

AECOM Technical Services of North Carolina, Inc. 701 Corporate Center Drive, Suite 475, Raleigh, North Carolina 27607 T 919.854.6200 F 919.854.6259 www.aecom.com

March 20, 2012

Mr. Terry Fox, LG North Carolina Department of Transportation Geotechnical Engineering Unit 1589 Mail Service Center Raleigh, North Carolina 27699-1589

Reference: Preliminary Site Assessment Barbara Huskins Property (Parcel #118) Route 1, Box 251, US 19E Spruce Pine, Mitchell County, North Carolina NCDOT Tip No. R-2519B WBS Element 35609.1.1 AECOM Project No. 60241470

Dear Mr. Fox:

AECOM Technical Services of North Carolina, Inc., (AECOM) has completed the Preliminary Site Assessment conducted at the above-referenced property. The work was performed in accordance with the Technical and Cost proposal dated January 12, 2012, and the North Carolina Department of Transportation's (NCDOT's) Notice to Proceed dated January 18, 2012. Activities associated with the assessment consisted of conducting a geophysical investigation, collecting soil samples for laboratory analysis, and reviewing applicable North Carolina Department of Environment and Natural Resources (NCDENR) records. The purpose of this report is to document the field activities, present the laboratory analyses, and provide recommendations regarding the property.

Location and Description

The Barbara Huskins Property (Parcel #118) is located at Route 1, Box 251, US 19E in Spruce Pine, Mitchell County, North Carolina. The property is situated on the north side of US 19E and approximately 250 feet west of the intersection of US 19E and Windy Cove Lane (Figure 1). Based on information supplied by the NCDOT and the site visit, AECOM understands that the site is a former car wash and "dollar" gas station where three underground storage tanks (USTs) were reportedly operated and subsequently removed in 1986. These USTs included three 4,000-gallon gasoline tanks. According to a neighboring landowner, the USTs were located in a grassy area about 100 feet east of the car wash. The structure on the site consists of a single-story block building with three wash bays. A former dispenser island is located on the easternmost side of the site and is partially on the adjacent property, although the dispenser island appears to be in the existing right-of-way. No USTS are located on the site, but the former USTs associated with the former dispenser island were located on the adjacent property and within the existing right-

Mr. Terry Fox March 20, 2012 Page 2

of-way. An asphalt parking area and driveway surround the car wash (Figure 2). The NCDOT has advised that the proposed right-of-way will affect the building, former dispenser island, and former UST area. (The former UST area has been assessed and submitted under separate cover.) The former dispenser island and associated USTs on the right-of-way created an area of potential environmental concern and the NCDOT requested a Preliminary Site Assessment. The scope of work as defined in the Request for Technical and Cost Proposal was to evaluate the existing right-of-way with respect to the presence of known and unknown USTs and assess where contamination may exist on the right-of-way. If present, an estimate of the quantity of impacted soil was to be provided.

AECOM reviewed the on-line NCDENR Incident Management database and no Incident Number has been assigned to the property. AECOM also examined the UST registration database to obtain UST ownership information. As noted previously, three USTs were operated and removed from the site under Facility ID 0-020173. The database lists the operator and owner of the tanks as follows:

Owner Barbara Huskins Route 1, Box 251/US 19E Spruce Pine, NC 28777 Operator Ridgeway Car Wash Route 1, Box 251/US 19E Spruce Pine, NC 28777

Geophysical Survey

Prior to AECOM's mobilization to the site, Pyramid Environmental conducted a geophysical survey as part of this project to evaluate if USTs were present on the right-of-way/easement. The geophysical survey consisted of an electromagnetic survey using a Geonics EM61 time-domain electromagnetic induction meter to locate buried metallic objects, specifically USTs. Pyramid laid out a survey grid at the property with the X-axis oriented approximately parallel to US 19E and the Y-axis oriented approximately perpendicular to US 19E. The grid was located to cover the accessible portions of the right-of-way. The survey lines were spaced 5 feet apart. A data logger collected magnetic data continuously along each survey line. After collection, the data was reviewed in the field with graphical computer software. Following the electromagnetic survey, a ground penetrating radar (GPR) survey was conducted where needed to further evaluate any significant metallic anomalies.

Access was available to all areas of the proposed right-of-way and the geophysical survey detected several anomalies. Data interpretation attributed all of these anomalies to buried utility lines, conduits, or miscellaneous metallic debris. Attachment A presents a detailed report of findings and interpretations.



Mr. Terry Fox March 20, 2012 Page 3

Site Assessment Activities

On February 21, 2012, AECOM mobilized to the site to conduct a Geoprobe[®] direct push investigation to evaluate soil conditions within the proposed right-of-way. Continuous sampling using direct push technology (Regional Probing of Wake Forest, North Carolina) resulted in generally good recovery of soil samples from the direct-push holes. Soil samples were collected and contained in acetate sleeves inside the direct push sampler. Each of these sleeves was divided into 2-foot long sections for soil sample screening. Each 2-foot interval was placed in a resealable plastic bag and the bag was set aside for a sufficient amount of time to allow volatilization of organic compounds from the soil to the bag headspace. The probe of a flame ionization detector/photo ionization detector (FID/PID) was inserted into the bag and the reading was recorded. After terminating the sample hole, the soil sample from the depth interval with the highest FID/PID reading was submitted for analysis to Pace Analytical in Asheville, North Carolina, using standard chain-of-custody procedures. The laboratory analyzed the soil samples for total petroleum hydrocarbons (TPH) in the diesel range organics (DRO) and gasoline range organics (GRO).

Five direct-push holes (HU-1 through HU-5) were advanced within the proposed right-of-way to a depth of 15 feet as shown in Figure 2 and Attachment B. Borings HU-1 through HU-3 were located to evaluate the conditions surrounding the car was building and borings HU-4 and HU-5 were placed to assess the soil conditions at the former dispenser island (Attachment C). The lithology encountered by the direct-push samples generally was consistent throughout the site. About 4 inches of asphalt and gravel covered the ground surface. Below the surface to a depth of about 10 feet was a medium brown, micaceous, stiff silt/clay. Under this material was a light brown to yellow, micaceous, silty sand with occasional quartz fragments. None of the borings encountered bedrock.

The "Geologic Map of North Carolina" dated 1985 indicates that the Alligator Formation underlies the site. This formation consists of amphibolites and gneiss. The amphibolite is described as equigranular, massive to well foliated, metamorphosed intrusive and extrusive mafic rock. The gneiss is a finely laminated to thinly layered and locally contains massive gneiss and micaceous granule conglomerate. In addition to these rock types, quartz diorite intrusions are common in the area. The soil observed at the site is consistent with these parent rocks. The borings were terminated at a depth of 15 feet. No groundwater was observed in any of the borings. Based on field screening, soil samples were submitted for laboratory analyses, which are summarized in Table 1. Following completion, each boring was backfilled in accordance with 15A NCAC 2C.

Analytical Results

Based on the soil laboratory reports, summarized in Table 1 and presented in Attachment D, no petroleum hydrocarbon compounds identified as DRO and/or GRO were detected in any of the



Mr. Terry Fox March 20, 2012 Page 4

five soil samples collected from the site on February 21, 2012. Consequently, no soil concentrations are present above applicable action levels.

Conclusions and Recommendations

A Preliminary Site Assessment was conducted to evaluate the Barbara Huskins Property (Parcel 118) located at Route 1, Box 251/US 19E in Spruce Pine, Mitchell County, North Carolina. A geophysical investigation was conducted to evaluate the site for unknown USTs. The investigation found no evidence of metallic USTs within the proposed right-of-way. Five soil borings were advanced to evaluate the soil conditions throughout the proposed right-of-way. The laboratory reports of the soil samples from these borings suggest that no DRO or GRO concentrations were detected. Consequently, no soil concentrations are above applicable action levels.

AECOM appreciates the opportunity to work with the NCDOT on this project. Because laboratory analysis detected no compounds above the applicable action levels in the soil samples, no NCDENR notification is required. If you have any questions, please contact me at (919) 854-6238.

Sincerely,

Michael W. Branson, P.G. Project Manager

Attachments

c: Project File





TABLE 1

SOIL FIELD SCREENING AND ANALYTICAL RESULTS BARBARA HUSKINS PROPERTY (PARCEL #118) SPRUCE PINE, MITCHELL COUNTY, NORTH CAROLINA NCDOT PROJECT NO. R-2519B WBS ELEMENT 35609.1.1 AECOM PROJECT NO. 60241470

LOCATION	DEPTH (ft)	FID READING (ppm)	SAMPLE ID	ANALYTICAL RESULTS (mg/kg)	ASSUMED ACTION LEVEL (mg/kg)
HU-1	0 - 2	1.34			
	2 - 4	2.32	HU-1	DRO (BQL) GRO (BQL)	10 10
	4 - 6	1.35			10
	6 - 8	1.37			
	8 - 10	0.53			
	10 - 12	0.88			
	12 - 14	0.43			
	14 - 15	0.06			
HU-2	0 - 2	0.44			
	2 - 4	0.47			
	4 - 6	0.21			
	6 - 8	0.46			
	8 - 10	0.82			
	10 - 12	1.36	HU-2	DRO (BQL) GRO (BQL)	10 10
	12 - 14	0.66			
	14 - 15	1.24			
HU-3	0 - 2	0.37			
	2 - 4	0.72			
	4 - 6	0.01			
	6 - 8	0.94			
	8 - 10	1.12			
	10 - 12	1.62			
	12 - 14	1.29			
	14 - 15	1.78	HU-3	DRO (BQL) GRO (BQL)	10 10
HU-4	0 - 2	0.25			
	2 - 4	1.25			
	4 - 6	0.32			
	6 - 8	1.01			
	8 - 10	1.95			
	10 - 12	4.37	HU-4	DRO (BQL) GRO (BQL)	10 10
	12 - 14	3.23			
	14 - 15	3.73			
HU-5	0 - 2	2.68			
	2 - 4	2.69			
	4 - 6	2.37			
	6 - 8	3.23			
	8 - 10	3.31	HU-4	DRO (BQL) GRO (BQL)	10 10
	10 - 12	2.62			
	12 - 14	2.69			
	14 - 16	2.62			

Soil samples were collected on February 21, 2012.

DRO - Diesel range organics.

GRO - Gasoline range organics.

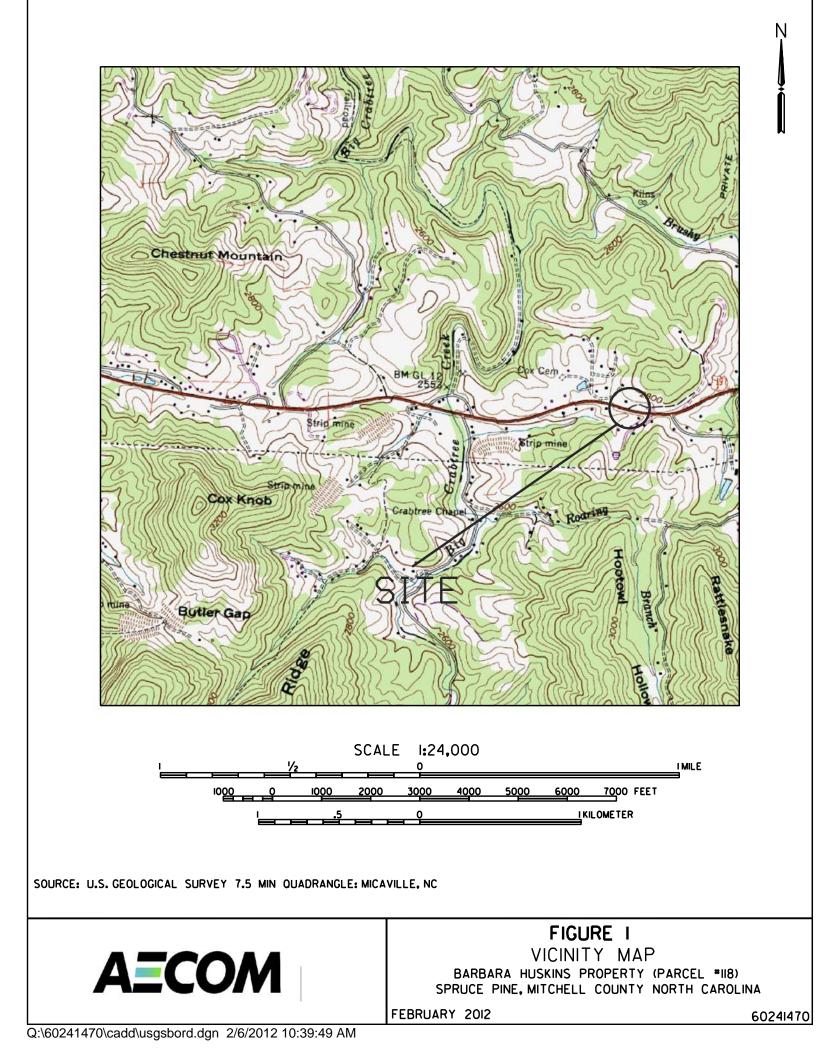
BQL - Below quantitation limit.

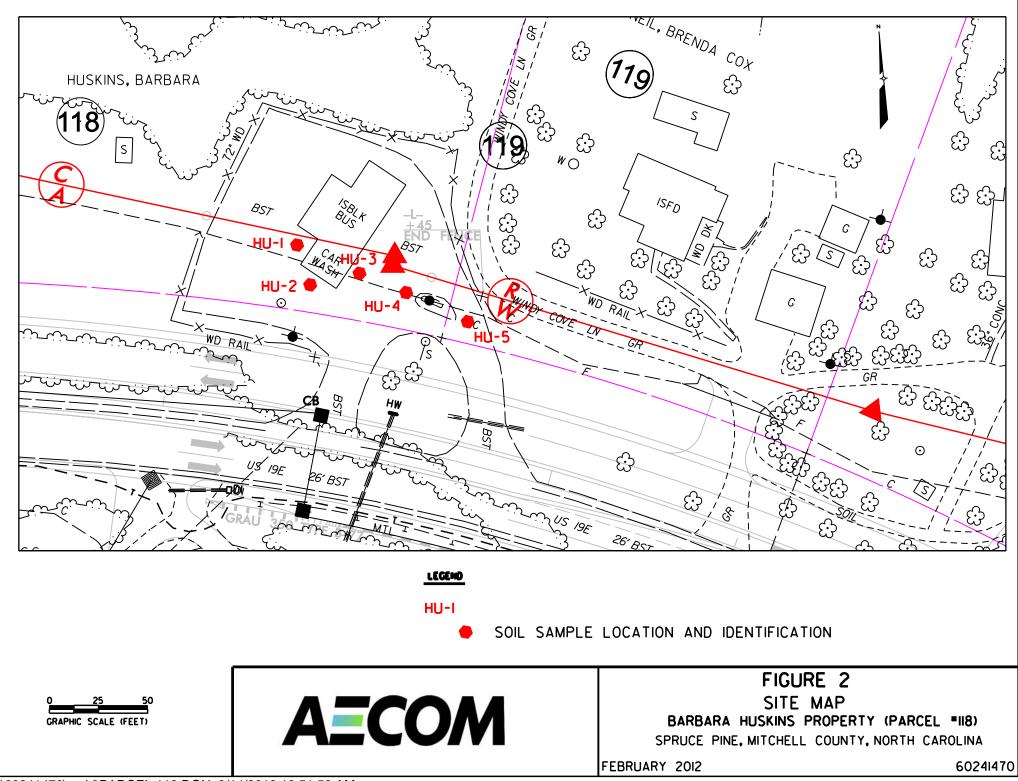
ppm - parts per million.

mg/kg - milligrams per kilogram.



FIGURES





ATTACHMENT A

Pyramid Project # 2012035

GEOPHYSICAL INVESTIGATION REPORT

EM61 & GPR SURVEYS

BARBARA HUSKINS PROPERTY - PARCEL 118 Windy Cove Drive & US Highway 19 East Mitchell County, North Carolina

February 28, 2012

Report prepared for:

Michael W. Branson, PG AECOM Environment 701 Corporate Center Drive, Suite 475 Raleigh, North Carolina 27607

Stemil

Mark J. Denil, P.G.

Reviewed by:

Prepared by:

Douglas Canavello, P.G.

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C. P.O. Box 16265 GREENSBORO, NC 27416-0265 (336) 335-3174

AECOM Environment GEOPHYSICAL INVESTIGATION REPORT BARBARA HUSKINS PROPERTY - PARCEL 118 Windy Cove Drive & US Highway 19 East Mitchell County, North Carolina

TABLE OF CONTENTS

PAGE

1.0	INTRODUCTION	1
2.0	FIELD METHODOLOGY	1
3.0	DISCUSSION OF RESULTS	2
4.0	SUMMARY & CONCLUSIONS	3
5.0	LIMITATIONS	4

FIGURES

Figure 1	Geophysical Equipment & Site Photographs
Figure 2	EM61 Metal Detection - Bottom Coil Results
Figure 3	EM61 Metal Detection - Differential Results

1.0 INTRODUCTION

Pyramid Environmental conducted a geophysical investigation for AECOM Environmental across the proposed right-of way (ROW) area of the Barbara Huskins property (Parcel 118) located near the intersection of Windy Cove Drive and US Highway 19 East in Mitchell County, North Carolina. Conducted on February 8 and 15, 2012, the geophysical investigation was performed as part of the North Carolina Department of Transportation (NCDOT) preliminary site assessment project to determine if unknown, metallic underground storage tanks (USTs) were present beneath the proposed ROW area of the site.

The Barbara Huskins property consists of an inactive car wash facility surrounded primarily by asphalt-covered terrain. The Brenda Cox McNeil property and an open lot are located along the eastern and western perimeters of the property, respectively. The proposed ROW area is located along the southern three-quarters of the property located between US Highway 19 East and the car wash building. The geophysical survey area had a maximum length and width of 195 feet and 120 feet, respectively

AECOM Environment representative Mr. Michael Branson, PG identified the geophysical survey area to Pyramid Environmental personnel and provided site maps showing the boundaries of the proposed survey area prior to conducting the investigation. Photographs of the geophysical equipment used in this investigation and the eastern portion of the property are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

Prior to conducting the geophysical investigation, a 10-foot by 10-foot survey grid was established across the accessible portions of the geophysical survey area using measuring tapes and water-based marking paint. These grid marks were used as X-Y coordinates for location control when collecting the geophysical data and establishing base maps for the geophysical results.

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys and ground penetrating radar (GPR) surveys. The EM survey was performed on February 8, 2012 using a Geonics EM61-MK1 metal detection instrument. According to the instrument specifications, the EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. Smaller objects (1-foot or less in size) can be detected to a maximum depth of 4 to 5 feet. All of the EM61 data were digitally collected at approximately 0.8 foot intervals along easterly-westerly trending, parallel survey lines spaced five feet apart. All of the data were downloaded to a computer and reviewed in the field and office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

GPR data were acquired on February 15, 2012 across selected EM61 differential anomalies and across the concrete floors of the car wash bays using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. GPR data were viewed in real time using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were viewed down to a maximum depth of approximately 5 feet, based on an estimated two-way travel time of 8 nanoseconds per foot.

Please note that an EM61 metal detection and GPR reconnaissance were also conducted along the northern portion of the property (beyond the limits of the site maps shown in this report). Within this recon area, data were viewed in real time but not saved for later review or processing.

Preliminary geophysical results obtained from the site were emailed to Mr. Branson during the week of February 20, 2012.

3.0 DISCUSSION OF RESULTS

Contour plots of the EM61 bottom coil and differential results are presented in **Figures 2 and 3**. The bottom coil results represent the most sensitive component of the EM61 instrument and detect metal objects regardless of size. The bottom coil response can be used to delineate metal conduits or utility lines, small, isolated metal objects, and areas containing insignificant metal debris. The differential

results are obtained from the difference between the top and bottom coils of the EM61 instrument. The differential results focus on the larger metal objects such as drum and UST-size objects and ignore the smaller insignificant metal objects.

GPR data suggest the large, high amplitude, EM61 anomaly centered near grid coordinates X=80 Y=110 is in response to the steel reinforced concrete floor, drain lines and walls of the car wash building. GPR data suggest the linear EM61 bottom coil anomaly intersecting grid coordinates X=120 Y=100 is in response to a buried line and the pump island area. The linear bottom coil anomaly intersecting grid coordinates X=138 Y=30 is probably in response to a culvert which runs beneath US Highway 19 East.

The EM61 anomalies centered near grid coordinates X=42 Y=72 and X=65 Y=68 are probably in response to vacuum pump stations. The EM61 anomalies centered near grid coordinates X=20 Y=13 and X=140 Y=70 are probably in response to mail boxes and a metal business sign, respectively. The remaining EM61 anomalies are probably in response to known surface objects or to insignificant buried debris.

The geophysical recon conducted across the northern portion of the site did not detect the presence of a metallic UST. The geophysical investigation and recon suggest that the proposed ROW area does not contain metallic USTs.

4.0 SUMMARY & CONCLUSIONS

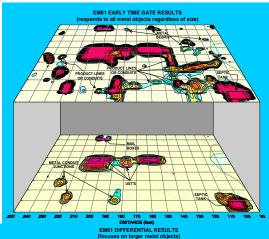
Our evaluation of the EM61 and GPR data collected across the proposed ROW area at the Barbara Huskins property located near the intersection of Windy Cove Drive and US Highway 19 East in Mitchell County, North Carolina, provides the following summary and conclusions:

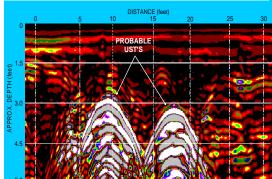
• The EM61 and GPR surveys provided reliable results for the detection of metallic USTs within the geophysical survey area.

- GPR data suggest the large, high amplitude, EM61 anomaly centered near grid coordinates X=80 Y=110 is in response to the steel reinforced concrete floor, drain lines and walls of the car wash building.
- GPR data suggest the linear EM61 bottom coil anomaly intersecting grid coordinates X=120
 Y=100 is in response to a buried line and the pump island area.
- The remaining EM61 metal detection anomalies are probably in response to known surface objects or to buried, insignificant metal objects or debris.
- The geophysical investigation suggests that the proposed ROW area does <u>not</u> contain metallic USTs.

5.0 LIMITATIONS

EM61 and GPR surveys have been performed and this report prepared for AECOM Environmental in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results obtained for this project have not conclusively determined that the proposed ROW area does not contain buried metallic USTs but that none were detected.

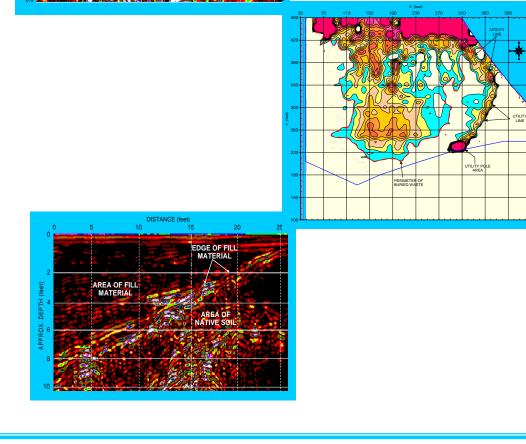




FIGURES

(on the following pages)

Figures shown on this page are for esthetic purposes only and are not related to the geophysical results discussed in this report.





The photograph shows the Geonics EM61 metal detector that was used to conduct the metal detection survey across the proposed ROW area at the Huskins property on February 8, 2012.



The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at the Huskins property on February 15, 2012.

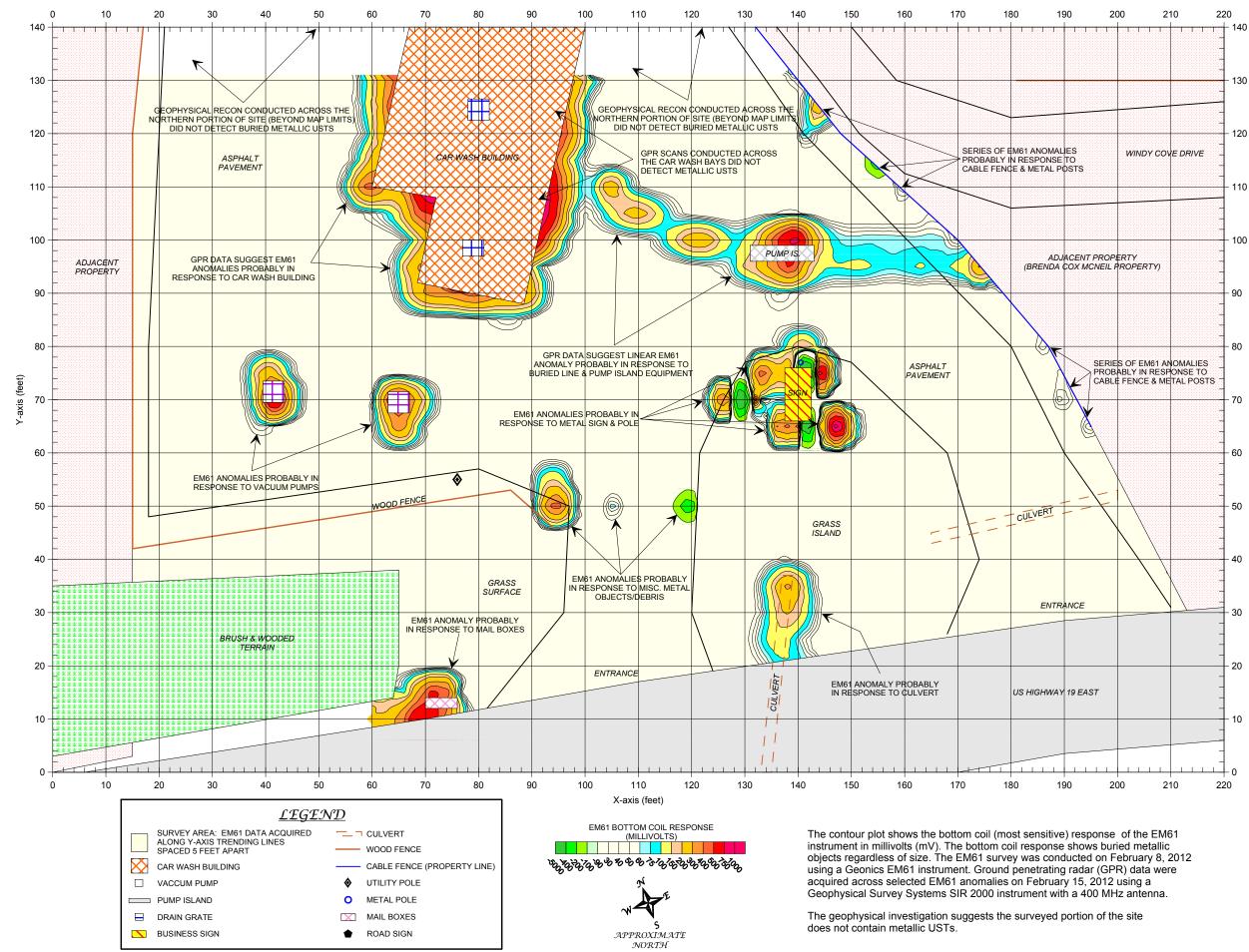


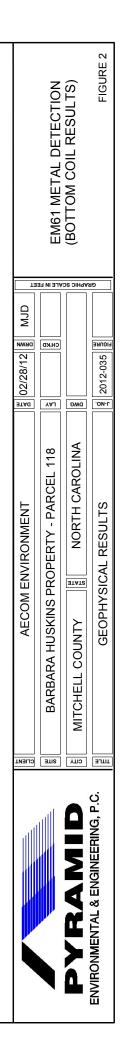
The photograph shows the Barbara Huskins property (Parcel 118) located near the intersection of US 19E and Windy Cove Drive in Mitchell County, North Carolina. The photograph is viewed in a westerly direction.

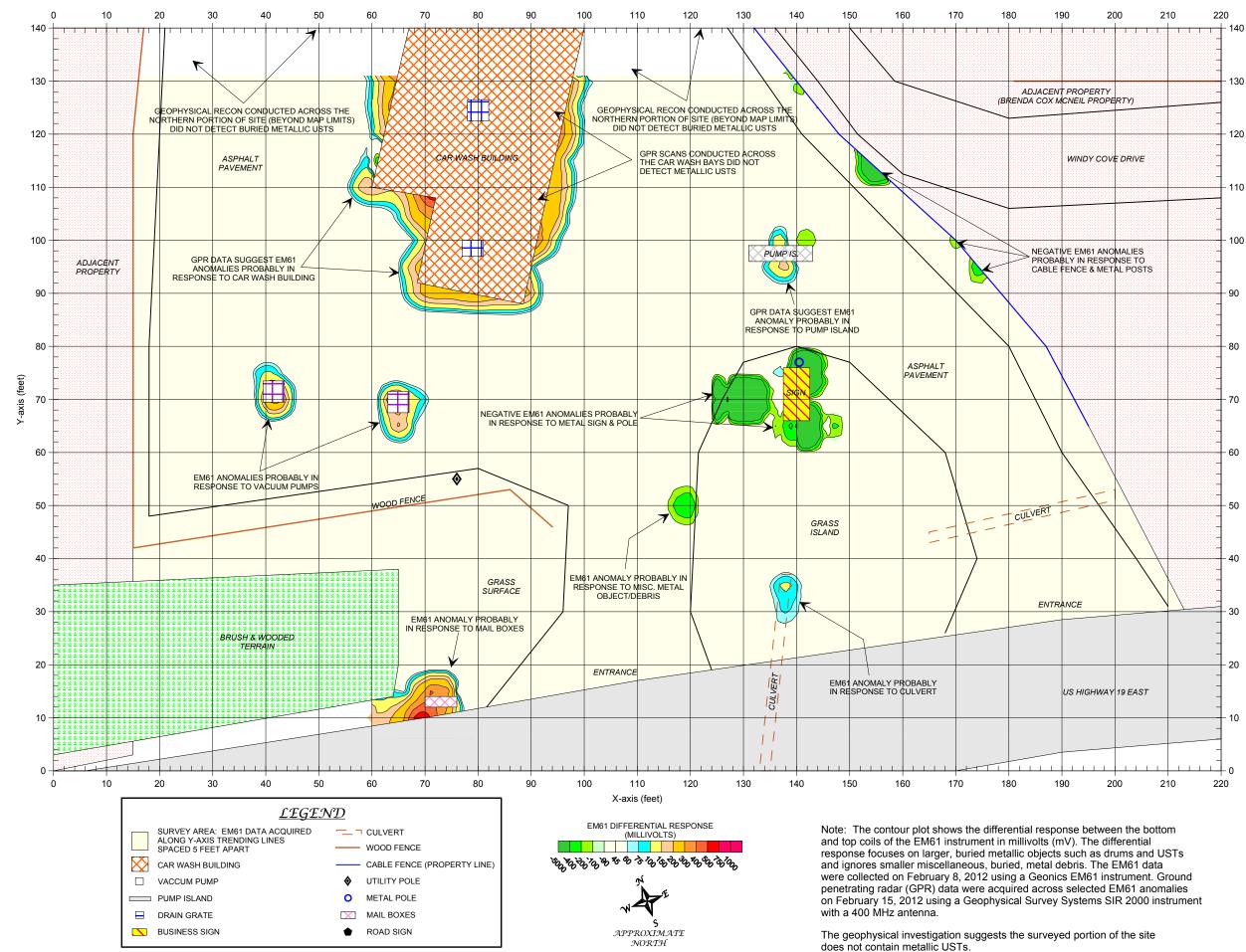


CLIENT	AECOM ENVIRONMENT						
SITE	BARBARA HUSKINS PROPERTY - PARCEL 118	CHYD					
сЦ		DWG					
TITLE	GEOPHYSICAL RESULTS	Nr 2012-035					

GEOPHYSICAL EQUIPMENT & SITE PHOTOGRAPHS









ATTACHMENT B

PROJECT BARBARA HUSKINS PROPERTY (PARCEL #118)

CLIENT NCDOT R-2519B

PROJECT NUMBER 60241470

CONTRACTOR REGIONAL PROBING

BORING NUMBER	HU-1
PAGE 1	
ELEVATION	
DATE 2/21/12	
DRILLER OPPER	
PREPARED BY	BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			1.34		4" ASPHALT/GRAVEL, REDDISH BROWN, SILT/CLAY, STIFF. DRY, NO ODORS.
			2.32		AS ABOVE. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
5.0			1.35		AS ABOVE. DRY. NO ODORS.
			1.37		AS ABOVE. DRY. NO ODORS.
			0.53		AS ABOVE. DRY. NO ODORS.
10.0			0.88		MOTTLED RED, BROWN, WHITE, AND BLACK MICACEOUS SILT/SAND. DRY. NO ODORS.
		,	0.43		AS ABOVE. DRY. NO ODORS.
15.0			0.06		AS ABOVE. DRY. NO ODORS.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					



PROJECT BARBARA HUSKINS PROPERTY (PARCEL #118)

CLIENT NCDOT R-2519B

PROJECT NUMBER 60241470

CONTRACTOR REGIONAL PROBING

BORING NUMBER	HU-2
PAGE 1	
ELEVATION	
DATE 2/21/12	
DRILLER OPPER	
PREPARED BY	BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			0.44		4" ASPHALT/GRAVEL, MEDIUM TO REDDISH BROWN SILT /CLAY, STIFF. DRY, NO ODORS.
			0.47		AS ABOVE. DRY. NO ODORS.
5.0			0.21		AS ABOVE. DRY. NO ODORS.
			0.46		AS ABOVE. DRY. NO ODORS.
			0.82		AS ABOVE. DRY. NO ODORS.
10.0			1.36		LIGHT BROWN TO YELLOW, MICACEOUS, SILTY SAND, OCCASIONAL QUARTZ FRAGMENT. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
			0.66		AS ABOVE. DRY. NO ODORS.
15.0			1.24		AS ABOVE. DRY. NO ODORS.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					



PROJECT BARBARA HUSKINS PROPERTY (PARCEL #118)

CLIENT NCDOT R-2519B

PROJECT NUMBER 60241470

CONTRACTOR REGIONAL PROBING

BORING NUMBER	HU-3
PAGE 1	
ELEVATION	
DATE 2/21/12	
DRILLER OPPER	
PREPARED BY	BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			0.37		4" ASPHALT/GRAVEL, MEDIUM TO REDDISH BROWN SILT /CLAY, STIFF. DRY, NO ODORS.
			0.72		AS ABOVE. DRY. NO ODORS.
5.0			0.01		AS ABOVE. DRY. NO ODORS.
			0.94		AS ABOVE. DRY. NO ODORS.
			1.12		AS ABOVE. DRY. NO ODORS.
10.0			1.62		LIGHT BROWN TO YELLOW, MICACEOUS, SILTY SAND, OCCASIONAL QUARTZ FRAGMENT. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
			1.29		AS ABOVE. DRY. NO ODORS.
15.0			1.78		AS ABOVE. DRY. NO ODORS.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					



PROJECT BARBARA HUSKINS PROPERTY (PARCEL #118)

CLIENT NCDOT R-2519B

PROJECT NUMBER 60241470

CONTRACTOR REGIONAL PROBING

BORING NUMBER	<u>HU-4</u>
PAGE 1	
ELEVATION	
DATE 2/21/12	
DRILLER OPPER	
PREPARED BY	BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	1001		0.25	RAINOL	4" ASPHALT/GRAVEL, MEDIUM TO REDDISH BROWN SILT /CLAY, STIFF. DRY, NO ODORS.
			1.25		AS ABOVE. DRY. NO ODORS.
5.0			0.32		AS ABOVE. DRY. NO ODORS.
			1.01		AS ABOVE. DRY. NO ODORS.
			1.95		AS ABOVE. DRY. NO ODORS.
10.0			4.37		LIGHT BROWN TO YELLOW, MICACEOUS, SILTY SAND, OCCASIONAL QUARTZ FRAGMENT. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
			3.23		AS ABOVE. DRY. NO ODORS.
15.0			3.73		AS ABOVE. DRY. NO ODORS.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					



PROJECT BARBARA HUSKINS PROPERTY (PARCEL #118)

CLIENT NCDOT R-2519B

PROJECT NUMBER 60241470

CONTRACTOR REGIONAL PROBING

EQUIPMENT GEOPROBE

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			2.68		4" ASPHALT/GRAVEL, MEDIUM TO REDDISH BROWN SILT /CLAY, STIFF. DRY, NO ODORS.
			2.69		AS ABOVE. DRY. NO ODORS.
5.0			2.37		AS ABOVE. DRY. NO ODORS.
			3.23		AS ABOVE. DRY. NO ODORS.
			3.31		AS ABOVE. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
10.0			2.62		MEDIUM BROWN TO YELLOW, MICACEOUS, SILTY SAND, OCCASIONAL QUARTZ FRAGMENT. DRY. NO ODORS. SUBMIT TO LABORATORY FOR ANALYSIS.
			2.69		AS ABOVE. DRY. NO ODORS.
15.0			2.62		AS ABOVE. DRY. NO ODORS.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					



ATTACHMENT C



PHOTO I - BORING ON WEST SIDE OF CAR WASH LOOKING NORTHEAST



PHOTO 2 - BORING ON SOUTH SIDE OF CAR WASH LOOKING NORTHEAST



PHOTO 3 - BORING IN RIGHT-OF-WAY AT ANOMALY LOOKING NORTH

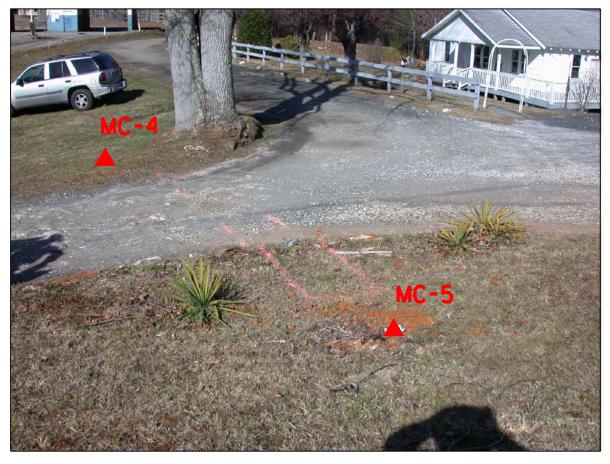


PHOTO 4 - BORINGS IN RIGHT-OF-WAY AT ANOMALY LOOKING WEST

ATTACHMENT D



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

March 01, 2012

Chemical Testing Engineer NCDOT Materials & Tests Unit 1801 Blue Ridge Road Raleigh, NC 27607

RE: Project: Huskins WBS#35609.1.1 Pace Project No.: 92112769

Dear Chemical Engineer:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Loni Patton

Lorri Patton

lorri.patton@pacelabs.com Project Manager

Enclosures

cc: Mr. Mike Branson, AECOM



REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

CERTIFICATIONS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078 North Carolina Drinking Water Certification #: 37706 North Carolina Field Services Certification #: 5342 North Carolina Wastewater Certification #: 12 South Carolina Certification #: 99006001 South Carolina Drinking Water Cert. #: 99006003 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104 Florida/NELAP Certification #: E87627 Kentucky UST Certification #: 84 Louisiana DHH Drinking Water # LA 100031 West Virginia Certification #: 357 Virginia/VELAP Certification #: 460144

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

SAMPLE ANALYTE COUNT

Project:	Huskins WBS#35609.1.1
Pace Project No .:	92112769

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92112769001	HU-1	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	AW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92112769002	HU-2	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	AW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92112769003	HU-3	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	AW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92112769004	HU-4	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	AW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92112769005	HU-5	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	AW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Sample: HU-1	Lab ID: 92112	769001	Collected:	02/21/1	2 13:45	Received: 02	2/23/12 11:55 N	Matrix: Solid	
Results reported on a "dry-weig	ht" basis								
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method	d: EPA 80	15 Modified	Prepara	ation Me	thod: EPA 3546			
Diesel Components Surrogates	ND mg/k	g		6.8	1	02/24/12 10:35	02/26/12 01:48	68334-30-5	
n-Pentacosane (S)	69 %			41-119	1	02/24/12 10:35	02/26/12 01:48	629-99-2	
Gasoline Range Organics	Analytical Method	d: EPA 80	15 Modified	Prepara	ation Me	thod: EPA 5035A	/5030B		
Gasoline Range Organics Surrogates	ND mg/k	g		8.2	1	02/28/12 17:35	02/29/12 02:53	8006-61-9	
4-Bromofluorobenzene (S)	92 %			70-167	1	02/28/12 17:35	02/29/12 02:53	460-00-4	
Percent Moisture	Analytical Method	d: ASTM I	D2974-87						
Percent Moisture	26.9 %			0.10	1		02/24/12 14:25		

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Sample: HU-2	Lab ID: 92112769002	Collected: 02/21/1	2 14:20	Received: 02	2/23/12 11:55 N	Matrix: Solid	
Results reported on a "dry-weigl	ht" basis						
Parameters	Results Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA	8015 Modified Prepara	ation Me	ethod: EPA 3546			
Diesel Components Surrogates	ND mg/kg	6.1	1	02/24/12 10:35	02/26/12 02:17	68334-30-5	
n-Pentacosane (S)	81 %	41-119	1	02/24/12 10:35	02/26/12 02:17	629-99-2	
Gasoline Range Organics	Analytical Method: EPA	8015 Modified Prepara	ation Me	ethod: EPA 5035A	V5030B		
Gasoline Range Organics Surrogates	ND mg/kg	6.1	1	02/28/12 17:35	02/29/12 03:17	8006-61-9	
4-Bromofluorobenzene (S)	93 %	70-167	1	02/28/12 17:35	02/29/12 03:17	460-00-4	
Percent Moisture	Analytical Method: AST	A D2974-87					
Percent Moisture	17.0 %	0.10	1		02/24/12 14:25		

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Sample: HU-3	Lab ID: 92112769	003 Collected: 02/2	1/12 14:4	5 Received: 02	2/23/12 11:55 N	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results L	Inits Report Lim	t DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: E	EPA 8015 Modified Pre	aration M	ethod: EPA 3546			
Diesel Components Surrogates	ND mg/kg	6	.6 1	02/24/12 10:35	02/26/12 02:17	68334-30-5	
n-Pentacosane (S)	78 %	41-1	91	02/24/12 10:35	02/26/12 02:17	629-99-2	
Gasoline Range Organics	Analytical Method: E	EPA 8015 Modified Prep	aration M	ethod: EPA 5035A	\/5030B		
Gasoline Range Organics Surrogates	ND mg/kg	6	.4 1	02/28/12 17:35	02/29/12 03:41	8006-61-9	
4-Bromofluorobenzene (S)	87 %	70-10	67 1	02/28/12 17:35	02/29/12 03:41	460-00-4	
Percent Moisture	Analytical Method: A	ASTM D2974-87					
Percent Moisture	25.8 %	0.	0 1		02/24/12 14:26		

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Sample: HU-4	Lab ID: 921127690	04 Collected: 02/21/	12 15:20	Received: 02	2/23/12 11:55 N	Matrix: Solid	
Results reported on a "dry-weig	ht" basis						
Parameters	Results Uni	ts Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EP	A 8015 Modified Prepar	ation Me	ethod: EPA 3546			
Diesel Components Surrogates	ND mg/kg	7.6	1	02/24/12 10:35	02/26/12 02:47	68334-30-5	
n-Pentacosane (S)	82 %	41-119	1	02/24/12 10:35	02/26/12 02:47	629-99-2	
Gasoline Range Organics	Analytical Method: EP	A 8015 Modified Prepar	ation Me	ethod: EPA 5035A	V5030B		
Gasoline Range Organics Surrogates	ND mg/kg	8.6	1	02/28/12 17:35	02/29/12 04:05	8006-61-9	
4-Bromofluorobenzene (S)	87 %	70-167	1	02/28/12 17:35	02/29/12 04:05	460-00-4	
Percent Moisture	Analytical Method: AS	TM D2974-87					
Percent Moisture	34.3 %	0.10	1		02/24/12 14:26		

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

Sample: HU-5	Lab ID: 92112	769005	Collected:	02/21/1	2 15:45	Received: 02	2/23/12 11:55 N	Aatrix: Solid	
Results reported on a "dry-weigl	ht" basis								
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Metho	d: EPA 80	015 Modified	Prepara	ation Me	ethod: EPA 3546			
Diesel Components Surrogates	ND mg/k	kg		7.6	1	02/24/12 10:35	02/26/12 02:47	68334-30-5	
n-Pentacosane (S)	73 %			41-119	1	02/24/12 10:35	02/26/12 02:47	629-99-2	
Gasoline Range Organics	Analytical Metho	d: EPA 80	015 Modified	Prepara	ation Me	ethod: EPA 5035A	/5030B		
Gasoline Range Organics <i>Surrogates</i>	ND mg/k	kg		8.2	1	02/28/12 17:35	02/29/12 04:30	8006-61-9	
4-Bromofluorobenzene (S)	85 %			70-167	1	02/28/12 17:35	02/29/12 04:30	460-00-4	
Percent Moisture	Analytical Metho	d: ASTM	D2974-87						
Percent Moisture	34.9 %			0.10	1		02/24/12 14:26		

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176

QUALITY CONTROL DATA

	skins WBS#3 112769	5609.1.1										
QC Batch: G	CV/5777			Analys	is Method:	E	PA 8015 Mc	dified				
QC Batch Method: E	PA 5035A/50	30B			is Descript		Basoline Rar	nge Organie	cs			
Associated Lab Sample	s: 9211276	69001, 92	112769002,	921127690	003, 92112		2112769005					
METHOD BLANK: 72	3539			N	Aatrix: Sol	d						
Associated Lab Sample	s: 9211276	69001, 92	112769002,	921127690	003, 92112	769004, 9	2112769005					
				Blank	R	eporting						
Paramete	r		Units	Resul	t	Limit	Analyz	ed	Qualifiers			
Gasoline Range Organi	CS	mg/kg			ND	5.9	02/29/12	00:02				
4-Bromofluorobenzene	(S)	%			88	70-167	02/29/12	00:02				
LABORATORY CONTR	OL SAMPLE:	72854	0									
	010/00/00	. 200 .	•	Spike	LCS	5	LCS	% Red	c			
Paramete	r		Units	Conc.	Resu		% Rec	Limits		ualifiers		
Gasoline Range Organi	CS	mg/kg		24.5		24.0	98	70)-165		-	
4-Bromofluorobenzene		%					89	70)-167			
MATRIX SPIKE & MAT		JPLICATE	E: 72854 ²	1		728542						
				MS	MSD							
		921	12768003	Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter		Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Gasoline Range Organi 4-Bromofluorobenzene		g/kg	ND	27.6	27.6	32.1	32.4	116 91	117 89	47-187 70-167	1	

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176

QUALITY CONTROL DATA

	Huskins WBS#35 92112769	609.1.1										
QC Batch:	OEXT/16538			Analysi	s Method:	E	PA 8015 Mo	dified				
QC Batch Method:	EPA 3546			-	s Descript		015 Solid G	CSV				
Associated Lab Sam	ples: 92112769	9001, 9211	2769002,	921127690	03, 92112	769004, 92	2112769005					
METHOD BLANK:	726961			M	latrix: Soli	id						
Associated Lab Sam	ples: 92112769	9001, 9211	2769002,	921127690	03, 92112	769004, 92	2112769005					
				Blank	R	eporting						
Param	eter	Ur	nits	Result		Limit	Analyz	ed	Qualifiers			
Diesel Components		mg/kg			ND	5.0	02/25/12	21:22				
n-Pentacosane (S)		%			88	41-119	02/25/12	21:22				
LABORATORY CON	TROL SAMPLE:	726962										
LABORATORY CON	TROL SAMPLE:	726962		Spike	LCS	;	LCS	% Rec	;			
LABORATORY CON Param			nits	Spike Conc.	LCS Resu		LCS % Rec	% Rec		ualifiers		
			nits	•				Limits		qualifiers		
Param		Ur	nits	Conc.		llt	% Rec	Limits	C	lualifiers		
Param Diesel Components	eter	Ur mg/kg %	nits 726963	Conc. 66.7		llt	% Rec 72	Limits	-113 C	tualifiers		
Param Diesel Components n-Pentacosane (S)	eter	Ur mg/kg %		Conc. 66.7		47.9	% Rec 72	Limits	-113 C	Qualifiers		
Param Diesel Components n-Pentacosane (S)	eter	Ur mg/kg % PLICATE:		Conc. 66.7	Resu	47.9	% Rec 72	Limits	-113 C	eualifiers % Rec		
Param Diesel Components n-Pentacosane (S)	eter ATRIX SPIKE DU	Ur mg/kg % PLICATE: 92112	726963	Conc. 66.7 3 MS	Resu	1lt 47.9 726964	% Rec 72 77	Limits 49 41	-113 -113 -119		RPD	Qual
Param Diesel Components n-Pentacosane (S) MATRIX SPIKE & M/	eter ATRIX SPIKE DU	Ur mg/kg % PLICATE: 92112 Units	726963	Conc. 66.7 MS Spike	Resu MSD Spike	lt 47.9 726964 MS	% Rec 72 77 MSD	Limits 49 41 MS	G 0-113 1-119 MSD	% Rec Limits	RPD 17	Qual

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176

QUALITY CONTROL DATA

Project:	Huskins WBS#35	5609.1.1					
Pace Project No .:	92112769						
QC Batch:	PMST/4518		Analysis Meth	od:	ASTM D2974-8	7	
QC Batch Method:	ASTM D2974-8	7	Analysis Desc	ription:	Dry Weight/Perc	cent Moisture	
Associated Lab Sam	nples: 9211276	9001, 921127690	02, 92112769003, 92 [.]	112769004, 9	2112769005		
SAMPLE DUPLICAT	TE: 726838						
			92112768006	Dup			
Param	neter	Units	Result	Result	RPD	Qualifiers	
Percent Moisture		%	24.6	25.	2	3	
SAMPLE DUPLICAT	FE: 726839						
_			92112772009	Dup			
Param	neter	Units	Result	Result	RPD	Qualifiers	
Percent Moisture		%	16.9	16.	7	1	

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

QUALIFIERS

Project: Huskins WBS#35609.1.1

Pace Project No.: 92112769

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Huskins WBS#35609.1.1 Pace Project No.: 92112769

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92112769001	 HU-1	 EPA 3546	OEXT/16538	EPA 8015 Modified	GCSV/11447
92112769002	HU-2	EPA 3546	OEXT/16538	EPA 8015 Modified	GCSV/11447
92112769003	HU-3	EPA 3546	OEXT/16538	EPA 8015 Modified	GCSV/11447
92112769004	HU-4	EPA 3546	OEXT/16538	EPA 8015 Modified	GCSV/11447
92112769005	HU-5	EPA 3546	OEXT/16538	EPA 8015 Modified	GCSV/11447
92112769001	HU-1	EPA 5035A/5030B	GCV/5777	EPA 8015 Modified	GCV/5778
92112769002	HU-2	EPA 5035A/5030B	GCV/5777	EPA 8015 Modified	GCV/5778
92112769003	HU-3	EPA 5035A/5030B	GCV/5777	EPA 8015 Modified	GCV/5778
92112769004	HU-4	EPA 5035A/5030B	GCV/5777	EPA 8015 Modified	GCV/5778
92112769005	HU-5	EPA 5035A/5030B	GCV/5777	EPA 8015 Modified	GCV/5778
92112769001	HU-1	ASTM D2974-87	PMST/4518		
92112769002	HU-2	ASTM D2974-87	PMST/4518		
92112769003	HU-3	ASTM D2974-87	PMST/4518		
92112769004	HU-4	ASTM D2974-87	PMST/4518		
92112769005	HU-5	ASTM D2974-87	PMST/4518		

REPORT OF LABORATORY ANALYSIS

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							ADDITIONAL COMMENTS								Hu-S				P-1-1	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Section D Required Client Information		Requested Due Date/TAT	P198546238 F9/8854625	Ň.	Kaleigh NC 27607	Address of Carpornite Carter De	Company: AECom	Section A Required Client Information:
		ORIGINAL																		Water Waster Product Soll/Solid Oil Wipe Air Tissue Other	Matrix Codes MATRIX / CODE		Pro	7	_		l.	Re	R
		NAL	-		Mi	M														OTSR\$₽₽\$₽\$	ы Морологи С		Project Number:	Project Name:	Purchase Order No.:		Copy To:	Report To:	Section B Required Project Information:
		-			A	112	RELI					- 1 1			56	Sc	sc	ŚC	8	MATRIX CODE (see valid codes t	to left)		mber:	me:	Order I				B Projec
					1	3	NQUIS			- 19 					N	4	8			SAMPLE TYPE (G=GRAB C=CC	OMP)			F				m 14	t Infor
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	_	SAMPLER			12	301-	AFFILIATIO						-		1545	1520	1445	1420	1345	TIME	COLLECTED		476	Ŝ	35609.			BRANSN	
SIGNATURE of SAMPLER:	PRINT Name of SAMPLER:	SAMPLER NAME AND SIGNATURE			r,	AECOM														COMPOSITE END/GRAB	CTED				1.7.50			もつ	
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Sam	ples Ir (Y/N)	ntact		、			SAMPLE CONDITIONS							ľ	1002	184	1003	ここと	-661	922 Project No./ Lab I.D.					'R 	DRINKING WATER		60	

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Bace Applicat	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 19, 2011 Page 1 of 2						
Pace Analytical	Document No.:	Issuing Authorities:						
	F-ASV-CS-003-rev.07	Pace Asheville Quality Office						
	ent Name: AEcom	Project #						
Where Received: Hunte	ersville 🗌 Eden							
Courier (Circle): Fed Ex UP:	S USPS Client Commercial Race	OotherOptional						
Custody Seal on Cooler/Box Presen		no Proj. Due Date: Proj. Name:						
Packing Material: Bubble Wrap		- Samples on ice, cooling process has begun						
Circle Thermometer Used IR Gun#2	-80344039 Type of Ice (Wet) Blue None ack Up- 111565135	Bampies office, cooling process has begun						
Temp Correction Factor: Add Sub								
Corrected Cooler Temp.: 3.2	C Biological Tissue is Frozen: Yes No	N/A Date and Initials of person examining contents:						
Temp should be above freezing to 6°C	Comments:							
Chain of Custody Present:	PYes DNo DN/A 1.	1						
Chain of Custody Filled Out:	Yes DNo DN/A 2.	·						
Chain of Custody Relinquished:	ØYes □No □N/A 3.							
Sampler Name & Signature on COC:	ØYes □No □N/A 4.							
Samples Arrived within Hold Time:	Øyes □N0 □N/A 5.							
Short Hold Time Analysis (<72hr):	□Yes 2No □N/A 6.							
Rush Turn Around Time Requested	1: ZYes DNO DN/A 7. 2 1							
Sufficient Volume:		· · · · · · · · · · · · · · · · · · ·						
Correct Containers Used:	Pres INO IN/A 9.							
-Pace Containers Used:	Yes No N/A							
Containers Intact:	Yes No N/A 10.							
Filtered volume received for Dissolved								
Sample Labels match COC:	Tres INO IN/A 12.							
-Includes date/time/ID/Analysis	Matrix: <u>SL</u>	.						
All containers needing preservation have bee	Pres DNo DN/A 13.							
All containers needing preservation are for compliance with EPA recommendation.								
exceptions: VOA, coliform, TOC, O&G, WI-DRC	D (water) Yes No Initial when completed							
Samples checked for dechlorination:	□Yes □No □N/A 14.							
Headspace in VOA Vials (>6mm):	□Yes □No ØN/A 15.							
Trip Blank Present:	□Yes □No ⊡N/A 16.							
Trip Blank Custody Seals Present								
Pace Trip Blank Lot # (if purchased):								
Client Notification/ Resolution:	-	Field Data Required? Y / N						
Person Contacted:	Date/Time:	·						
Comments/ Resolution:								
SCURF Review:	Date. 2242 SRF Review:	Date: 22412						
Note: Whenever there is a discrepancy a Certification Office (i.e. out of normalized means	iffecting North Corolina compliance samples, a copy of this f reol procervation control tamp, incorrect containers)	orm will be sent to the North Carolina DEHNR						