal to five times the concentration detected in the associated method blank. Professional judgment must be used to determine if the detect is site-related.
m	Matrix spike recovery below established criteria.
M	Matrix spike recovery above established criteria.
V	Detected in the associated rinsate blank.
y	Cooler temperature greater than 4 degrees Celsius but less than 10 degrees Celsius.

TABLE 3-1
PROPOSED ADDITIONAL RI SOIL AND CONTINGENT SOIL GAS SAMPLING LOCATIONS
ARDEE/TRANSLITE
639 WASHBURN SWITCH ROAD
SHELBY, NORTH CAROLINA

Location/Area of Concern	Boring No.	Media	Boring Sample Depth Intervals (ft bgs)	NC Certified Laboratory Analyses			Field Screening Parameters			Comments
				VOCs Plus TICs (Method 8260)	SVOCs Plus TICs (Method 8270)	TAL Metals (Method 6010/7471)	TPLP Metals (Method 313)	PID Headspace	TO-15 Soil Gas	
Former Indoor Degreaser	SB-DG-1A	Soil	14-15, 20-21	X,X				X		All intervals for lab analysis
	SG-1	Soil Gas	Below Floor Slab					X	X	
	SG-2	Soil Gas	Below Floor Slab					X	X	See NCDENR Guidance
Former Outdoor 1,1,1-TCA AST (and maybe one sample is indoor)	SB-SA-21	Soil	0.5-1; 4-5, 9-10*	X		X (0-1.0 feet bgs)	X	X		TCLP test and analysis of leachate in metals will be conducted to compare soil samples exceeding PSRGs.
	SB-SA-22	Soil	0.5-1; 4-5, 9-10*	X				X		Only collect soil sample for lab analysis if PID reading > 20 ppm
	SB-SA-23	Soil	0.5-1; 4-5, 9-10*	X				X		Only collect soil sample for lab analysis if PID reading > 20 ppm
	SB-SA-24	Soil	0.5-1; 4-5, 9-10*	X				X		Only collect soil sample for lab analysis if PID reading > 20 ppm
	SB-SA-25	Soil	0.5-1; 4-5, 9-10*	X				X		Only collect soil sample for lab analysis if PID reading > 20 ppm
	SB-SA-26	Soil	0.5-1; 4-5, 9-10*	X				X		Only collect soil sample for lab analysis if PID reading > 20 ppm
Former Septic Tank Area	MW-7B	Soil	0-1.0			X	X			
Well MW-9 Area	MW-9A	Soil	0-1.0			X	X			
Former Indoor TCE Drum Storage Area/Former Outdoor Paint Burn Area	SG-3 (Contingent)	Soil Gas	Below Floor Slab if Inside or 5-10 feet bgs if outside						X	
Background Area Between Wells MW-6 and TW-5	SG-3 (Contingent)	Soil Gas	5-10 feet bgs per NCDENR Guidance						X	
			Total No. of Primary Samples	Maximum of 8	0	3	3			
QA/QC Samples	Duplicate (SB-SA-21): VOCs Duplicate MW-7B: metals Duplicate SG-1: Soil Gas			1		1	0		1	
	Equipment Blank			1		0	0			
	Trip Blank			1					1	
	MS/MSD (no site-specific samples)			)		0	0			
			Total No. of Samples + QA/QC	Maximum of 11	0	4	3		6	Point SG-3 is contingent: waiting on NCDENR to screen our Groundawter data

* If VOC-impacted soils are detected with PID at deepest interval, further depths should be penetrated; collect soil sample at highest PID reading, unless <20ppm, then no sample.

bgs - Below ground surface
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
TAL - Target Analyte :List <(Metals)
TICs - Tentatively Identified Compounds

TABLE 3-2
PROPOSED ADDITIONAL RI GROUNDWATER SAMPLING LOCATIONS
ARDEE/TRANSLITE
639 WASHBURN SWITCH ROAD
SHELBY, NORTH CAROLINA

Location/Area of Concern	New Well or New Location ID	General Location of New Well	NC Certified Laboratory Analyses					Field Screening and Analysis		Comments
			VOCs Plus TICs (Method 8260)	SVOCs Plus TICs (Method 8270)	TAL Metals (Method 6010/7471)	Hexavalent Chromium (Method 3500)	1,4-Dioxane (Method 8260 SIM)	Field Screening and Geochemistry	Field Parameters and Indicators	
Former Indoor Degreaser	MW-12	Adjacent to former soil boring SB-DG-2 in the former degreaser pit	X				X		X	
Downgradient of Former Outdoor 1,1,1-TCA AST and Off-Site	MW-14	Off-site upper saprolite well on adjacent parcel	X				X		X	Need access agreement with adjacent property owner.
	MW-15	Off-site upper saprolite well on adjacent parcel	X				X		X	Need access agreement with adjacent property owner.
	Contingent MW-11D (either this or 14D and/or 15D)	On-site lower saprolite or bedrock well on adjacent parcel	X				X		X	Contingent on finding a rig to access soft areas and install deep saprolite or bedrock well
	Contingent MW-14D	Off-site lower saprolite or bedrock well on adjacent parcel	X				X		X	Contingent on finding a rig to access soft areas and install deep saprolite or bedrock well
	Contingent MW-15D	Off-site lower saprolite or bedrock well on adjacent parcel	X				X		X	Contingent on finding a rig to access soft areas and install deep saprolite or bedrock well
Former Septic Tank Area and Potential Plume Coming Onto the Property	MW-16	To the east of well MW-10 in upper saprolite, to further evaluate PCE plume coming onto the property.	X						X	On site
Area at and/or Downgradient of Well MW-9	MW-13	On site near property line in the wooded area	X				X			On site
	Contingent MW-13D (either this or 9D)	On-site lower saprolite or bedrock well on property	X				X			On site
	Contingent MW-9D (either this or 13D)	On-site lower saprolite or bedrock well on property	X				X			On site
Former Indoor TCE Drum Storage Area/Former Outdoor Paint Burn Area	None: No longer an APC									
Existing Wells	None additional at this time									
		Total No. of Primary Samples	5 to 7	0	0	0	5 to 7			
QA/QC Samples	Duplicate		X				X			
	Equipment Blank		X							
	Trip Blank		X							
	MS/MSD		X							
		Total No. of Samples + QA/QC	9 to 11	0	0	0	6 to 8			

* If VOC-impacted soils are detected with PID at deepest interval, further depths should be penetrated.
bgs - Below ground surface
DG - Downgradient
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
TAL - Target Analyte :List <(Metals)
TICs - Tentatively Identified Compounds