



# **Vogle Units 3 & 4 COL Project**

## **Attachment B**

**Geotechnical Boring Logs  
Geotechnical Test Pit Logs  
SPT Energy Ratio Measurements**

**Volume 1 of 1**

**Job No. 6141-06-0286**

**MACTEC ENGINEERING  
AND CONSULTING, INC.**

**November 9, 2007**



| November 9, 2007

Mr. Tom McCallum  
Georgia Power Company  
C/O Southern Nuclear Operating Company, Inc.  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201  
Phone: (205) 992-6697  
e-mail: tomccall@southernco.com

**Subject:        Geotechnical Data Report Attachment B – Geotechnical Boring Logs,  
                  Geotechnical Test Pit Logs, SPT Energy Ratio Measurements  
                  Vogtle Units 3 & 4 COL Project  
                  Vogtle Electric Generating Plant  
                  Burke County, Georgia  
                  MACTEC Project Number 6141-06-0286**

Dear Mr. McCallum:

MACTEC Engineering & Consulting, Inc. is pleased to submit Attachment B of the Final Data Report for the geotechnical exploration and laboratory testing for the Vogtle Units 3 & 4 COL Project located adjacent to the existing Vogtle Electric Generating Plant near Waynesboro, Burke County, Georgia.

It has been a pleasure to perform the work described in the attached report. If you have any questions, or if we may be of further service, we hope that you will contact us at your convenience.

Sincerely,

MACTEC ENGINEERING & CONSULTING, INC.

A handwritten signature in cursive script, appearing to read "Matthew F. Cooke".

Matthew F. Cooke  
Senior Geologist  
Site Superintendent  
Registered, Georgia 1887

WITH PERMISSION

A handwritten signature in cursive script, appearing to read "Pieter J. DePree".

Pieter J. DePree  
Principal Geotechnical Engineer  
Registered, Georgia 19637

A handwritten signature in cursive script, appearing to read "Wm. Allen Lancaster".

Wm. Allen Lancaster  
Project Manager  
Civil Engineer  
Registered, Georgia 7075

BY KLB WITH PERMISSION.



## ATTACHMENT B

This Attachment is one of a number of attachments that are part of the following report which was prepared by MACTEC Engineering & Consulting Inc.:

Geotechnical Data Report  
Vogtle Units 3 & 4 COL Project  
Vogtle Electric Generating Plant  
Burke County, Georgia  
Subsurface Investigation and Laboratory Testing  
SNC Subcontract No. 7074425  
MACTEC Job No. 6141-06-0286

For background and a description of scope of work contained in the report, please refer to the above referenced report. The report was addressed as follows:

Mr. Tom McCallum  
Georgia Power Company  
C/O Southern Nuclear Operating Company, Inc.  
40 Inverness Center Parkway  
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The following list shows other Attachments to the above report and their included information:

Survey Data and Test Locations..... See Attachment A  
Cone Penetrometer Test Results.....See Attachment C  
Geophysical Test Data (Downhole and Field Electrical Resistivity) .....See Attachment D  
ReMi Seismic Shear Wave Velocity Measurements .....See Attachment E  
Laboratory Testing Data (Geotechnical).....See Attachment F  
Resonant Column Torsional Shear (RCTS) Test Results.....See Attachment G

## **ATTACHMENT B**

### **CONSISTS OF:**

**TABLE B-1: LIST OF BORING AND TEST PIT LOGS**  
**LOG OF REVISIONS TO GEOTECHNICAL BORING LOGS**  
**GEOTECHNICAL BORING LOGS**  
**GEOTECHNICAL TEST PIT LOGS**  
**SPT ENERGY RATIO MEASUREMENTS**

**Volume 1 of 1**


## TABLE B-1

### List of Boring and Test Pit Logs

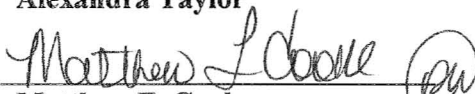
#### NOTE CONCERNING PREPARATION AND REVIEW OF BORING AND TEST PIT LOGS:

The boring and test pit logs listed in Table B-1 and contained in Attachment B were prepared in the MACTEC Atlanta office using the gINT Software Program. The boring and test pit logs were prepared, checked, and reviewed by those listed in the signature blocks below.

Prepared By:

  
\_\_\_\_\_  
Alexandra Taylor

Checked By:


  
\_\_\_\_\_  
Matthew F. Cooke

WITH PERMISSION

Checked By:

  
\_\_\_\_\_  
Martha L. Herrera

Reviewed By:

  
\_\_\_\_\_  
Pieter J. DePree

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-1105	82.0 – 87.0	Revised classification from SILT, gravelly (MH) to SILT (MH)
B-1105	92.0 – 97.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1105	107.0 – 122.0	Revised classification from CLAY, sandy with gravel (CH) to CLAY, sandy with shell fragments (CH)
B-1107	52.0 – 57.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-1107	67.0 – 72.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1107	82.0 – 87.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1107	97.0 – 102.0	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)
B-1107	102.0 – 107.0	Revised classification from contains traces of gravel to contains traces of shells
B-1107	107.0 – 112.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1107	128.5 – 132.0	Revised classification from contains shell fragments to contains shell fragments and cemented nodules
B-1107	132.0 – 136.5	Revised classification from SAND, silty with gravel (SM) to SAND, silty (SM)
B-1108	32.0 – 37.0	Revised classification from with traces of fine GRAVEL and CLAY to with traces of shells and CLAY
B-1108	37.0 – 42.0	Revised classification from traces of silt and gravel, medium grained with well-rounded gravel to traces of silt and cemented nodules
B-1108	67.0 – 72.0	Revised classification from SAND, with gravel (SW-SC) to SAND, clayey (SC)
B-1108	72.0 – 77.0	Revised classification from trace of sub-rounded gravel, +HCL to trace of sub-rounded cemented nodules, +HCL
B-1108	82.0 – 87.0	Revised classification from GRAVEL, with sand (GP-GC) to SHELL HASH (GP)
B-1108	87.0 – 92.0	Revised classification from SAND, clayey (SW-SC) to SAND, clayey (SC)
B-1108	102.0 – 117.0	Revised classification from GRAVEL, with clay (SC) and SAND, with clay and gravel (SP-SC) to SAND, with clay (SP-SC)
B-1108	122.0 – 127.0	Revised classification from SAND, clayey and gravelly (SP-SC) to SAND, clayey (SC)
B-1108	127.0 – 138.5	Revised classification from SAND, with silt and gravel (SP-SM) to SAND, with silt (SP-SM)
B-1109	46.0 – 52.0	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY, silty (CL-ML)
B-1109	67.0 – 82.0	Revised classification from CLAY, gravelly (CL) and CLAY, with gravel (CL) to CLAY, with shell hash (CL)
B-1110	57.0 – 72.0	Revised classification from CLAY, gravelly (CL) to CLAY, with shell hash (CL)
B-1110	72.0 – 77.0	Revised classification from SAND, silty with gravel (SM) to SAND, silty with shell fragments (SM)
B-1110	82.0 – 87.0	Revised classification from CLAY, gravelly (CL) to CLAY, with shell hash (CL)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-1110	87.0 – 92.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1110	112.0 – 118.0	Revised classification from CLAY, silty, gravelly (CL-ML) to CLAY, silty with cemented nodules (CL-ML)
B-1110	122.0 – 132.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell fragments (CL)
B-1112A	77.5 – 79.0	Revised classification from SILT, gravelly with sand (ML) to SILT, sandy with cemented layers (ML)
B-1116	62.0 – 67.0	Revised classification from CLAY, gravelly (CL) to CLAY, with shell hash (CL)
B-1116	77.0 – 82.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-1116	82.0 – 87.0	Revised classification from CLAY, sandy with gravel (CL) to CLAY, sandy (CL)
B-1116	92.0 – 97.0	Revised classification from CLAY, gravelly with sand (CL) to CLAY, sandy (CL)
B-1116	127.0 – 132.0	Revised classification from SILT, with sand (ML) to SILT (ML)
B-1118	47.0 – 57.0	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY, silty (CL-ML)
B-1118	57.0 – 67.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey with shells (SC)
B-1118	72.0 – 82.0	Revised classification from CLAY, sandy with gravel (CL-ML) to CLAY, sandy (CL)
B-1118	82.0 – 97.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1119	8.5 – 22.0	Revised classification from contains traces of fine SAND and angular GRAVEL, +HCL to contains traces of fine SAND and cemented nodules, +HCL
B-1120	57.0 – 67.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1120	67.0 – 77.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1120	82.0 – 86.75	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-1123	83.5 – 87.0	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)
B-1123	102.0 – 108.5	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-1125	86.8 – 91.75	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)
B-1125	91.75 – 96.5	Revised classification from SAND, with silt and gravel (SP-SM) to SAND, with silt (SP-SM)
B-1125	131.75 – 136.75	Revised classification from SILT, sandy (ML) to SILT, with cemented fragments (ML)
B-1126	37.0 – 42.0	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-1127	87.0 – 97.0	Revised classification from CLAY, silty, sandy (CL-ML) and CLAY, silty with sand (CL-ML) to CLAY, with shells and cemented fragments (CL-ML)
B-1128	202.3	Removed Utley Limestone (Utley) reference
B-1129	76.8 – 81.7	Revised classification from GRAVEL, silty (GM) to SHELL

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
		HASH, silty (GM)
B-1131	81.75 – 85.0	Revised classification from CLAY (CL) - Brown (10YR 4/3), hard, -HCL, contains pale yellow (5Y 8/2) GRAVEL, +HCL in last 1" to CLAY (CL) brown (10YR 4/3), hard, -HCL
B-1131	85.0 – 88.5	Revised classification from GRAVEL (GP) to SHELL HASH (GP)
B-1131	93.5	Revised classification from contains SAND and shell hash to contains shell hash
B-1132	87.0 – 92.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1134	67.0 – 86.75	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-1139	5.5 – 8.0	Revised classification from GRAVEL, silty (GM) to SAND, silty (SM)
B-1139	61.75 – 67.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-1139	87.0 – 92.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-1146	53.5 – 57.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty (CL-ML)
B-1146	82.0 – 87.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1146	87.0 – 92.0	Revised classification from CLAY, with gravel (CH) to CLAY (CH)
B-1148	68.5	Removed Transition from Utley to Blue Bluff Marl (BBM) reference
B-1150	37.0 – 47.0	Revised classification from SILT, gravelly (ML) and SILT, with gravel (ML) to SILT, shell hashy (ML)
B-1150	87.0 – 91.5	Revised classification from CLAY, gravelly (CL) to CLAY, with shell hash (CL)
B-1152	47.0	Added contains cemented shell fragments
B-1152	52.0 – 62.0	Revised classification from SAND, with silt (SP-SM) and CLAY, sandy (CL) to SAND, silty (SM)
B-1152	67.0 – 69.5	Revised classification from SAND, silty (SM) - Greenish gray (GLE1 6/1), damp, dense, +HCL to SAND, silty (SM) - Greenish gray (GLE1 6/1), damp, dense, contains shell fragments, +HCL
B-1153	37.0 – 47.0	Revised classification from SAND, clayey (SC) to CLAY, sandy (CL)
B-1153	51.0 – 62.0	Revised classification from SAND, silty (SM) - Very dark gray (2.5YR 3/N), damp, dense, fine grained, -HCL to SAND, silty (SM) - Very dark gray (2.5YR 3/N), damp, dense, fine grained, contains cemented fragments, -HCL
B-1153	62.0 – 77.0	Revised classification from SAND, silty, clayey (SC-SM) - Very dark gray (5Y 3/1), moist, very dense, fine grained, -HCL to SAND, silty, clayey (SC-SM) - Very dark gray (5Y 3/1), moist, very dense, fine grained, contains shell hash, -HCL
B-1153	68.5	Revised classification from SAA except dark grey (5Y 4/1), damp, very stiff, low plasticity to SAA except dark grey (5Y 4/1), damp, very stiff, low plasticity, contains shells
B-1155	9.75 – 17.0	Revised classification from SILT, with sand (ML) to CLAY, with sand (CL)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-1155	32.0 – 36.5	Revised classification from CLAY, with silt (CL) to SILT (MH)
B-1155	86.5 – 91.5	Revised classification from CLAY (CL) to CLAY (CH)
B-1155	107.0 – 132.0	Revised classification from SAND, with silt (SP-SM) to SAND (SP)
B-1156	17.75 – 22.0	Revised classification from CLAY, sandy (CL) to CLAY, sandy (CH)
B-1157	17.0 – 22.0	Revised classification from SILT (ML) to SILT (MH)
B-1157	31.5 – 37.0	Revised classification from SILT (ML) to CLAY (CH)
B-1157	38.5	Revised classification from CLAY (CL) - Greenish gray (GLE Y1 6/1), damp, medium stiff, medium plasticity, contains minor gravel up to 1" diameter, +HCL to CLAY (CL) - Greenish gray (GLE Y1 6/1), damp, medium stiff, medium plasticity, contains shell hash, +HCL
B-1157	107.0 – 112.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, with sand (CL)
B-1159	2.7 – 17.0	Revised classification from SILT (ML) and CLAY, silty (CL) to CLAY (CH)
B-1159	17.0 – 27.0	Revised classification from SILT, clayey (ML) to SILT (ML)
B-1159	36.5 – 41.5	Revised classification from GRAVEL, silty with sand (GM) to LIMESTONE
B-1159	72.0 – 92.0	Revised classification from SAND, with silt (SP-SM) to SAND, with clay (SP-SC)
B-1161	3.5 – 6.0	Revised classification from CLAY, silty (CL-ML) to SILT (MH)
B-1161	6.0 – 17.0	Revised classification from CLAY, silty (CL-ML) to CLAY (CL)
B-1162	0.0 – 6.0	Revised classification from CLAY, silty (CL-ML) to CLAY (CH)
B-1162	6.0 – 10.5	Revised classification from CLAY, silty (CL-ML) to SILT (MH)
B-1162	49.5 – 54.5	Revised classification from CLAY, silty with sand (CL-ML) to SAND (SP)
B-1163	3.25 – 5.5	Revised classification from CLAY (CH) to SILT (MH)
B-1163	32.0 – 37.0	Revised classification from CLAY, silty, sandy (CL-ML) to CLAY, sandy, (CH)
B-1163	37.0 – 47.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, with sand (CH)
B-1163	87.0 – 92.0	Revised classification from CLAY, silty (CL-ML) to CLAY (CH)
B-1164	62.5 – 68.5	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-1164	68.5 – 77.0	Revised classification from contains angular/cemented GRAVEL to contains angular/cemented nodules
B-1164	77.0 – 82.0	Revised classification from SAND, with silt and gravel (SP-SM) to SAND, silty with cemented fragments (SM)
B-1166	72.0 – 77.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell hash (CL)
B-1166	77.0 – 100.0	Revised classification from SILT (ML) - Greenish gray (GLE Y1 6/10GY), moist, hard, low plasticity, contains traces of angular cemented GRAVEL, +HCL to SILT (ML) - Greenish gray (GLE Y1 6/10GY), moist, hard, low plasticity, +HCL
B-1172	77.0 – 82.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty (CL-ML)
B-1174	27.0 – 42.0	Revised classification from CLAY, silty, sandy with gravel (CL-

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
		ML) to CLAY, silty, sandy (CL-ML)
B-1174	42.0 – 47.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-1174	47.0 – 52.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty with sandy (CL-ML)
B-1174	52.0 – 57.0	Revised classification from GRAVEL, with silt and sand (GP-GM) to SHELL HASH, with silt and sand (GP-GM)
B-1174	57.0 – 62.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty with sand (CL-ML)
B-1174	62.0 – 67.0	Revised classification from CLAY, sandy with gravel (CL) to CLAY, sandy (CL)
B-1174	67.0 – 72.0	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)
B-1174	72.0 – 77.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1174	77.0 – 82.0	Revised classification from CLAY, gravelly with sand (CL) to CLAY, with sand (CL)
B-1174	87.0 – 92.0	Revised classification from CLAY, sandy with gravel (CL) to CLAY, sandy (CL)
B-1176	19.5 – 22.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-1176A	35.0 – 52.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty clayey with sand (GC-GM)
B-1185	53.5 – 62.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-1185	62.0 – 72.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-1185	83.0 – 92.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-3001	74.5 – 77.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-3001	97.0 – 112.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell hash and cemented fragments (CL)
B-3001	112.0 – 122.0	Revised classification from CLAY (CH) to SILT, sandy (MH)
B-3001	122.0 – 127.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-3001	132.0 – 137.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shells (CL)
B-3001	148.5 – 153.5	Revised classification from SAA except contains angular GRAVEL and SAA except stiff, no GRAVEL to SAA except contains shells and SAA except stiff
B-3001	228.5	Revised classification from contains kaolinitic CLAY to contains CLAY
B-3001	358.5	Revised classification from contains iron staining, kaolinitic CLAY, and mica to contains iron staining and mica
B-3001	364.0 – 374.0	Revised classification from contains CLAY lenses, mica, and kaolinitic CLAY to contains CLAY lenses and mica
B-3001	374.0 – 394.0	Revised classification from contains iron staining and kaolinitic CLAY to contains iron staining
B-3001	394.0 – 400.5	Revised classification from contains kaolinitic CLAY matrix and mica to contains CLAY matrix and mica
B-3002	112.0 – 122.0	Revised classification from SAND, clayey (SC) to SAND, silty (SM)
B-3002	122.0 – 137.0	Revised classification from SAND, clayey (SC) to SILT (MH)



**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-3003	66.5	Moved Utley reference to 77.0ft
B-3003	77.0 – 88.5	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-3003	112.0 – 117.0	Revised classification from GRAVEL, clayey with sand (GC) to CLAY, with cemented layers (CL)
B-3003	117.0 – 147.0	Revised classification from CLAY, with sand (CL) to CLAY (CL)
B-3004	93.5	Revised classification from contains cemented marl to contains cemented fragments
B-3004	107.0 – 109.0	Revised classification from GRAVEL, with clay (GP-GC) to SILT (MH)
B-3004	153.5	Revised classification from contains trace angular cemented marl to contains trace angular cemented fragments
B-3005	137.0 – 150.5	Revised classification from CLAY, silty (CL-ML) to CLAY (CH)
B-3006	142.0 – 147.0	Revised classification from GRAVEL, clayey with sand (GC) to CLAY (CL)
B-3006	147.0 – 152.0	Revised classification from SAA except contains shell fragments to CLAY, with sand (CH) – Greenish grey (GLEY1 6/10Y), dry to damp, very stiff, contains shell fragments and sandy and cemented layers
B-3007	58.0	Moved Utley reference to 78.0ft
B-3007	62.0 – 66.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy (CL-ML)
B-3007	78.0 – 82.0	Revised classification from contains shell fragments < 0.1” in diameter to contains pebble size shell fragments
B-3007	118.5	Removed non-plastic to low plasticity
B-3007	127.0 – 147.0	Revised classification from SILT, with sand (ML) to SILT (ML)
B-3007	147.0 – 157.5	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-3008	32.0 – 47.0	Revised classification from SAND, silty, clayey (SC-SM) to SAND, clayey (SC)
B-3008	122.0 – 152.0	Revised classification from SILT (MH) to CLAY (CH)
B-3009	63.5 – 67.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-3009	77.0 – 82.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-3010	82.0 – 86.0	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-3010	86.0 – 92.0	Revised classification from GRAVEL, with clay (GP-GC) to CEMENTED FRAGMENTS, with clay (GP-GC)
B-3010	117.0 – 127.0	Revised classification from CLAY, sandy (CL) to CLAY, with cemented fragments (CL)
B-3010	127.0 – 142.0	Revised classification from contains angular GRAVEL to contains cemented fragments
B-3011	79.5 – 87.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-3011	87.0 – 92.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell hash (CL)
B-3011	102.0 – 107.0	Revised classification from CLAY, with sand (CL) to CLAY, silty (CL)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-3011	108.5	Revised classification from contains traces of shell hash to contains traces of shells
B-3013 (C)	92.0 – 95.5	Revised classification from SAND, clayey (SC) to CEMENTED FRAGMENTS, clayey (SC)
B-3013 (C)	118.0 – 121.0	Revised classification from GRAVEL (GP) to LIMESTONE (GP)
B-3013 (C)	121.0	Revised classification from contains GRAVEL cemented seam in bottom to contains cemented seam in bottom
B-3014	81.0 – 88.0	Revised classification from GRAVEL (GP) to SHELL HASH (GP)
B-3014	92.0 – 102.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell hash (CL)
B-3015	120.0 – 149.0	Revised classification from CLAY, silty (CL-ML) to CLAY (CH)
B-3017	83.5 – 86.0	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-3018	52.0	Moved Utley reference to 77.0ft
B-3018	72.0 – 77.0	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY, silty (CL-ML)
B-3018	77.0 – 82.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-3018	132.0 – 152.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, with sand (CL)
B-3019	77.0 – 86.75	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-3019	102.0 – 107.0	Revised classification from GRAVEL (GM) to LIMESTONE
B-3019	112.0 – 122.0	Revised classification from GRAVEL, silty (GM) to LIMESTONE
B-3021	77.0 – 86.0	Revised classification from GRAVEL, silty, clayey (GC-GM) to SHELL HASH, silty, clayey (GC-GM)
B-3022	81.5, 87.0	Removed Utley reference, added reference to BBM at 87ft
B-3023	83.5 – 86.0	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-3024	82.0 – 150.0	Revised classification from CLAY, silty (CL-ML) to CLAY (CH)
B-3026	112.0 – 149.17	Revised classification from SILT, with sand (ML) to SILT (ML)
B-3027	13.5	Revised classification from GRAVEL, with silt and sand (GP-GM) to NO RECOVERY
B-3027	67.0 – 72.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty (CL-ML)
B-3027	72.0 – 77.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-3028	67.0 – 77.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-3029	83.0 – 87.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-3029	102.0 – 122.0	Revised classification from CLAY, silty with gravel (CL-ML) and CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-3029	122.0 – 127.0	Revised classification from CLAY, with sand (CL) to CLAY (CL)
B-3029	127.0 – 132.0	Revised classification from CLAY, silty, sandy (CL-ML) to CLAY, silty (CL-ML)
B-3029	132.0 – 137.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy with cemented fragments (CL-ML)
B-3030	87.0 – 92.0	Revised classification from GRAVEL, with clay and sand (GP-GC)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
		to SHELL HASH, with clay and sand (GP-GC)
B-3031	5.0 – 22.0	Revised classification from SAND, with silt and gravel (SP-SM) to SAND, with silt (SP-SM)
B-3031	95.0 – 97.0	Revised classification from GRAVEL, silty with sand (GM) to SHELL HASH, silty with sand (GM)
B-3031	104.0 – 117.0	Revised classification from SILT, sandy (ML) to SILT (ML)
B-3031	117.0 – 122.0	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY (CL)
B-3031	142.0 – 147.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy (CL-ML)
B-3032	76.5	Removed Utley reference
B-3033	137.0 – 142.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-3034	127.0 – 132.0	Added missing graphic
B-3034	138.5	Revised classification from SAND, clayey (SC) - Dark greenish gray (5GY 4/1), moist, very dense, very fine to fine grained, contains cemented shell fragments, +HCL to CLAY, with cemented fragments (CL) - Dark greenish gray (5GY 4/1), moist, hard, +HCL
B-3034	143.5	Revised classification from contains abundant cemented shell fragments to contains cemented fragments
B-3035	78.0 – 82.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-3035	98.0 – 107.0	Revised classification from contains shell hash and organics to contains trace shell hash and organics
B-3036	77.0 – 82.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-3036	88.0 – 97.0	Revised classification from SAND, silty (SM) to SILT, with cemented fragments (ML)
B-3037	83.0 – 87.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty with sand (CL-ML)
B-3037	106.75 – 111.75	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-3037	111.75 – 116.75	Revised classification from CLAY, sandy (CL) to CLAY (CL)
B-3038	66.5 – 72.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-3038	87.0 – 92.0	Revised classification from GRAVEL, clayey with sand (GC) to SHELL HASH, clayey with sand (GC)
B-3039	56.5	Removed Utley reference
B-3039	132.0 – 147.0	Revised classification from CLAY (CL) to CLAY, silty, sandy, with cemented fragments (CL-ML)
B-4001 (DH)	22.0 – 27.0	Revised classification from CLAY, silty with sand (CL-ML) to SILT, with sand (MH)
B-4001 (DH)	122.0 – 132.0	Revised classification from SAND, silty (SM) to CLAY (CH)
B-4002	82.0	Added Utley reference
B-4003 (DH)	92.0 – 97.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-4003 (DH)	152.0 – 166.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-4004	87.5 – 91.0	Revised classification from SAND, with silt (SW-SM) to SHELL HASH, with silt (SW-SM)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-4004	91.0 – 102.0	Revised classification from SILT, with sand (MH) to SILT, with sand (MH)
B-4004	117.0 – 132.0	Revised classification from SILT, with sand (MH) to SILT, sandy (MH)
B-4005	127.0 – 142.0	Revised classification from SILT, (MH) - Greenish gray (GLEYS 1 6/10Y), damp, hard, high plasticity, contains shell fragments, +HCL to SILT (MH) - Greenish gray (GLEYS 1 6/10Y), damp, hard, high plasticity, +HCL
B-4005	144.0	Revised classification from SAA to SAA with shell fragments
B-4008	122.0 – 152.0	Revised classification from CLAY (MH) to SILT (MH)
B-4009	112.0 – 122.0	Revised classification from SILT, with sand (MH) to SILT (MH)
B-4009	132.0 – 157.0	Revised classification from CLAY, sandy (CH) to CLAY (CH)
B-4010	127.0 – 157.0	Revised classification from CLAY, sandy (CH) to CLAY (CH)
B-4013 (C)	85.5 – 94.0	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-4014	17.0 – 22.0	Revised classification from SAND, silty, clayey (SC-SM) to SAND, clayey (SC)
B-4014	72.0 – 77.0	Revised classification from SAND, with clay and gravel (SP-SC) to SAND, with clay (SP-SC)
B-4014	82.0 – 87.2	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-4014	87.2 – 107.0	Revised classification from SILT, sandy (MH) to SILT (MH)
B-4015	107.0 – 122.0	Revised classification from CLAY, with sand (CL) to CLAY (CL)
B-4018	82.0 – 86.5	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-4019	72.0 – 77.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy (CL-ML)
B-4019	82.0 – 87.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-4020	77.0 – 87.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-4020	87.0 – 89.42	Revised classification from CLAY, with gravel (CL) to CLAY, with shell fragments (CL)
B-4025	62.0 – 67.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-4025	67.0 – 72.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell fragments (CL)
B-4025	87.0 – 91.75	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-4026	10.5 – 13.0	Revised classification from SAND, with gravel (SP) to SAND (SP)
B-4026	22.0 – 27.0	Revised classification from SAND, with clay and gravel (SP-SC) to SAND, with clay (SP-SC)
B-4026	85.0 – 91.0	Revised classification from CLAY, sandy with gravel (CL) to CLAY, sandy (CL)
B-4026	91.0 – 97.0	Revised classification from GRAVEL, clayey with sand (GC) to SHELL HASH, clayey with sand (GC)
B-4027	52.0 – 67.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-4027	77.0 – 82.0	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
B-4028	74.5 – 77.0	Revised classification from SAND, silty, clayey with gravel (SC-SM) to SAND, silty, clayey (SC-SM)
B-4028	82.0 – 87.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty with sand (CL-ML)
B-4028	117.0 – 122.0	Revised classification from CLAY, silty, gravelly (CL-ML) to CLAY, silty (CL-ML)
B-4029	71.5 – 77.0	Revised classification from CLAY, with sand and gravel (CL) to CLAY, with sand (CL)
B-4029	83.5 – 87.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-4030	73.0 – 77.0	Revised classification from GRAVEL, silty, clayey with sand (GC-GM) to SHELL HASH, silty, clayey with sand (GC-GM)
B-4030	87.5 – 92.0	Revised classification from CLAY, silty, gravelly (CL-ML) to CLAY, silty (CL-ML)
B-4030	122.0 – 128.5	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY, silty (CL-ML)
B-4031	137.0 – 147.0	Revised classification from GRAVEL, clayey (GC) to LIMESTONE – Greenish gray (GLEY1 5/5GY), lithified marl with clay, wet, hard, contains shell fragments, +HCL
B-4032A	93.5	Removed Utley reference
B-4032A	127.0 – 132.0	Revised classification from CLAY, with gravel (CL) to CLAY, with shell fragments (CL)
B-4033	77.0 – 87.0	Revised classification from CLAY, silty, gravelly with sand (CL-ML) to CLAY, silty with sand (CL-ML)
B-4034	22.0 – 27.0	Revised classification from SAND, with silt and gravel (SP-SM) to SAND, with silt (SP-SM)
B-4034	76.75 – 82.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-4034	82.0 – 87.0	Revised classification from GRAVEL, silty (GM) to SHELL HASH, silty (GM)
B-4034	107.0 – 142.0	Revised classification from SILT, gravelly with sand (MH) to SILT, with shell hash and sand (MH)
B-4034	142.0 – 150.0	Revised classification from CLAY, silty (CL-ML) to CLAY, sandy (CL)
B-4035	57.0 – 67.0	Revised classification from CLAY, with gravel and sand (CL) to CLAY, with sand (CL)
B-4035	117.0 – 122.0	Revised classification from CLAY, silty with gravel (CL-ML) to CLAY, silty (CL-ML)
B-4036	152.0 – 157.0	Revised classification from SILT, with sand (ML) to SILT (ML)
B-4036	157.0 – 166.0	Revised classification from CLAY, with sand (CL) to CLAY (CL)
B-5001	27.0 – 32.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy (CL-ML)
B-5001	42.0 – 47.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty (CL-ML)
B-5001	47.0 – 52.0	Revised classification from SAND, silty, clayey with gravel (SC-SM) to SAND, silty, clayey (SC-SM)
B-5001	57.0 – 62.0	Revised classification from CLAY, silty, sandy, gravelly (CL-ML) to CLAY, silty, sandy (CL-ML)
B-5001	62.0 – 67.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy (CL-ML)
B-5001	67.0 – 72.0	Revised classification from SAND, with clay and gravel (SP-SC) to

**Log of Revisions to Geotechnical Boring Logs**

<b>Boring Number</b>	<b>Depth or Depth Interval (feet)</b>	<b>Change</b>
		SAND, with clay (SP-SC)
B-5001	97.0 – 102.0	Revised classification from CLAY, silty, sandy with gravel (CL-ML) to CLAY, silty, sandy with shells (CL-ML)
B-5003	117.0 – 148.7	Revised classification from CLAY, silty with sand (CL-ML) to CLAY, silty (CL-ML)
B-5004	47.0 – 52.0	Revised classification from GRAVEL, with clay and sand (GP-GC) to SHELL HASH, with clay and sand (GP-GC)
B-5004	62.0 – 87.0	Revised classification from GRAVEL, sandy with clay (GP-GC) to SHELL HASH, sandy with clay (GP-GC)
B-6002	72.0 – 77.0	Revised classification from GRAVEL (GP) to SHELL HASH (GP)
B-6009	31.0 – 37.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-6009	37.0 – 47.0	Revised classification from SILT, with gravel (ML) to SILT (ML)
B-6009	47.0 – 52.0	Revised classification from CLAY, silty, gravelly (CL-ML) to CLAY, silty (CL-ML)
B-6009	52.0 – 57.0	Revised classification from SAND, silty with gravel (SM) to SAND, silty (SM)
B-6009	57.0 – 62.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-6009	62.0 – 72.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-6009	72.0 – 77.0	Revised classification from CLAY, with gravel (CL) to CLAY (CL)
B-6009	92.0 – 97.0	Revised classification from GRAVEL (GP) to SHELL HASH (GP)
B-6010	117.0	Added Utley reference
B-6011	37.0 – 42.0	Revised classification from GRAVEL, clayey (GC) to SHELL HASH, clayey (GC)
B-6011	42.0 – 47.0	Revised classification from CLAY, gravelly (CL) to CLAY (CL)
B-6011	67.0 – 72.0	Revised classification from GRAVEL, with clay (GP-GC) to SHELL HASH, with clay (GP-GC)
B-6011	72.0 – 92.0	Revised classification from SAND, clayey with gravel (SC) to SAND, clayey (SC)
B-6011	102.0 – 107.0	Revised classification from GRAVEL (GP) to SHELL HASH (GP)
B-6020	10.5 – 17.0	Revised classification from SAND, silty, clayey (SC-SM) to SAND, clayey (SC)
B-6022	79.8	Removed Utley reference
B-6025	47.0	Changed Still Branch reference to BBM
TP-B-1194	8.0 – 11.5	Revised classification from SAND, silty, clayey (SC-SM) to SAND, clayey (SC)

**TABLE B-1**  
**LIST OF BORING AND TEST PIT LOGS**  
**VOGTLE UNITS 3 & 4 COL PROJECT**  
**MACTEC ENGINEERING AND CONSULTING, INC.**  
**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-1105	SWITCHYARD	148.8
B-1107	SWITCHYARD	150.0
B-1108	SWITCHYARD	149.8
B-1109	SWITCHYARD	150.0
B-1110	SWITCHYARD	150.0
B-1111	SWITCHYARD	150.0
B-1112	SWITCHYARD	23.0
B-1112A	SWITCHYARD	150.0
B-1113	SWITCHYARD	170.0
B-1116	SWITCHYARD	138.5
B-1117	SWITCHYARD	149.3
B-1118	SWITCHYARD	149.4
B-1119	SWITCHYARD	150.0
B-1120	SWITCHYARD	149.8
B-1121	SWITCHYARD	150.0
B-1123	SWITCHYARD	150.0
B-1124	SWITCHYARD	150.0
B-1125	SWITCHYARD	150.0
B-1126	SWITCHYARD	150.0
B-1127	SWITCHYARD	150.0
B-1128	SWITCHYARD	73.0
B-1128A	SWITCHYARD	148.8
B-1129	POWER BLOCK ROADS	100.0
B-1130	POWER BLOCK ROADS	99.2
B-1131	POWER BLOCK ROADS	98.6
B-1132	POWER BLOCK ROADS	100.0
B-1133	POWER BLOCK ROADS	100.0
B-1134	POWER BLOCK ROADS	100.0
B-1136	POWER BLOCK ROADS	100.0

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**VOGTLE UNITS 3 & 4 COL PROJECT**  
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**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-1138	HEAVY HAUL ROAD	100.0
B-1139	POWER BLOCK ROADS	150.0
B-1140	POWER BLOCK ROADS	150.0
B-1142	HEAVY HAUL ROAD	100.0
B-1146	HEAVY HAUL ROAD	98.6
B-1148	HEAVY HAUL ROAD	100.0
B-1150	HEAVY HAUL ROAD	100.0
B-1152	HEAVY HAUL ROAD	100.0
B-1153	HEAVY HAUL ROAD	100.0
B-1154	HEAVY HAUL ROAD	98.8
B-1155	PUMPHOUSE	150.0
B-1156	PUMPHOUSE	99.2
B-1157	PUMPHOUSE	150.0
B-1158	PUMPHOUSE	149.5
B-1159	PUMPHOUSE	150.0
B-1161	PUMPHOUSE	150.0
B-1162	PUMPHOUSE	200.0
B-1163	PUMPHOUSE	150.0
B-1164	PIPE LINE	150.0
B-1166	PIPE LINE	100.0
B-1168	PIPE LINE	100.0
B-1170	PIPE LINE	98.9
B-1172	PIPE LINE	100.0
B-1174	PIPE LINE	100.0
B-1176	PIPE LINE	35.0
B-1176A	PIPE LINE	100.0
B-1185	SWITCHYARD	148.9
B-1186	BATCH PLANT	178.8
B-1187	BATCH PLANT	150.0



**TABLE B-1**  
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**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-1189	BATCH PLANT	150.0
B-1191	BATCH PLANT	150.0
B-1192	BATCH PLANT	179.5
B-1193	BATCH PLANT	178.8
B-1194	BORROW AREA 4	50.0
B-1195	BORROW AREA 4	50.0
B-1196	BORROW AREA 4	50.0
B-1197	BORROW AREA 4	50.0
B-3001(DH)	EAST POWER BLOCK	420.0
B-3002(DH)	EAST POWER BLOCK	249.9
B-3002A	EAST POWER BLOCK	21.5
B-3003(DH)	EAST POWER BLOCK	250.0
B-3004	EAST POWER BLOCK	160.0
B-3005	EAST POWER BLOCK	155.0
B-3006	EAST POWER BLOCK	155.0
B-3007	EAST POWER BLOCK	159.8
B-3008	EAST POWER BLOCK	155.0
B-3009	EAST POWER BLOCK	153.9
B-3010	EAST POWER BLOCK	160.0
B-3011	EAST POWER BLOCK	165.0
B-3012	EAST POWER BLOCK	159.3
B-3013(C)	EAST POWER BLOCK	155.0
B-3014	EAST POWER BLOCK	158.7
B-3015	EAST POWER BLOCK	150.0
B-3016	EAST POWER BLOCK	150.0
B-3017	EAST POWER BLOCK	150.0
B-3018	EAST POWER BLOCK	155.0
B-3019	EAST POWER BLOCK	153.8
B-3020	EAST POWER BLOCK	149.4

**TABLE B-1**  
**LIST OF BORING AND TEST PIT LOGS**  
**VOGTLE UNITS 3 & 4 COL PROJECT**  
**MACTEC ENGINEERING AND CONSULTING, INC.**  
**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-3021	EAST POWER BLOCK	154.5
B-3022	EAST POWER BLOCK	150.0
B-3023	EAST POWER BLOCK	150.5
B-3024	CIRC. WATER LINE	150.0
B-3025	CIRC. WATER LINE	150.0
B-3026	CIRC. WATER LINE	149.2
B-3027	CIRC. WATER LINE	150.0
B-3028	CIRC. WATER LINE	150.0
B-3029	CIRC. WATER LINE	149.9
B-3030	COOLING TOWER	150.0
B-3031	COOLING TOWER	150.0
B-3032	COOLING TOWER	149.5
B-3033	COOLING TOWER	149.3
B-3034	COOLING TOWER	149.2
B-3035	EAST POWER BLOCK	150.5
B-3036	EAST POWER BLOCK	155.0
B-3037	EAST POWER BLOCK	150.0
B-3038	CIRC. WATER LINE	98.9
B-3039	EAST POWER BLOCK	150.0
B-4001(DH)	WEST POWER BLOCK	399.9
B-4002(DH)	WEST POWER BLOCK	250.0
B-4003(DH)	WEST POWER BLOCK	249.8
B-4004	WEST POWER BLOCK	150.0
B-4005	WEST POWER BLOCK	164.9
B-4006	WEST POWER BLOCK	165.0
B-4007	WEST POWER BLOCK	170.0
B-4008	WEST POWER BLOCK	169.4
B-4009	WEST POWER BLOCK	164.9
B-4010	WEST POWER BLOCK	160.0

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**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-4011	WEST POWER BLOCK	150.0
B-4013(C)	WEST POWER BLOCK	165.0
B-4014	WEST POWER BLOCK	158.6
B-4015	WEST POWER BLOCK	155.0
B-4016	WEST POWER BLOCK	149.6
B-4017	WEST POWER BLOCK	150.0
B-4018	WEST POWER BLOCK	160.0
B-4019	WEST POWER BLOCK	160.0
B-4020	WEST POWER BLOCK	89.4
B-4020A	WEST POWER BLOCK	165.0
B-4021	WEST POWER BLOCK	150.0
B-4022	WEST POWER BLOCK	148.7
B-4023	WEST POWER BLOCK	150.0
B-4024	CIRC. WATER LINE	150.0
B-4025	CIRC. WATER LINE	150.0
B-4026	CIRC. WATER LINE	150.0
B-4027	CIRC. WATER LINE	150.0
B-4028	CIRC. WATER LINE	150.0
B-4029	CIRC. WATER LINE	150.0
B-4030	COOLING TOWER	150.3
B-4031	COOLING TOWER	150.0
B-4032	COOLING TOWER	38.5
B-4032A	COOLING TOWER	150.0
B-4033	COOLING TOWER	149.4
B-4034	COOLING TOWER	150.0
B-4035	WEST POWER BLOCK	164.8
B-4036	WEST POWER BLOCK	170.0
B-5001	230 KV SWITCHYARD	150.0
B-5002	230 KV SWITCHYARD	150.0

**TABLE B-1**  
**LIST OF BORING AND TEST PIT LOGS**  
**VOGTLE UNITS 3 & 4 COL PROJECT**  
**MACTEC ENGINEERING AND CONSULTING, INC.**  
**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
B-5003	230 KV SWITCHYARD	148.7
B-5004	230 KV SWITCHYARD	149.8
B-6002	BATCH PLANT	150.0
B-6003	BATCH PLANT	179.4
B-6004	BATCH PLANT	150.0
B-6005	BATCH PLANT	178.8
B-6006	CONSTRUCTION WAREHOUSE	50.0
B-6007	CONSTRUCTION WAREHOUSE	50.0
B-6008	DECHLORINATION BUILDING	150.0
B-6009	HEAVY HAUL ROAD	100.0
B-6010	500 KV SWITCHYARD	169.3
B-6011	HEAVY HAUL ROAD	120.0
B-6012	HEAVY HAUL ROAD	120.0
B-6013	ACCESS ROAD	50.0
B-6014	ACCESS ROAD	50.0
B-6015	ACCESS ROAD	50.0
B-6018	LAY DOWN YARD	50.0
B-6019	LAY DOWN YARD	50.0
B-6020	LAY DOWN YARD	130.0
B-6021	LAY DOWN YARD	120.0
B-6022	LAY DOWN YARD	90.0
B-6023	LAY DOWN YARD	50.0
B-6024	LAY DOWN YARD	50.0
B-6025	LAY DOWN YARD	50.0
B-6026	LAY DOWN YARD	50.0
B-6027	NEW BARGE SLIP	75.0
B-6028	NEW BARGE SLIP	50.0
B-6029	NEW INTAKE ACCESS ROAD	50.0
B-6030	NEW INTAKE ACCESS ROAD	50.0

**TABLE B-1**  
**LIST OF BORING AND TEST PIT LOGS**  
**VOGTLE UNITS 3 & 4 COL PROJECT**  
**MACTEC ENGINEERING AND CONSULTING, INC.**  
**MACTEC PROJECT No. 6141-06-0286**

Boring/Test Pit Number	Location/Remarks	Total Depth (ft, bgs)
TP-B-1108	SWITCHYARD	12.2
TP-B-1117	SWITCHYARD	9.0
TP-B-1121	SWITCHYARD	14.0
TP-B-1125	SWITCHYARD	11.0
TP-B-1185	SWITCHYARD	11.0
TP-B-1194	BORROW AREA 4	11.5
TP-B-1195	BORROW AREA 4	8.0
TP-B-1197	BORROW AREA 4	11.0

Prepared By/Date: Matthew F. Cooke/5-23-07 *MFC* WITH PERMISSION *CLG*

Checked By/Date: Alexandra Taylor/7-26-07 *AT*

## **GEOTECHNICAL BORING LOGS**

MAJOR DIVISIONS			GROUP SYMBOLS		TYPICAL NAMES	Undisturbed Sample		Auger Cuttings																																							
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)		GW	Well graded gravels, gravel - sand mixtures, little or no fines.		Standard Penetration Test or Dynamic Cone Penetration Test			Bulk Sample																																					
		GRAVELS WITH FINES (Appreciable amount of fines)		GP	Poorly graded gravels or grave - sand mixtures, little or no fines.		Rock Core				Crandall Sampler																																				
				GM	Silty gravels, gravel - sand - silt mixtures.		Dilatometer				Pressure Meter																																				
				GC	Clayey gravels, gravel - sand - clay mixtures.		Packer				No Recovery																																				
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 Sieve Size)	CLEAN SANDS (Little or no fines)		SW	Well graded sands, gravelly sands, little or no fines.		Water Table at time of boring			Stabilized Water Level																																					
		SANDS WITH FINES (Appreciable amount of fines)		SP	Poorly graded sands or gravelly sands, little or no fines.		<div>Correlation of Standard Penetration Resistance with Relative Density and Consistency</div> <table><thead><tr><th colspan="2">SAND &amp; GRAVEL</th><th colspan="2">SILT &amp; CLAY</th></tr><tr><th>No. of Blows</th><th>Relative Density</th><th>No. of Blows</th><th>Consistency</th></tr></thead><tbody><tr><td>0 - 4</td><td>Very Loose</td><td>0 - 2</td><td>Very Soft</td></tr><tr><td>5 - 10</td><td>Loose</td><td>3 - 4</td><td>Soft</td></tr><tr><td>11 - 30</td><td>Medium Dense</td><td>5 - 8</td><td>Firm</td></tr><tr><td>31 - 50</td><td>Dense</td><td>9 - 15</td><td>Stiff</td></tr><tr><td>Over 50</td><td>Very Dense</td><td>16 - 30</td><td>Very Stiff</td></tr><tr><td></td><td></td><td>31 - 50</td><td>Hard</td></tr><tr><td></td><td></td><td>Over 50</td><td>Very Hard</td></tr></tbody></table>				SAND & GRAVEL		SILT & CLAY		No. of Blows	Relative Density	No. of Blows	Consistency	0 - 4	Very Loose	0 - 2	Very Soft	5 - 10	Loose	3 - 4	Soft	11 - 30	Medium Dense	5 - 8	Firm	31 - 50	Dense	9 - 15	Stiff	Over 50	Very Dense	16 - 30	Very Stiff			31 - 50	Hard			Over 50	Very Hard	
			SAND & GRAVEL		SILT & CLAY																																										
			No. of Blows	Relative Density	No. of Blows						Consistency																																				
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Over 50	Very Dense	16 - 30	Very Stiff																																												
		31 - 50	Hard																																												
		Over 50	Very Hard																																												
	SM	Silty sands, sand - silt mixtures																																													
	SC	Clayey sands, sand - clay mixtures.																																													
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts and with slight plasticity.	<div>Correlation of Dynamic Cone Penetration Resistance with Relative Density and Consistency (Piedmont Residual Soils)</div> <table><thead><tr><th colspan="2">SAND &amp; GRAVEL</th><th colspan="2">SILT &amp; CLAY</th></tr><tr><th>No. of Blows</th><th>Relative Density</th><th>No. of Blows</th><th>Consistency</th></tr></thead><tbody><tr><td>0 - 4</td><td>Very Loose</td><td>0 - 2</td><td>Very Soft</td></tr><tr><td>5 - 15</td><td>Loose</td><td>3 - 4</td><td>Soft</td></tr><tr><td>16 - 30</td><td>Medium Dense</td><td>5 - 10</td><td>Firm</td></tr><tr><td></td><td></td><td>11 - 30</td><td>Stiff</td></tr></tbody></table>				SAND & GRAVEL		SILT & CLAY		No. of Blows	Relative Density	No. of Blows	Consistency	0 - 4	Very Loose	0 - 2	Very Soft	5 - 15	Loose	3 - 4	Soft	16 - 30	Medium Dense	5 - 10	Firm			11 - 30	Stiff															
		SAND & GRAVEL		SILT & CLAY																																											
		No. of Blows	Relative Density	No. of Blows					Consistency																																						
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	5 - 15	Loose	3 - 4	Soft																																											
	16 - 30	Medium Dense	5 - 10	Firm																																											
			11 - 30	Stiff																																											
	CL	Inorganic lays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.																																													
	OL	Organic silts and organic silty clays of low plasticity.																																													
SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.																																												
		CH	Inorganic clays of high plasticity, fat clays																																												
		OH	Organic clays of medium to high plasticity, organic silts.																																												
HIGHLY ORGANIC SOILS				PT	Peat and other highly organic soils.																																										
BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.																																															
<div><table><tr><td rowspan="2">SILT OR CLAY</td><td colspan="3">SAND</td><td colspan="2">GRAVEL</td><td rowspan="2">Cobbles</td><td rowspan="2">Boulders</td></tr><tr><td>Fine</td><td>Medium</td><td>Coarse</td><td>Fine</td><td>Coarse</td></tr><tr><td></td><td>No.200</td><td>No.40</td><td>No.10</td><td>No.4</td><td>3/4"</td><td>3"</td><td>12"</td><td></td><td></td></tr></table><p>U.S. STANDARD SIEVE SIZE</p></div>											SILT OR CLAY	SAND			GRAVEL		Cobbles	Boulders	Fine	Medium	Coarse	Fine	Coarse		No.200	No.40	No.10	No.4	3/4"	3"	12"																
SILT OR CLAY	SAND			GRAVEL		Cobbles	Boulders																																								
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25 of 724																																															

Reference: The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. 1, March, 1953 (Revised April, 1960)

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1105</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1144168.4 E 620002.8</b>		BEGUN <b>12/4/2006</b>		COMPLETED <b>12/6/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>148.8</b>	
GROUND EL. <b>257.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							




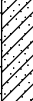
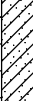




SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					257.9				
SS 1	▲		3-5-6	22				<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/8), damp, medium dense, 40% coarse grained, rounded	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		6-7-11	27				SAA except strong brown (7.5YR 5/6)	
SS 3	▲	□	6-6-7	21		5		SAA except yellowish red (5YR 5/6)	
SS 4	▲	□	4-10-13	17				SAA except yellowish brown (10YR 5/4)	
SS 5	▲		9-12-14	17		10		SAA except brown (7.5YR 4/4)	
SS 6	▲	□	6-10-12	17	244.9			SAA except dark yellowish brown (10YR 4/4)	
SS 7	▲		4-3-3	12	240.9	15		<b>CLAY, sandy (CL)-</b> Yellowish red (5YR 4/6), damp, medium stiff, low plasticity	
SS 8	▲	+ □	1-1-2	17		20		<b>SAND, clayey (SC)-</b> Yellowish red (5YR 5/6), damp, very loose, rounded	Water level depth at end of 12/04/2006 = Ground surface
SS 9	▲	□	3-7-10	18		25		SAA except yellowish red (5YR 4/6), loose	
SS 10	▲		8-7-17	22		30		<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/4), damp, medium dense, rounded, contains pale yellow (5Y 7/3) clay lenses	
SS 11	▲	□	7-10-12	20	225.9			<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/6), damp, medium dense, rounded	
SS 12	▲		13-13-14	13	220.9	35		<b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/8), wet, medium dense, 40% coarse grained, rounded	
SS 13	▲	□	7-9-10	10		45		SAA except reddish yellow (7.5YR 6/6 and 7.5YR 6/8), damp	
SS	▲		5-4-4	21	210.9			<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/6), wet, loose, rounded	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1105</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1105
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					205.9				
SS 15	▲		3-4-6	27		55		CLAY, sandy (CH) - Pale yellow (5Y 7/3), damp, stiff, medium plasticity, -HCL	
SS 16	▲		8-10-10	24		60		SAA except very stiff, +HCL	
SS 17	▲		20-11-14	22		65		SAA except pale yellow (5Y 8/2)	
SS 18	▲		20-15-26	17		70		CLAY (CH) - Pale yellow (5Y 8/3), damp, hard, medium plasticity, +HCL	
SS 19	▲		3-3-5	27		75		SAA except pale yellow (5Y 8/4), medium stiff	
SS 20	▲		3-4-7	27		80		SAA except pale yellow (5Y 7/3), stiff	
SS 21			50/4"	4		85		*SILT (MH) - Pale yellow (5Y 8/3), damp, hard, with shell fragments, +HCL	
SS 22	▲		12-17-15	25		90		CLAY, sandy (CH) - Pale yellow (5Y 8/4), damp, hard, medium plasticity, +HCL	
SS 23	▲		16-20-16	26		95		*SAND, clayey (SC) - Pale yellow (5Y 7/4), damp, dense, rounded, with shell fragments, +HCL	
SS 24	▲		11-11-21	27		100		CLAY, with sand (CH) - Pale yellow (5Y 8/3), damp, hard, high plasticity, +HCL	
SS 25			20-50/5"	16		105		CLAY, sandy (CL) - Pale yellow (5Y 8/2), damp, hard, +HCL	
					150.9				
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-1105

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1105
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	12-12-24	19		110		<b>*CLAY, sandy with shell fragments (CH)-</b> Pale yellow (5Y 8/2), damp, hard, medium plasticity, +HCL	Water level depth at end of 12/05/2006 = Ground surface	
SS 27	⊗		▲ 13-50/6"	21		115		SAA except pale yellow (5Y 8/4)		
SS 28	⊗		▲ 16-50/5"	18		120		SAA		
SS 29	⊗	▲	8-15-17	27	135.9	125		<b>CLAY, with sand (CH)-</b> Pale yellow (2.5Y 7/4), damp, hard, medium plasticity, +HCL		
SS 30	⊗	▲	9-16-20	25	130.9	130		<b>SAND, clayey (SC)-</b> Light gray (2.5Y 7/2), damp, dense, rounded, +HCL		
SS 31	⊗	▲	16-15-17	17		135		SAA except very pale brown (10YR 8/2), wet, contains pale yellow (5Y 8/2) CLAY lenses		
SS 32	⊗	▲	7-10-13	24		140		SAA except pale yellow (2.5Y 7/3), damp, medium dense		
SS 33	⊗	▲	10-14-18	23	115.9	145		<b>SAND, silty (SM)-</b> Pale yellow (2.5Y 7/3), damp, dense, rounded, +HCL		
SS 34	⊗		▲ 50/3"	0	110.9	109.1		<b>NO RECOVERY</b> Boring terminated at 148.75 feet		
					SITE	Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1105</b>


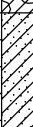


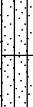




<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1107</b>	
LOGGED BY <b>C. Bruce</b>				COORDINATES <b>N 1144153.8 E 620916.1</b>		BEGUN <b>1/11/2007</b>		COMPLETED <b>1/16/2007</b>			
DRILLER <b>Poole-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>Froste MDXL</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>X02958</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>266.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				266.7					
SS 1	▲		2-2-1	21					<b>SAND (SP)</b> - Brownish yellow (10YR 6/8), dry, very loose, fine to medium grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		WOH/6"-1-	15		263.4			<b>SAND, silty (SM)</b> - Red (2.5YR 4/8), dry loose, fine to medium grained		
SS 3	▲		1-2-2	17		261.2	5		<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), moist, loose, fine to medium grained		
SS 4	▲		3-4-5	15					<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), moist, loose, fine to medium grained		
SS 5	▲		7-7-6	13			10		SAA		
SS 6	▲		8-9-9	10					SAA		
SS 7	▲		7-10-13	15		249.7	15		SAA		
SS 8	▲		5-6-7	10			20		<b>SAND, silty (SM)</b> - Red (2.5YR 4/6), moist, medium dense, fine to medium grained		
SS 9	▲		6-8-9	12		239.7	25		SAA except yellowish red (5YR 5/6), fine grained, contains CLAY lenses		
SS 10	▲		8-10-13	7		234.7	30		<b>SAND (SP)</b> - Very pale brown, (10YR 8/3), moist, medium dense, fine to medium grained		
SS 11	▲		13-13-13	17		229.7	35		<b>SAND, silty (SM)</b> - Red (2.5YR 4/6), moist, medium dense, fine grained, contains traces of CLAY		
SS 12	▲		8-11-10	11			40		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), moist, medium dense, fine grained		
SS 13	▲		7-5-4	15			45		SAA except very pale brown (10YR 7/3), wet, loose, fine to coarse grained, -HCL		
SS	▲		3-3-21	20		218.2			<b>SILT (ML)</b> - Light greenish grey (GLEYS 1 7/10Y), moist, very stiff, +HCL		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1107**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1107
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					214.7			Water level depth at end of 1/11/2007 = Ground surface  Water level depth at beginning of 1/12/2007 = 25.0 feet	
SS 15	▲		6-4-8 24		55		*CLAY (CL)- Light greenish grey (GLEY 1 7/10Y), moist, stiff, contains shell fragments, +HCL		
SS 16	▲		4-4-5 24		60		CLAY, silty (CL-ML)- Light greenish grey (GLEY 1 7/10Y), moist, stiff, contains shell fragments, +HCL		
SS 17	▲		3-4-5 24		65		SAA		
SS 18	▲		9-8-11 14		70		*SHELL HASH, clayey (GC)- Light greenish grey (GLEY 1 7/10Y), wet, medium dense, +HCL		
SS 19	▲		35-29-42 15		75		SAND with clay (SP-SC)- Light greenish grey (GLEY 1 7/10Y), wet, hard, coarse grained, contains shell fragments		
SS 20	▲		17-15-21 16		80		SAND, silty, clayey (SC-SM)- Light greenish grey (GLEY 1 7/10Y), wet, dense, coarse grained, +HCL		
SS 21	▲		18-15-22 16		85		*SHELL HASH, clayey (GC)- Light greenish grey (GLEY 1 8/10Y), wet, dense, contains traces of fine to coarse grained SAND, +HCL		
SS 22	▲		10-15-50/3" 17		90		SAND, clayey (SC)- Very pale brown (10YR 7/3), moist, very dense, +HCL		
SS 23	▲		12-13-15 15		95		SAA except wet, medium dense, medium to coarse grained		
SS 24	▲		14-21-27 14		100		*SHELL HASH, with clay and sand (GP-GC) - Pale brown (10YR 6/3), wet, dense, +HCL		
SS 25	▲		20-21-30 20		105		SAND, clayey (SP-SC)- Pale brown (10YR 6/3), wet, very dense, medium to coarse grained, contains traces of shells, +HCL		
					159.7				
				SITE Vogle Units 3 & 4 COL Project				HOLE NO.	
				Final Log				B-1107	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1107
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	19-23-23	19	154.7	110		<b>*SHELL HASH, clayey (GC)-</b> Pale brown (10YR 6/3), wet, dense	Water level depth at beginning of 1/13/2007 = 50.0 feet
SS 27	⊗	▲	21-18-18	23	149.7	115		<b>SAND, clayey (SC)-</b> Very pale brown (10YR 7/3), wet, dense, fine to coarse grained, contains shell fragments, +HCL	
SS 28	⊗	▲	10-11-8	20	120	120		<b>SAND, silty (SM)-</b> Very pale brown (10YR 7/3), wet, medium dense, fine to medium grained, +HCL	
SS 29	⊗	▲	15-19-21	16	125	125		SAA except damp, dense, non-plastic	
SS 30	⊗	▲	50/5"	6	138.2	130		<b>SAND, silty (SM)-</b> Very pale brown (10YR 7/3), wet, very dense, fine to medium grained, contains shell fragments and cemented nodules, +HCL	Top of Utley Limestone at a depth of 128.5 feet
SS 31	⊗	▲	50/6"	9.5	130.2	135		SAA except very pale brown (10YR 8/3), fine grained, contains shell fragments, non-plastic	Top of Blue Bluff Marl at a depth of 136.5 feet
SS 32	⊗	▲	23-22-40	27.5	140	140		<b>SILT (ML)-</b> Greenish grey (GLEY 1 5/1), damp, hard, low plasticity, +HCL	
SS 33	⊗	▲	14-21-50/3"	24	145	145		SAA except contains shell fragments	
SS 34	⊗	▲	15-34-30	27	116.7	150		SAA	Boring terminated at 150 feet
								Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1107

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-1108</b>	
LOGGED BY <b>C. Bruce</b>		COORDINATES <b>N 1144214.1 E 621273.0</b>		BEGUN <b>1/3/2007</b>		COMPLETED <b>1/10/2007</b>			
DRILLER <b>Poole-Gregg Drilling</b>		DRILL MAKE AND MODEL <b>Froste MDXL</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>X02958</b>		TOTAL DEPTH <b>149.8</b>	
GROUND EL. <b>273.6</b>		DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					273.6				
SS 1	▲	□	WOH/18"	16				<b>SAND, silty (SM)-</b> Yellow (10YR 7/6), moist, very loose, fine grained SAA	Top of Barnwell Group at a depth of 0.0 feet.
SS 2	▲		0-1-2	5	270.1				
SS 3	▲		0-1-2	11		5		<b>*SAND, with silt (SP-SM)</b> Yellow (10YR 7/6), moist, very loose, fine grained	
SS 4	▲		1-3-4	11	265.6			SAA except grades to a pale brown (10YR 8/2), medium grained at base of spoon	
SS 5	▲		10-19-26	19	264.6	10		<b>SAND, (SP)-</b> Light yellowish brown (10YR 6/4), wet, medium dense, coarse grained	
SS 6	▲	+	14-16-16	14				<b>*SAND, with clay (SP-SC)-</b> Yellowish red (5YR 5/6), moist, dense SAA	
SS 7	▲		9-12-16	10		15		SAA except Red (2.5YR 4/6)	
					256.6				
SS 8	▲	□	5-7-9	11	251.6	20		<b>*SAND, silty (SM)-</b> Red (2.5YR 4/6), moist, medium dense, medium grained	
SS 9	▲	□	8-8-10	12	246.6	25		<b>SAND, with silt (SP-SM)-</b> Red (2YR 4/8), moist, medium dense, fine to medium grained	
SS 10	▲		9-12-14	12	241.6	30		<b>SAND (SP)-</b> Reddish yellow (5YR 7/8), grades to a pinkish white (5YR 8/2) at base of spoon, moist, medium dense, fine to medium grained, little to no fines	
SS 11	▲	□	8-9-11	16	236.6	35		<b>*SAND, with silt (SP-SM)-</b> Yellowish red (5YR 5/8), moist, medium dense, medium to coarse grained with traces of shells and CLAY	
SS 12	▲	□	7-7-6	13	231.6	40		<b>*SAND, clayey (SC)-</b> Brownish yellow (10YR 6/6), moist, medium dense, traces of silt and cemented nodules	
SS 13	▲		4-3-3	11		45		<b>SAND, with clay (SP-SC)-</b> Brownish yellow (10YR 6/8), moist, loose, fine to medium grained	
SS	▲		1-2-3	22	225.1			<b>CLAY, silty (CL-ML)-</b> Light greenish gray (GLEI 1 8/5GY), moist, medium stiff, low	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1108**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1108
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								plasticity, trace of fine sand	
SS 15	⊗	▲	55-20-14	24		55		SAA, except low plasticity	
SS 16	⊗	▲	9-14-18	24		60		SAA except dark greenish gray (GLEY1 4/10GY)	
SS 17	⊗	▲	8-9-50/3"	24		211.6		<b>CLAY, sandy (CL)</b> - Light greenish gray (GLEY1 8/5GY), moist, hard, traces of angular shell fragments at base of spoon, +HCL	
SS 18	⊗	▲	13-24-19	18		206.6		<b>*SAND, clayey (SC)</b> - Light greenish gray (GLEY1 8/10Y), moist, dense, clay matrix, with shell fragments, +HCL	
SS 19	⊗	▲	9-11-13	19		201.6		<b>SAND, silty (SM)</b> - Light greenish gray (GLEY1 8/10Y), moist, medium dense, fine to medium grained, trace of sub-rounded cemented nodules, +HCL	Water level depth at end of 01/04/2007 = Ground surface
SS 20	⊗	▲	12-14-16	8		196.6		<b>SAND (SP)</b> - Very pale brown (10YR 8/2), moist, dense, medium to coarse grained, +HCL	Water level depth at beginning of 01/05/2007 = 37.0 feet
SS 21	⊗	▲	18-13-10	13		191.6		<b>*SHELL HASH (GP)</b> - Very pale brown (10YR 8/2), wet, medium dense, sand and CLAY matrix, +HCL	
SS 22	⊗	▲	16-24-32	16		186.6		<b>*SAND, clayey (SC)</b> - Very pale brown (10YR 8/2), moist, very dense	
SS 23	⊗	▲	16-21-22	13		95		SAA except very pale brown (10YR 7/3), dense, fine to medium coarse SAND, trace of subangular shell fragments, trace of silt, +HCL	
SS 24	⊗	▲	13-16-18	15		100		SAA	
SS 25	⊗	▲	18-30-23	19		171.6		<b>*SAND, with clay (SP-SC)</b> - Very pale brown (10YR 7/3), wet, very dense, contains shell fragments, medium to coarse SAND, +HCL	Water level depth at end of 01/07/2007 =
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1108

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1108
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	17-21-16	19		110		SAA except dense	Ground surface Water level depth at beginning of 01/08/2007 = 58.0 feet
SS 27	⊗	▲	12-20-20	19		115		SAA	
SS 28	⊗	▲	21-21-26	21		156.6		SAND, silty (SM)- Very pale brown (10YR 7/3), wet, dense, sand fine to medium grained, traces of clay and shell fragments, +HCL	Top of Utley Limestone at a depth of 122.0 feet
SS 29	⊗	▲	50/1"	2		151.6		*SAND, clayey (SC)- Very pale brown (10YR 7/4), wet, very dense, shell hash with CLAY matrix, fine to coarse grained, +HCL	
SS 30	⊗	▲	14-17-17	15		146.6		*SAND, with silt (SP-SM)- Very pale brown (10YR 7/4), wet, dense, sandy shell hash, trace of CLAY, +HCL	Water level depth at end of 01/08/2007 = Ground surface
SS 31	⊗	▲	50/5"			135		SAA	
SS 32	⊗	▲	14-26-44	24		135.1		CLAY, silty (CL-ML)- Dark greenish gray (GLEW 4/10GY), moist, hard, +HCL	Water level depth at beginning of 01/10/2007 = 58.0 feet Top of Blue Bluff Marl at a depth of 138.5 feet
SS 33	⊗	▲	17-20-28	24		145		SAA	
SS 34	⊗	▲	22-28-50/4"			123.7		SAA	Boring terminated at 149.83 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1108



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1109</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1144180.5 E 621580.6</b>		BEGUN <b>1/8/2007</b>		COMPLETED <b>1/10/2007</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>276.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	▲		1-2-1	11		276.5			<b>SAND, with silt (SP-SM)- Yellow (10YR 7/6), dry, very loose, fine grained, rounded SAA except brownish yellow (10YR 6/6), damp, loose</b>	Top of Barnwell Group at a depth of 0.0 feet.	
SS 2	▲		3-3-2	16							
SS 3	▲		1-2-2	14		271.0	5		SAA except light yellowish brown (10YR 6/4), wet		
SS 4	▲		10-12-15	17				<b>SAND, clayey (SC)- Red (2.5YR 4/8), damp, medium dense, fine grained, contains traces of pale yellow (2.5Y 7/4) and reddish yellow (7.5YR 6/8)</b>			
SS 5	▲		9-11-12	18			10		SAA		
SS 6	▲		8-8-10	16				SAA except red (2.5YR 5/8) and reddish yellow (7.5YR 7/8), damp, medium dense, fine grained, rounded			
SS 7	▲		8-8-9	16		260.5	15		SAA except red (2.5YR 5/8)		
SS 8	▲		6-7-11	18				<b>SAND, with silt (SP-SM)- Reddish yellow (5YR 6/6), wet, medium dense, medium grained, rounded</b>			
SS 9	▲		7-8-12	11		249.5	25		SAA		
SS 10	▲		10-6-7	11		245.5	30		<b>SAND, silty (SM)- Light red (2.5YR 6/8), moist, loose, contains yellow (10YR 8/6), fine grained, rounded</b>		
SS 11	▲		8-9-12	10		239.5	35		<b>SAND, with silt (SP-SM)- Reddish yellow (7.5YR 6/8), wet, medium dense, medium grained, rounded</b>		
SS 12	▲		4-6-7	11		234.5	40		<b>SAND, clayey, (SC)- Brownish yellow (10YR 6/6), moist, medium dense, medium grained, rounded</b>		
SS 13	▲		3-3-5	20		230.5	45		<b>CLAY, sandy (CL)- Pale yellow (2.5Y 7/3), moist, medium stiff, low plasticity</b>		
SS	▲		18-13-18	18				<b>*CLAY, silty (CL-ML)- Pale yellow (5Y 8/2), damp, hard, medium plasticity, contains</b>			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1109**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1109
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					224.5		shell fragments, +HCL	Water level depth at end of 01/08/2007 = Ground surface	
SS 15	⊗	▲	9-20-16	27	55		<b>SILT (ML)</b> - Pale yellow (5Y 8/3), damp, hard, low plasticity, +HCL	Water level depth at beginning of 01/09/2007 = 29.0 feet	
SS 16	⊗	▲	9-9-14		60		<b>CLAY (CL)</b> - Greenish gray (GLEY1 5/1), damp, very stiff, low plasticity, +HCL		
SS 17	⊗		50/3"	4	65		SAA except wet, hard, medium plasticity		
SS 18	⊗	▲	23-36-45	20	70		<b>*CLAY, with shell hash (CL)</b> - Pale yellow (2.5Y 8/4) and yellow (2.5Y 8/6), moist, hard, medium plasticity, +HCL		
SS 19	⊗	▲	13-13-18	23	75		SAA except pale yellow (5Y 8/2)		
SS 20	⊗	▲	13-17-32	20	80		SAA except pale yellow (2.5Y 8/4), damp		
SS 21	⊗	▲	18-12-20	17	85		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/2 and 5Y 8/3), damp, dense, fine grained, contains shell fragments, +HCL		
SS 22	⊗		24-28-50/5"	17	90		SAA except pale yellow (2.5Y 8/2), very dense		
SS 23	⊗	▲	14-18-22	20	95		<b>SAND, clayey (SC)</b> - Very pale brown (10YR 8/2), damp, dense, medium grained, +HCL		
SS 24	⊗	▲	18-28-22	18	100		SAA		
SS 25	⊗	▲	16-22-24	22	105		<b>SAND, with clay (SP-SC)</b> - Very pale brown (10YR 8/2), damp, dense, fine grained, contains shell fragments, +HCL	End logging by M. Herrera Begin logging by A. Taylor	
				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1109	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1109		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗	▲				10-15-17	23		110		<b>SAND (SP)</b> - Yellow (2.5Y 8/6), damp, dense, medium grained, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 117.0 feet.  Water level depth at beginning of 01/10/2007 = 49.0 feet         Top of Blue Bluff Marl at 131.6 feet	
SS 27	⊗	▲				16-16-18	20		115		SAA except medium to coarse grained		
SS 28	⊗					▲ 50/2"	0		120		<b>NO RECOVERY</b>		
SS 29	⊗					▲ 50/1"	0		125		<b>NO RECOVERY</b>		
SS 30	⊗					▲ 50/2"	1		130		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/2), damp, very dense, coarse grained, contains shell fragments, +HCL		
SS 31	⊗					▲ 46-34-50/6"	25		135		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GEY1 5/5GY), damp, hard, +HCL		
SS 32	⊗	▲				12-14-16	27		140		SAA except very stiff and contains shell fragments		
SS 33	⊗					▲ 16-50/5.5"	22		145		<b>SILT (ML)</b> - Greenish gray (GEY1 5/5GY), damp, hard, +HCL		
SS 34	⊗	▲				16-17-30	27		150		SAA		
											Boring terminated at 150 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1109	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1110</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1144170.9 E 622011.3</b>		BEGUN <b>12/6/2006</b>		COMPLETED <b>12/11/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>265.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %  20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	▲		4-6-7	21		265.1			<b>SAND, silty (SM)</b> - Strong brown (7.5YR 4/6), damp, medium dense, rounded SAA except strong brown (7.5yr 5/8), loose	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		5-3-3	21							
SS 3	▲		1-2-2	15		5		SAA except yellowish red (5YR 5/8)			
SS 4	▲		2-2-3	14				SAA except wet			
SS 5	▲		2-4-5	13		10		SAA			
SS 6	▲		5-5-7	14				SAA except reddish yellow (5YR 6/8), medium dense			
SS 7	▲		5-6-8	12		15		SAA			
SS 8	▲		6-8-10	15		20		<b>SAND, clayey (SC)</b> - Reddish yellow (5YR), damp, medium dense, rounded			
SS 9	▲		6-5-8	16		25		SAA except yellowish red (5YR 5/8)			
SS 10	▲		5-6-7	20		30		SAA except yellow (10YR 7/6)			
SS 11	▲		3-4-3	27		35		<b>CLAY (CH)</b> - Pale yellow (5Y 8/3), damp medium stiff, medium plasticity, -HCL			
SS 12	▲		6-7-16	27		40		SAA except very stiff, +HCL			
SS 13	▲		8-30-32	27		45		<b>SILT (ML)</b> - Greenish gray (GLE1 5/1), dry, hard, low plasticity, +HCL			
SS	▲		17-33-33	27				SAA			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1110**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1110
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					213.1				
SS 15	×		▲ 10-50/3"	12		55		CLAY, silty (CL-ML)- Pale yellow (5Y 8/3), dry, hard, medium plasticity, +HCL	
SS 16	×		20-30-40	17	208.1	60		*CLAY, with shell hash (CL)- Yellow (2.5Y 8/6), dry, hard, +HCL	
SS 17	×		20-23-20	20		65		SAA except sandy and damp	
SS 18	×		28-30-25	17		70		SAA except pale yellow (5Y 8/4)	
SS 19	×	▲	19-13-15	15	193.1	75		*SAND, silty with shell fragments (SM)- Pale yellow (2.5Y 8/4), damp, medium dense, +HCL	Water level depth at end of 12/06/2006 = Ground surface
SS 20	×	▲	16-16-17	20	188.1	80		CLAY, sandy (CH)- Pale yellow (2.5Y 8/3), and yellow (2.5Y 7/6), damp, hard, medium plasticity, +HCL	Water level depth at beginning of 12/07/2006 = 15.83 feet
SS 21	×	▲	20-16-18	15	183.1	85		*CLAY, with shell hash (CL)- Pale yellow (2.5Y 8/4), damp, hard, low plasticity, +HCL	
SS 22	×	▲	10-11-9	20	178.1	90		*SAND, clayey (SC)- Yellow (10YR 7/6), damp, medium dense, with shell fragments, +HCL	
SS 23	×	▲	8-8-8	27	173.1	95		CLAY (CH)- Pale yellow (5Y 8/4), dry, very stiff, medium plasticity, +HCL	
SS 24	—		50/1"	0	168.1	100		NO RECOVERY	Top of Utley Limestone at a depth of 97.0 feet
SS 25	×		12-13-50/3"	15	163.1	105		SAND, with silt (SP-SM)- Very pale brown (10YR 7/3), wet, very dense, coarse grained, rounded, +HCL	
					158.1				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1110

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1110
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26			▲ 50/1" 0		110		NO RECOVERY		
SS 27			▲ 10-50/2" 10		115		*CLAY, silty, with cemented nodules (CL-ML) - Very pale brown (10YR 8/3), damp, hard, +HCL		
SS 28		▲	18-19-22 27		120		CLAY (CH) - Greenish gray (GLE Y 1 5/1), dry, hard, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 118.0 feet	
SS 29		▲	14-16-32 27		125		*CLAY, with shell fragments (CL) - Greenish gray (GLE Y 1 5/1), dry, hard, +HCL		
SS 30			▲ 18-20-50/1" 25		130		SAA except greenish gray (GLE Y 1 6/1)		
SS 31			▲ 50/3" 10		135		CLAY (CH) - Greenish gray (GLE Y 1 5/1), damp, hard, medium plasticity, +HCL	Water level depth at end of 12/07/2006 = Ground surface	
SS 32		▲	14-22-22 27		140		SAA	Water level depth at beginning of 12/11/2006 = 37.0 feet	
SS 33			▲ 24-50/3" 17		145		SAA		
SS 34		▲	15-42-28 17		150		SAA except greenish gray (GLE Y 1 6/1)		
							Boring terminated at 150 feet		
SITE				Vogtle Units 3 & 4 COL Project				HOLE NO.	
				Final Log				B-1110	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1111</b>	
LOGGED BY <b>B. Mabie</b>				COORDINATES <b>N 1144212.6 E 622333.8</b>		BEGUN <b>1/19/2007</b>		COMPLETED <b>1/23/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>224.9</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %  20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X	▲	13-8-6	10		224.9			<b>SAND, with silt (SP-SM)</b> - Light red (2.5YR 6/8), moist, medium dense, fine to medium grained, nonplastic, -HCL SAA except moist to wet	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	10-12-14	12		221.7		<b>CLAY (CL)</b> - Pale yellow (5Y 7/3), moist, stiff, low plasticity, +HCL SAA except greenish gray (GLE1 5/10GY), very stiff			
SS 3	X	▲	4-8-6	15			5				
SS 4	X	▲	5-9-18	18		216.9					
SS 5	X	▲	6-12-12	18			10	<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE1 5/10GY), moist, very stiff, low plasticity, +HCL SAA except pale yellow (5Y 7/4), contains shell fragments			
SS 6	X	▲	6-9-8	18		211.9					
SS 7	X	▲	50/3"	3			15	<b>SAND, with clay (SP-SC)</b> - Pale yellow (5Y 7/4), wet, very dense, contains shell fragments, low plasticity, +HCL SAA except yellow (10YR 7/8), dense, fine to medium grained			
SS 8	X	▲	12-17-19	15		203.2					
SS 9	X	▲	7-9-12	18		198.2		<b>CLAY, silty (CL-ML)</b> - Pale yellow (5Y 7/4), moist, very stiff, low plasticity, contains shell fragments, +HCL			
SS 10	X	▲	10-13-19	18		193.2		<b>CLAY (CL)</b> - Yellow (10YR 7/6), moist, hard, low to medium plasticity, contains shell hash, +HCL			
SS 11	X	▲	8-11-13	13			35	<b>SAND, with clay (SP-SC)</b> - Yellow (2.5Y 8/6), moist, medium dense, low plasticity, fine to medium grained, contains shell hash, +HCL SAA except dense			
SS 12	X	▲	25-22-18	17			40				
SS 13	X	▲	8-12-11	16		178.2		SAA except yellow (10YR 7/8), medium dense, nonplastic to low plasticity, contains shell fragments			
SS	X	▲	20-14-18	16				<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), wet, dense, fine grained, low plasticity, +HCL			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1111**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1111
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	⊗	▲	15-17-22	16		55		SAA except yellow (10YR 8/6), moist, medium dense, contains shell hash	
SS 16	⊗		21-17-50/4"	13		60		SAND, with clay (SP-SC)- Yellow (10YR 8/6), moist, very dense, fine to medium grained, contains shell hash, +HCL	
SS 17	⊗	▲	10-13-13	15		65		SAA except yellow (2.5Y 7/6), medium dense, low plasticity, contains shell fragments	
SS 18	⊗		50/2"	0.5		70		SAA except wet, very dense, nonplastic to low plasticity, fine grained	Water level depth at beginning of 1/22/2007 = 54.6 feet
SS 19	⊗		50/2"	0.125		75		SAND (SP)- Pale yellow (2.5Y 8/2), dry, very dense, nonplastic, contains shell fragments, +HCL	Installed 3" steel casing to a depth of 70.0 feet
SS 20	⊗		50/2"	2		80		SAA	Top of Utley Limestone at a depth of 71.5 feet
SS 21	⊗	▲	8-12-14	18		85		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10GY), moist, very stiff, low plasticity, contains shell fragments, +HCL	Loss of circulation at a depth of 74.5 feet
SS 22	⊗	▲	7-11-18	18		90		SAA	Water level depth at end of 1/22/2007 = 77.6 feet
SS 23	⊗	▲	15-30-36	18		95		CLAY, silty with sand (CL-ML)- Greenish gray (GLE Y1 5/10GY), moist, hard, fine grained SAND, low plasticity, contains shell fragments, +HCL	Water level depth at beginning of 1/23/2007 = 78.6 feet
SS 24	⊗		31-50/5"	14		100		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10GY), moist, hard, low plasticity, contains shell fragments, +HCL	
SS 25	⊗		19-50/3"	12		105		SAA	
						118.2			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1111



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1111				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗						10-23-29	18		110		CLAY (CL)- Greenish gray (GLEY1 5/10GY), moist, hard, low plasticity, contains shell fragments, +HCL		
SS 27	⊗						26-18-23	18		115		SAA		
SS 28	⊗						10-50/2"	13		120		SAA except greenish gray (GLEY1 6/5GY)		
SS 29	⊗						8-12-18	18		125		SAA except very stiff		
SS 30	⊗						19-17-19	18		130		SAA except hard, contains no shell fragments		
SS 31	⊗						8-29-39	18		135		SAA		
SS 32	⊗						7-11-12	18		140		SAA except very stiff, contains some shell fragments		
SS 33	⊗						15-50/5"	14		145		SAA except hard, contains abundant shell hash		
SS 34	⊗						10-12-16	18		150		SAND, silty, clayey (SC-SM)- Greenish black (GLEY1 3/10Y), moist, medium dense, fine grained, nonplastic to low plasticity, -HCL Boring terminated at 150 feet	Top of Still Branch Formation at a depth of 146.75 feet	
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1111	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>B-1112</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1144223.4 E 622691.3</b>		BEGUN <b>1/9/2007</b>		COMPLETED <b>1/9/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>23.0</b>	
GROUND EL. <b>213.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							213.7				
SS 1	▲			4-8-5	18		212.7			<b>SAND, silty with gravel (SM)-</b> Dark greyish brown (10YR 4/2), dry, medium dense, fine to coarse grained	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet
SS 2	▲			4-5-6	20				<b>SAND, silty with gravel (SM)-</b> Red (2.5YR 4/6), dry, medium dense, fine grained		
SS 3	▲			3-2-3	15		208.2	5	SAA except violet red (10R 5/3), contains traces of CLAY		
SS 4	▲			4-6-6	15		205.7		<b>SAND, silty, clayey (SC-SM)-</b> Violet red (10R 5/3), damp, medium dense, fine grained		
SS 5	▲			4-3-10	12		203.2	10	<b>CLAY, sandy (CL)-</b> Light olive brown (2.5Y, 5/3), damp, stiff, fine grained		
SS 6	▲			1-1-2	17				<b>CLAY, silty (CL-ML)-</b> Light yellowish brown (2.5Y 6/4), damp, soft		
SS 7	▲			0-1-1	8		196.7	15	SAA except yellow (2.5Y 7/8), contains shell fragments		
SS 8	▲			4-4-4	14		190.7	20	<b>SAND, clayey (SC)-</b> Yellow (5Y 8/6), damp, loose, contains shell fragments		
										Boring terminated at 23 feet. Drilling halted by T. McCallum with Southern Nuclear Company due to concerns about proximity to existing switchyard.	

PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b> <b>Final Log</b>	HOLE NO. <b>B-1112</b>
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1112A</b>	
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1144219.4 E 622561.5</b>		BEGUN <b>2/28/2007</b>		COMPLETED <b>3/2/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>227.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							227.1				
SS 1	X	▲		7-8-8	10		223.9			<b>SAND, silty with gravel (SM)-</b> Red (10R 5/6), damp, medium dense, nonplastic, -HCL SAA except light red (10R 7/6)	Top of Barnwell Group at a depth of 0.0 feet.
SS 2	X	▲		10-11-15	14		221.6	5		<b>SAND, silty (SM)-</b> Red (2.5YR 5/6), moist, medium dense, nonplastic, -HCL	
SS 3	X	▲		7-13-16	12						
SS 4	X	▲		2-8-14	14						
SS 5	X	▲		4-4-5	16		10		<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (5YR 7/6), moist, medium dense, nonplastic, -HCL SAA except red (2.5YR 4/6), loose, low plasticity		
SS 6	X	▲		6-10-14	17		214.1		SAA except red (2.5YR 4/8), damp, medium dense		
SS 7	X	▲		16-25-23	20		15		<b>SAND, silty (SM)-</b> Reddish yellow (5YR 6/8), moist, dense, nonplastic, -HCL		
							210.1				
SS 8	X	▲		25-35-28	18		20		<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (5YR 6/6), damp, very dense, nonplastic, -HCL		
							205.1				
SS 9	X	▲		8-10-13	20		25		<b>SAND, clayey (SC)-</b> Light red (2.5YR 7/8), damp, medium dense, medium plasticity, -HCL		
SS 10	X	▲		5-6-9	18		30		SAA except reddish yellow (7.5YR 6/6), moist, low plasticity		
SS 11	X	▲		3-4-5	21		35		SAA except reddish yellow (5YR 7/8), loose, medium plasticity		
							190.1				
SS 12	X	▲		5-4-4	10		40		<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (7.5YR 7/8), damp, loose, nonplastic, -HCL		
SS 13	X	▲		2-3-1	4		45		SAA except reddish yellow (7.5YR 6/8), low plasticity		
SS	X	▲		1-2-3	11				SAA except reddish yellow (7.5YR 7/8), moist, nonplastic to low plasticity		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1112A**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1112A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		3-2-2	10		55		SAA except medium grained, low plasticity	
SS 16	▲		1-3-2	5		60		<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6), moist, loose, medium grained, nonplastic, -HCL	
SS 17	▲		WOH/6"-2-2	14		65		SAA except very pale brown (10YR 8/4)	
SS 18	▲		WOR/18"	7		70		<b>SAND, with silty clay (SP-SC)-</b> Yellow (10YR 7/6), moist, very loose, medium grained, nonplastic, -HCL	
SS 19	▲		WOR/18"	4		75		SAA	
SS 20	▲		18-5-4	18		80		<b>*SILT, sandy with cemented layers (ML)-</b> Very pale brown (10YR 8/4), moist, loose, nonplastic, contains fragments of parent material, +HCL	Top of Blue Bluff Marl at a depth of 82.0 feet
SS 21	▲		5-9-12	24		85		<b>CLAY, silty, sandy (CL-ML)-</b> Grayish brown (2.5Y 5/2), moist, stiff, medium plasticity, +HCL	
SS 22	▲		15-19-22	23		90		SAA except dark greenish gray (4/5GY), hard, nonplastic to low plasticity, contains shell hash	
SS 23	▲		10-15-25	24		95		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLE Y1 6/10GY), damp, hard, low plasticity, contains shell hash, +HCL	Water level depth at beginning of 3/1/2007 = 70 feet
SS 24	▲		1-17-50/5"	23		100		SAA except greenish gray (GLE Y1 6/5GY)	
SS 25	▲		50/5"	8		105		SAA except greenish gray (GLE Y1 6/10Y), moist, nonplastic to low plasticity, contains shell fragments	
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1112A</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1112A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	30-17-21	28		110		SAA except light greenish gray (GLE Y1 7/10Y), damp, low plasticity, contains minor shell hash	
SS 27	⊗	▲	30-31-45	26		115		SAA except greenish gray (GLE Y1 6/10Y)	
SS 28	⊗	▲	20-15-40	26		120		SAA except light greenish gray (GLE Y1 7/10Y)	
SS 29	⊗	▲	31-46-30	26		125		<b>SILT, with sand (ML)</b> - Light greenish gray (GLE Y1 7/10Y), damp, hard, nonplastic, +HCL	
SS 30	⊗	▲	11-17-17	27		130		<b>CLAY, silty with sand (CL-ML)</b> - Light greenish gray (GLE Y1 7/10Y), damp, hard, nonplastic, +HCL	
SS 31	⊗	▲	15-17-21	25		135		SAA	
SS 32	⊗	▲	26-28-19	25		140		<b>CLAY, silty (CL-ML)</b> - Light greenish gray (GLE Y1 7/5GY), moist, hard, medium plasticity, +HCL	
SS 33	⊗	▲	9-11-11	23		145		<b>SILT, with sand (ML)</b> - Light greenish gray (GLE Y1 7/5GY), damp, very stiff, low plasticity, +HCL	
SS 34	⊗	▲	2-8-12	18		150		<b>SAND, silty (SM)</b> - Very dark greenish gray (GLE Y2 3/10Y), moist, medium dense, nonplastic to low plasticity, -HCL Boring terminated at 150 feet	Top off Still Branch Formation at a depth of 147.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1112A

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-1113</b>	
LOGGED BY <b>B. Mabie</b>				COORDINATES <b>N 1143901.4 E 620217.2</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>2/14/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>170.0</b>	
GROUND EL. <b>250.0</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						250.0					
SS 1	X	▲	3-5-6	12					*SAND, with silt (SP-SM)- Red (2.5YR 5/8), damp, medium dense, fine grained, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	10-8-9	15					SAA		
SS 3	X	▲	4-4-4	12		5		SAA except red (2.5YR 4/8), moist, loose			
SS 4	X	▲	3-3-3	13				SAA			
SS 5	X	▲	3-4-5	10		10		SAA			
SS 6	X	▲	3-4-5	8				SAA except yellowish brown (10YR 5/4), fine to medium grained			
SS 7	X	▲	4-6-7	10		15		SAA except yellowish red (5YR 5/6), medium dense, fine grained			
						233.0					
SS 8	X	▲	4-6-8	10		20		*SAND (SP)- Red (2.5YR 4/8), damp, medium dense, fine grained, nonplastic, -HCL			
SS 9	X	▲	5-6-8	8		25		SAA			
SS 10	X	▲	4-5-7	6		30		SAA			
						218.0					
SS 11	X	▲	4-5-4	11		35		*CLAY, with sand (CL)- Brownish yellow (10YR 6/6), damp, stiff, nonplastic to low plasticity, -HCL			
						213.0					
SS 12	X	▲	-WOH/12"	7		40		SAND, silty (SM)- Brownish yellow (10YR 6/6), wet, very loose, fine grained, nonplastic, -HCL			
						208.0					
SS 13	X	▲	-WOH/18"	10		45		SILT, with sand (ML)- Light brownish gray (2.5Y 6/2), wet, very soft, nonplastic, -HCL			
						203.2					
SS	X	▲	22-33-13	16				CLAY, silty with sand (CL-ML)- Light gray (2.5Y 7/2), wet, hard, low plasticity, contains			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE


SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1113**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-1113
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						198.0		shell hash, +HCL	Installed 3" steel casing to a depth of 50.0 feet
SS 15	▲		3-3-4	18		55		<b>CLAY, silty (CL-ML)</b> - Light gray (5Y 7/2), moist, stiff, low plasticity, contains scarce shell fragments, +HCL	
SS 16	▲		2-3-5	18		60		SAA	
SS 17	▲		3-4-4	18		65		SAA except medium stiff	
SS 18			▲ 6-13-50/2"	14		70		SAA except hard	
SS 19			▲ 25-50/5"	8		75		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 8/2), wet, hard, nonplastic to low plasticity, contains abundant shell hash, +HCL	
SS 20		▲	6-12-23	18		80		<b>SAND, with silty clay (SP-SC)</b> - Light yellowish brown (2.5Y 6/4), wet, dense, nonplastic to low plasticity, contains shell hash, +HCL	
SS 21		▲	7-20-24	18		85		SAA	
SS 22		▲	18-19-25	15		90		SAA except light gray (2.5Y 7/2)	Water level depth at end of 2/13/07 = Top of Casing
SS 23		▲	14-10-18	15		95		SAA except medium dense, fine grained	Water level depth at beginning of 2/14/07 = 31.42 feet
SS 24		▲	11-18-18	16		100		SAA except dense	
SS 25		▲	14-14-14	15		105		SAA	
						143.0			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1113

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-1113			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)	○ WATER CONTENT %	+ ATT. LIMITS %	FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60									
SS 26	⊗	▲				24-20-30	18			110		CLAY, silty (CL-ML)- Light gray (2.5Y 7/2), wet, hard, low plasticity, contains shell hash, +HCL	
SS 27	⊗	▲				12-14-37	18			115		SAA	
SS 28	⊗	▲				7-8-12	18			120		SAND, with clay (SP-SC)- Yellow (10YR 7/6), wet, medium dense, nonplastic to low plasticity, contains shell fragments, +HCL	
SS 29	⊗	▲				9-11-13	18			125		SAND, with silty clay (SP-SC)- Pale brown (10YR 6/3), wet, medium dense, fine grained, nonplastic to low plasticity, contains shell fragments	
SS 30	⊗	▲				10-11-13	16			130		SAND, with silt (SP-SM)- Pale brown (10YR 6/3), wet, medium dense, fine grained, nonplastic, contains shell fragments, +HCL	
SS 31	⊗	▲				18-36-43	9			135		SAND (SP)- Pale brown (10YR 6/3), wet, very dense, fine to medium grained, nonplastic, contains shell fragments, +HCL	
SS 32	⊗	▲				50/4"	2			140		SAND, with silty clay (SP-SC)- Pale brown (10YR 6/3), wet, very dense, nonplastic to low plasticity, contains shell fragments and cemented SAND grains, +HCL	Top of Utley Limestone at a depth of 137.0 feet
SS 33	⊗	▲				50/3"	0			145		NO RECOVERY	
SS 34	⊗	▲				50/1"	0			150		NO RECOVERY	
SS 35	⊗	▲				10-50/5"	18			155		CLAY, silty (CL-ML)- Dark greenish gray (GLE Y 1 4/10GY), moist, hard, low plasticity, contains scarce shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 151.75 feet
SS 36	⊗	▲				50/5"	5			160		SAA	
SS	⊗	▲				13-18-43	18					SAA	
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1113



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-1113	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37	×					165			
SS 38	×	▲	17-15-28	18	80.0	170		SAA  Boring terminated at 170 feet	Water level depth at end of 2/14/07 = 38.42 feet
					SITE		Vogle Units 3 & 4 COL Project <b>Final Log</b>		HOLE NO. <b>B-1113</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1116</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1143894.1 E 621264.7</b>		BEGUN <b>12/14/2006</b>		COMPLETED <b>12/15/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>138.5</b>	
GROUND EL. <b>261.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20   40   60   80				261.8					
SS 1	▲		1-1-1	20					<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), damp, very loose, fine grained, rounded	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	□		1-1-1	21					SAA		
SS 3	▲		1-2-3	23		5		SAA except light yellowish brown (10YR 6/4), wet, loose			
SS 4	▲		2-2-4	15				SAA except very pale brown (10YR 7/4), damp			
SS 5	▲		5-15-22	25		10		SAA except dense			
SS 6	○		15-18-21	27				<b>*SAND, clayey (SC)-</b> Red (2.5YR 4/8), damp, dense, medium grained, rounded			
SS 7	○		14-18-22	25		15		SAA			
SS 8	▲		10-14-18	14		20		SAA			
SS 9	○		15-17-20	15		25		SAA			
SS 10	▲		10-10-20	20		30		<b>CLAY, with sand (CL)-</b> Red (2.5YR 4/8), reddish yellow (7.5YR 6/8), and pale yellow (5Y 8/2), damp, very stiff, medium plasticity			
SS 11	▲		5-5-5	13		35		<b>*SAND, clayey (SC)-</b> Yellowish brown (10YR 5/8), damp, loose, medium grained, subrounded			
SS 12	▲		2-2-3	18		40		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 7/4), wet, loose, medium grained			
SS 13	▲		6-3-5	27		45		<b>CLAY (CL)-</b> Pale yellow (5Y 8/3), damp, medium stiff, medium plasticity, +HCL			
SS	▲		3-3-4	27		214.8		<b>CLAY, silty (CL-ML)-</b> Pale yellow (5Y 8/3), damp, medium stiff, medium plasticity, +HCL			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1116**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1116
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14										
SS 15	▲		2-3-4	27		55		SAA		
SS 16	▲		4-4-3	27		60		SAA except pale yellow (5Y 7/4)		
SS 17	▲		24-26-25	17	199.8	65		*CLAY, with shell hash (CL)- Pale yellow (5Y 8/2), damp, hard, +HCL		
SS 18	▲		8-4-6	25	194.8	70		CLAY, silty (CL-ML)- Pale yellow (5Y 8/3), damp, stiff, medium plasticity, +HCL		
SPT 19	▲		7-12-20	26	184.8	75		SAA except hard, contains shell fragments		
SS 20	▲		11-11-9	22	179.8	80		*CLAY (CL)- Pale yellow (5Y 8/2), damp, very stiff, contains shell fragments, +HCL		
SS 21	▲		10-14-16	19	174.8	85		*CLAY, sandy (CL)- Pale yellow (5Y 8/2), damp, very stiff, low plasticity, contains shell fragments, +HCL		
SS 22	▲		12-14-24	22	169.8	90		SAND, with clay (SP-SC)- Very pale brown (10YR 8/2), damp, dense, fine grained, subrounded, +HCL		
SS 23	▲		10-16-12	21	164.8	95		*CLAY, sandy (CL)- Very pale brown (10YR 8/2), damp, very stiff, contains shell fragments, +HCL		
SS 24	▲		13-16-13	21		100		SAND, clayey (SC)- Pale yellow (5Y 8/2), wet, medium dense, fine grained, contains shell fragments, +HCL		
SS 25	▲		30-25-27	17		105		SAA except pale yellow (2.5Y 8/2), dry, very dense	Water level depth at end of 12/14/06 = Ground surface	
					154.8				Water level depth at beginning of 12/15/06 = 27.0 feet	
SITE					Vogle Units 3 & 4 COL Project					HOLE NO.
					Final Log					B-1116

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1116	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80							
SS 26		▲	13-12-14	13		110		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/3), wet, medium dense, medium grained, rounded, +HCL	Top of Utley Limestone at a depth of 117.0 feet  Loss of circulation at a depth of 122.0 feet  Top of Blue Bluff Marl at a depth of 127.0 feet
SS 27			▲ 13-50/2"	14	149.8	115		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/3), wet, very dense, medium grained, rounded, +HCL	
SS 28			▲ 50/0"	0	144.8			<b>NO RECOVERY</b>	
SS 29			▲ WOH/18"	27	139.8			<b>SILT (ML)</b> - Light yellowish brown (2.5Y 6/4) and brownish yellow (10YR 6/8), damp, very soft, -HCL	
SS 30			▲ 13-17-50/4"		134.8			<b>*SILT (ML)</b> - Greenish gray (GLE Y1 5/1), dry, hard, contains Limestone fragments +HCL	
SS 31		▲		27	129.8	135		<b>CLAY (CL)</b> - Greenish gray (GLE Y1 5/1), dry, hard, medium plasticity, contains shell fragments, +HCL	
SS 32			▲ 50/0"	0	124.8	123.3		<b>NO RECOVERY</b> Boring terminated at 138.5 feet	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-1116

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1117</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1143890.8 E 621628.4</b>		BEGUN <b>1/31/2007</b>		COMPLETED <b>2/2/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>149.3</b>	
GROUND EL. <b>263.9</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						263.9					
SS 1	▲		1-1-1	15					<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), dry, very loose, fine grained, nonplastic SAA	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		1-1-1	18							
SS 3	▲		1-2-2	10		5		SAA except damp			
SS 4	▲		2-2-2	11				SAA			
SS 5	▲		3-4-9	10.5		10		SAA except very pale brown (10YR 7/3), medium dense			
SS 6	▲		13-20-18	13				<b>SAND, clayey (SC)-</b> Red (2.5YR 4/8), damp, dense, fine grained, low plasticity			
SS 7	▲		18-18-17	11		15		SAA			
SS 8	▲		7-10-9	11		20		SAA except moist, medium dense, contains CLAY seams			
SS 9	▲		5-2-8	13		25		SAA except yellowish red (5YR 5/8), fine to coarse grained			
SS 10	▲		4-8-9	14		30		SAA			
SS 11	▲		3-3-5	12		35		<b>SAND, with clay (SP-SC)-</b> Yellow (10YR 7/6), damp, loose, low plasticity, contains traces of phosphates			
SS 12	▲		3-3-3	18		40		SAA except pale yellow (5Y 8/2), -HCL			
SS 13	▲		8-11-11	18		45		<b>CLAY, silty (CL-ML)-</b> Pale yellow (5Y 7/4), dry to damp, very stiff, medium plasticity, contains traces of shell fragments, +HCL			
SS	▲		7-14-12	18				SAA except greenish gray (GLE1 5/5G), low plasticity			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1117**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1117
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14										
SS 15	▲		7-8-8	18		55		SAA except pale yellow (5Y 7/4)		
SS 16	▲		16-50/3"	7		60		SAA except pale yellow (5Y 7/3), hard, contains many shell fragments		
SS 17	▲		23-29-29	12	201.9	65		SAND, clayey (SC)- Yellow (2.5Y 7/6), dry to damp, very dense, fine to medium grained, low plasticity, contains many shell fragments, +HCL		
SS 18	▲		7-23-35	16	191.9	70		SAA except pale yellow (5Y 8/3), contains trace shell fragments with cemented SAND		
SS 19	▲		12-13-12	18	186.9	75		SAND, with clay (SP-SC)- Pale yellow (5Y 8/2), dry to damp, medium dense, fine grained, low plasticity, contains trace of phosphate and cemented grains, +HCL		
SS 20	▲		10-12-18	12		80		SAND, clayey (SC)- Pale yellow (5Y 8/3), dry to damp, dense, fine to coarse grained, low plasticity, contains traces of phosphate grains and shell fragments, +HCL		
SS 21	▲		9-11-12	13		85		SAA except olive yellow (2.5Y 6/8), medium dense		
SS 22	▲		30-13-20	15	171.9	90		SAA except pale yellow (2.5Y 8/4), dense, fine to medium grained, contains cemented SAND		
SS 23	▲		8-7-7	18	166.9	95		CLAY, silty with sand (CL-ML)- Pale yellow (5Y 8/3), dry to moist, stiff, fine grained SAND, contains many shell fragments and trace phosphates, +HCL		
SS 24	▲		32-9-17	16.5		100		SAND, clayey (SC)- Pale yellow (2.5Y 8/2), moist, medium dense, fine to coarse grained, contains trace shell fragments and phosphate grains, +HCL		
SS 25	▲		9-15-18	16		105		SAA except pale yellow (5Y 8/2), contains CLAY seams		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1117

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1117
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×	▲	5-9-11	15		110		SAA except fine to medium grained, contains many shell fragments	
SS 27	×	▲	5-4-11	10.5		115		SAA	
SS 28	×	▲	3-8-10	18	146.9	120		CLAY, silty (CL-ML)- Dark greenish gray (GLEY1 4/5GY), dry to damp, very stiff, low plasticity, contains traces of shell fragments, +HCL	Loss of circulation from depths of 118.0 to 119.0 feet
SS 29	×	▲	12-22-26	18	140.4	125		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), damp, hard, medium plasticity, contains traces of shell fragments and phosphates	Top of Blue Bluff Marl at a depth of 123.5 feet
SS 30	×	▲	9-50/1"	10.5		130		SAA	
SS 31	—	▲	50/1"	6		135		SAA	
SS 32	×	▲	50/3"	7		140		SAA except low plasticity	
SS 33	×	▲	9-17-50/4"	18		145		SAA	
SS 34	×	▲	32-50/3"	11	114.6			SAA	
							Boring terminated at 149.25 feet		
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1117

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1118</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1143885.9 E 622008.0</b>		BEGUN <b>12/12/2006</b>		COMPLETED <b>12/13/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>149.4</b>	
GROUND EL. <b>257.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							257.9				
SS 1	X	▲		6-8-12	13					<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6), damp, medium dense, fine grained, rounded SAA	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		10-10-14	23		254.4				
SS 3	X	▲		4-8-16	17			5	<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8) and yellowish red (5YR 4/6), dry, medium dense, contains pale yellow (5Y 7/3) clay lenses		
SS 4	X	▲		14-16-20	17				SAA except red (2.5YR 5/8), damp, dense, medium grained, rounded		
SS 5	X	□ ▲		9-15-18	18			10	SAA except red (2.5YR 4/8)		
SS 6	X	▲		14-14-20	17				SAA except red (2.5YR 5/8)		
SS 7	X	▲		10-15-17	17			15	SAA		
SS 8	X	□ ▲		9-10-12	15			20	SAA except medium dense		
SS 9	X	▲		8-10-13	20			25	SAA except reddish yellow (5YR 6/8)		
SS 10	X	▲ +		6-7-8			225.9	30	SAA except brownish yellow (10YR 6/8), wet, fine grained		
SS 11	X	▲		2-1-2	20		220.9	35	<b>CLAY, sandy (CL)-</b> Pale yellow (5Y 8/3), damp, soft, medium plasticity		
SS 12	X	▲		6-40-40	17			40	<b>CLAY, with silt (CL)-</b> Pale yellow (5Y 8/3), damp, hard, medium plasticity, + HCL		
SS 13	X	▲		9-10-13	27		214.4	45	<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLEI 5/1), dry, very stiff, +HCL		
SS	X	▲		40-50/1"	11				SAA except pale yellow (5Y 8/3), dry, hard, with shell fragments, +HCL		

PREPARED BY: A. TAYLOR  
 REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1118**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1118
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14									
SS 15	⊗	▲	16-25-14	23	200.9	55	SAA		
SS 16	⊗	▲	15-16-15	15		60	*SAND, clayey with shells (SC)- Yellow (2.5Y 8/6), damp, dense, +HCL		
SS 17	⊗	▲	14-11-15	19	190.9	65	SAA except wet, medium dense, fine grained		
SS 18	⊗	▲	8-9-13	27	185.9	70	CLAY, with silt (CL-ML)- Pale yellow (5Y 8/3), damp, very stiff, medium plasticity, +HCL		
SS 19	⊗	▲	14-15-18	27		75	*CLAY, sandy (CL)- Pale yellow (5Y 8/4), damp, hard, with shell fragments, +HCL		
SS 20	⊗	▲	20-19-22	17	175.9	80	SAA		Water level depth at end of 12/12/2006 = Ground surface
SS 21	⊗	▲	13-13-20	26		85	*SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, dense, with shell fragments, medium grained, sub-rounded, +HCL		Water level depth at beginning of 12/13/2006 = 34.0 feet
SS 22	⊗	▲	50/1"	2		90	SAA		
SS 23	⊗	▲	17-17-30	27	160.9	95	SAA		
SS 24	⊗	▲	18-20-28	17	155.9	100	SAND, clayey (SC)- Pale yellow (5Y 8/3), wet, dense, fine grained, rounded, -HCL		
SS 25	⊗	▲	50-15-50/5"	17		105	CLAY, sandy (CL)- Pale yellow (2.5Y 8/4) and yellow (2.5Y 8/6), damp, hard, +HCL		
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1118

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1118
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗		▲ 6-8-50/5"	15		110		SAA except pale yellow (2.5Y 8/3)	
SS 27	⊗	▲	21-32-26	27	144.9	115		CLAY, with silt (CL)- Greenish gray (GLE Y1 5/1), dry, hard, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 113.0 feet
SS 28	⊗	▲	17-22-28	27		120		SAA	
SS 29	⊗		▲ 50/1"	0		125		NO RECOVERY	
SS 30	⊗		▲ 50/2"	4		130		CLAY, with silt (CL)- Greenish gray (GLE Y1 5/1), dry, hard, medium plasticity, +HCL	
SS 31	⊗		▲ 15-18-50/4"	27		135		SAA	
SS 32	⊗		▲ 0-22-50/5"	27		140		SAA except greenish gray (GLE Y1 6/1), damp	
SS 33	⊗		▲ 50/2"	0		145		NO RECOVERY	
SS 34	⊗		▲ 28-50/5"	15		108.5		CLAY, with silt (CH)- Greenish gray (GLE Y1 5/1), damp, hard, high plasticity, +HCL	
					Boring terminated at 149.42 feet				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1118



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1119</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1143888.3 E 622333.8</b>		BEGUN <b>1/16/2007</b>		COMPLETED <b>1/17/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>223.6</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						223.6				
SS 1	▲		2-1-1	6		222.1			<b>SAND, with silt (SP-SM)</b> -Brown (7.5YR 4/4), moist, very loose, fine grained, nonplastic, contains organics	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		2-6-6	17					<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 7/4), moist, stiff, very fine grained SAND, low plasticity	
SS 3	▲		3-4-5	15			5		SAA except contains organics	
SS 4	▲		5-4-5	17					SAA	
SS 5	▲		9-8-7	15		215.1	10		<b>CLAY (CL)</b> - Greenish gray (GLE Y 1 6/5 G), moist, stiff, low plasticity, contains traces of fine SAND and cemented nodules, +HCL	
SS 6	▲		4-6-8	17					SAA	
SS 7	▲		6-7-8	20			15		SAA except pale yellow (5Y 7/3), contains traces of shells and abundant laminations	
SS 8	▲		11-14-26	18		201.8	20		SAA except pale yellow (5Y 7/4), hard, contains shell hash and no laminations	
SS 9	▲		9-7-6	18			25		<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 7/4), moist, stiff, low plasticity, +HCL	
SS 10	▲		4-5-10	18		196.8	30		<b>CLAY (CL)</b> - Pale yellow (5Y 8/4), moist, stiff, low plasticity, contains shell hash, +HCL	End logging by R. Clark Begin logging by B. Mabie
SS 11	▲		8-11-11	18		191.8	35		<b>SAND, with clay (SP-SC)</b> - Olive yellow (2.5Y 6/8), moist, medium dense, low plasticity, contains shell hash, +HCL	
SS 12	▲		5-8-11	18			40		SAA except pale yellow (5Y 8/3), medium grained, contains some iron staining	
SS 13	▲		6-8-9	16			45		SAA except yellow (2.5Y 7/8), nonplastic to low plasticity, contains shell fragments	
SS	▲		13-13-9	9		176.8			<b>CLAY, with sand (CL)</b> - Pale yellow (2.5Y 8/4), wet, very stiff, fine grained SAND,	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1119**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1119
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								medium plasticity, contains shell hash, +HCL	
SS 15	⊗	▲	9-11-12	12	166.8	55		SAA except contains more shell hash	
SS 16	⊗	▲	5-7-8	15	161.8	60		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 7/3), wet, medium dense, medium grained, low plasticity, contains shell hash, +HCL	
SS 17	⊗	▲	5-4-6	18	156.8	65		<b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/8), moist, stiff, low plasticity, contains shell hash, +HCL	
SS 18	⊗	▲	42-50/5"	12		70		<b>SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/8), wet, very dense, medium grained, low plasticity, contains shell hash, +HCL	Top of Utley Limestone at a depth of 66.8 feet
SS 19	⊗	▲	50/4"	3	146.8	75		SAA except pale yellow (2.5Y 8/3), nonplastic, contains cemented SAND and shell hash	Installed 3" steel casing to a depth of 70.0 feet
SS 20	⊗	▲	11-50/3"	7	141.8	80		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/4), moist, very dense, fine to coarse grained, nonplastic to low plasticity, contains shell hash, +HCL	
SS 21	⊗	▲	6-23-20	18		85		<b>SILT (ML)</b> - Greenish gray (GLE Y1 4/5G), moist, hard, nonplastic to low plasticity, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 81.75 feet
SS 22	⊗	▲	8-8-11	18		90		SAA except very stiff	Advanced casing to 85.0 feet Water level depth at end of 01/16/07 = 21.0 feet
SS 23	⊗	▲	9-12-12	18		95		SAA except low plasticity	Water level depth at beginning of 01/17/07 = 24.0 feet
SS 24	⊗	▲	8-12-31	18		100		SAA except hard	
SS 25	⊗	▲	34-41-46	18		105		SAA	
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1119

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1119
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	19-16-38	18		110		SAA except greenish gray (GLEY1 6/5GY), contains traces of CLAY		
SS 27	⊗	▲	11-35-17	18		115		SAA		
SS 28	⊗		▲ 50/5"	4		120		SAA except nonplastic, cemented		
SS 29	⊗	▲	8-13-14	18		125		SAA except greenish gray (GLEY1 5/5G), very stiff, low plasticity, not cemented		
SS 30	⊗	▲	9-12-29	18		130		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5G), moist, hard, low plasticity, +HCL		
SS 31	⊗	▲	11-15-43	18		135		SILT (ML) - Greenish gray (GLEY1 6/10GY), moist, hard, nonplastic to low plasticity, +HCL		
SS 32	⊗	▲	11-18-16	18		140		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5G), moist, hard, low plasticity, contains shell fragments, +HCL		
SS 33	⊗	▲	9-9-13	18		145		SILT (ML) - Greenish gray (GLEY1 5/5G), moist, very stiff, low plasticity, contains shell fragments, +HCL		
SS 34	⊗	▲	14-21-25	18		150		SAND, clayey (SC)- Greenish black (GLEY1 2.5/5GY), wet, dense, fine to medium grained, nonplastic, +HCL Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1119

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1120</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1143893.1 E 622558.5</b>				BEGUN <b>2/28/2007</b>		COMPLETED <b>3/6/2007</b>	
DRILLER <b>Melvin-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>149.8</b>	
GROUND EL. <b>227.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						227.2				
SS 1	X	▲	8-18-18	14					<b>SAND, silty (SM)</b> - Red (2.5YR 4/8), dry, dense, contains GRAVEL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X		14-17-27	14		223.9				
SS 3	X	▲	8-13-9	8		221.7	5		<b>GRAVEL, silty (GM)</b> - Brown and gray (7.5YR 6/6 to 4/1)	
SS 4	X	▲	11-12-17	9		219.2			<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), dry, medium dense	
SS 5	X	▲	7-10-17	9			10		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/8) to red (5YR 5/8), dry, medium dense	
SS 6	X	▲	18-15-12	11					SAA except brown (7.5YR 4/4)	
SS 7	X	▲	6-8-12	10		210.2	15		SAA except dark gray (5YR 4/1), contains reddish brown CLAY lens	
SS 8	X	▲	3-3-6	18		205.2	20		<b>CLAY (CL)</b> - Red (2.5YR 5/8) and green (GLEYS 6/10GY), damp, stiff	
SS 9	X	▲	7-8-6	14		200.2	25		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), dry, medium dense, contains CLAY lenses	
SS 10	X	▲	2-2-3	13		195.2	30		<b>SILT (ML)</b> - Pale yellow (5Y 8/4), dry, medium stiff	
SS 11	X	▲	4-4-3	18			35		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), dry, loose, contains CLAY lenses	
SS 12	X	▲	2-4-3	9			40		SAA except yellow (2.5Y 8/6)	
SS 13	X	▲	3-2-3	12			45		SAA except yellow (2.5Y 7/3), moist, -HCL	
SS	X	▲	14-9-12	18					SAA except pale yellow (2.5Y 8/2), medium dense, +HCL	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1120</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1120
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									Casing driven to 50.0 feet
SS 15	▲		10-14-17	10		55		SAA except pink (7.5YR 7/3), dense	
SS 16	▲		12-15-21	10		60		*SHELL HASH, clayey (GC)- Pink (7.5YR 7/3), moist, dense, +HCL	
SS 17	▲		27-20-18	11		65		SAA	
SS 18	▲		27-50/2"	5		70		*SAND, clayey (SC)- Pinkish white (7.5YR 8/2), moist, very dense, with shell fragments, +HCL	
SS 19	▲		WOH/12"-3	10		75		SAA except very pale brown (10YR 8/3), wet, loose	Loss of circulation at a depth of 73.5 feet
SS 20	▲		7-3-1	4		80		SILT (ML) - Light olive brown (2.5Y 5/4), wet, soft, contains minor shell hash, +HCL	
SS 21	▲		50/5"	5		85		*SHELL HASH, silty (GM)- Very pale brown (10YR 8/2), wet, very dense, +HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 22	▲		20-17-18	18		90		CLAY (CL)- Greenish gray (GLEY1 5/1/10Y), dry to damp, hard, +HCL	Top of Blue Bluff Marl at a depth of 86.75 feet
SS 23	▲		16-30-45	18		95		SAA	
SS 24	▲		50/3"	4		100		SAA	Installed 3" steel casing to a depth of 90.0 feet
SS 25	▲		15-25-30	18		105		SILT (ML) - Greenish gray (GLEY1 5/1/5GY), moist, hard, +HCL	Water level depth at end of 2/28/07 = 75.0 feet Water level depth at beginning of 3/1/07 = 75.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1120

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1120
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×	▲	15-29-37	18			110		SAA	
SS 27	×	▲	16-24-38	18			115		SAA	
SS 28	×		50/4"	4			110.2		CLAY (CL) - Greenish gray (GLE Y1 6/1/10Y), hard, +HCL	
SS 29	×		50/5"	7			125		SAA	
SS 30	×	▲	17-12-18				130		SILT (ML) - Greenish gray (GLE Y1 6/1/10Y), hard, +HCL	
SS 31	×		17-50/3"				135		SAA	
SS 32	×	▲	15-23-40	18			140		SAA	
SS 33	×	▲	20-27-28	18			145		SAA except damp	Water level depth at end of 3/5/07 = 53.0 feet
SS 34	×		6-30-50/4"	18			149.83		SAA except contains shell hash	Water level depth at beginning of 3/6/07 = 78.0 feet
						77.4			Boring terminated at 149.83 feet	
SITE						Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1120





GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1121					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14													
SS 15	⊗	▲				4-5-5	18		55		SAA		
								184.3					
SS 16	⊗		▲			4-13-23	18		60		SAND, clayey (SC)- Pale yellow (5Y 8/2), wet, dense, fine grained, medium to high plasticity, contains trace shell fragments, +HCL		
								179.3					
SS 17	⊗	▲				5-6-7	18		65		CLAY, silty with sand (CL-ML)- Pale yellow (5Y 8/4), wet, stiff, medium to high plasticity, very fine SAND, +HCL		
								174.3					
SS 18	⊗	▲				7-9-9	18		70		CLAY, with sand (CH)- Yellow (5Y 8/6), wet, very stiff, medium to high plasticity, fine grained SAND, contains shell fragments up to 1/8", +HCL	Water level depth at end of 2/8/07 = Ground Surface	
								169.3					
SS 19	⊗			▲		10-43-20	18		75		CLAY (CH)- Pale yellow (5Y 8/3), wet, hard, medium plasticity, contains shell fragments up to 1/2", +HCL	Water level depth at beginning of 2/9/07 = 17.5 feet	
								164.3					
SS 20	⊗				▲	50/5"	4		80		CLAY, sandy (CL)- Pale yellow (5Y 8/3), wet, hard, low to medium plasticity, fine grained SAND, contains trace fine shell fragments, +HCL		
								159.3					
SS 21	⊗			▲		8-17-40	10		85		SAND, clayey (SC)- Pale yellow (5Y 8/3), wet, very dense, fine grained, nonplastic to low plasticity, contains shell fragments up to 1/2", +HCL		
								154.3					
SS 22	⊗		▲			10-11-13	13		90		SAND, with clay (SP-SC)- Pale yellow (5Y 8/4), wet, medium dense, fine to medium grained, +HCL		
								149.3					
SS 23	⊗			▲		18-20-15	11		95		SAND, clayey (SC)- Pale yellow (5Y 8/3), wet, dense, fine grained, nonplastic, contains trace shell fragments up to 1/4" and shell hash lenses up to 1" thick, +HCL		
								144.3					
SS 24	⊗			▲		5-25-22	18		100		SAND, with silt (SP-SM)- Very pale brown (10YR 8/4), wet, dense, fine to medium grained, +HCL		
SS 25	⊗				▲	5-7-50/4"	18		105		SAA except very pale brown (10YR 8/2), very dense		
								SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1121

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1121
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	▲		9-8-8	18		110		SAA except medium dense, medium grained, contains shell fragments up to 1/4"	
SS 27	▲		8-12-10	16		115		SAA except fine grained, contains trace shell fragments up to 1/8"	
SS 28	▲		9-11-12	14		120		SAA except pale yellow (2.5Y 8/3), contains no shell fragments	
SS 29	▲		6-10-12	18		125		SAA except contains traces of shell fragments	
SS 30	▲		50/3"	1		114.3			
SS 31	▲		50/.5"	0		109.3		<b>SAND, with clay (SP-SC)-</b> Pale yellow (2.5Y 8/4), wet, very dense, fine grained, nonplastic to low plasticity, contains cemented SAND in bottom 1/4", +HCL	Top of Utley Limestone at a depth of 127.0 feet
SS 32	▲		50/5.5"	5		104.3		<b>NO RECOVERY</b>	
SS 33	▲		50/5.5"	5		98.8		<b>CLAY, sandy (CH)-</b> Pale yellow (2.5Y 8/2), wet, hard, medium to high plasticity, fine grained SAND, contains some fine shell fragments, +HCL	
SS 34	▲		10-14-17	18		145		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLEW 5/10GY), wet, hard, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 142.5 feet
			13-14-18	18		91.3		SAA	
						150		Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1121










<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1123</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1143575.4 E 620922.0</b>		BEGUN <b>1/25/2007</b>		COMPLETED <b>1/30/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>241.3</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						241.3					
SS 1	X	▲	3-5-6	18					<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/8), moist, medium dense, fine grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	1-4-4	15					SAA except red (2.5YR 5/8), damp, loose		
SS 3	X	▲	3-4-4	8					SAA		
SS 4	X	▲	2-3-3	11		235.3	5		<b>*SAND, with silt (SP-SM)-</b> Red (2.5YR 5/8), damp, loose, fine grained, nonplastic		
SS 5	X	▲	5-7-8	8					SAA except medium dense		
SS 6	X	▲ +	5-8-8	13		230.8	10		<b>SAND, clayey (SC)-</b> Red (10R 4/8), damp, medium dense, fine grained, low plasticity		
SS 7	X	▲	5-8-8	13			15		SAA		
SS 8	X	▲	6-9-11	12			20		SAA		
SS 9	X	▲	7-10-10	12			25		SAA		
SS 10	X	▲	7-9-11	14			30		SAA except contains some coarse grains		
SS 11	X	▲	7-13-10	8		209.3	35		<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/8), moist, medium dense, fine to coarse grained, low plasticity		
SS 12	X	▲	4-4-8	13		204.3	40		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/6), moist, medium dense, fine to coarse grained, low plasticity		
SS 13	X	▲	2-4-5	12			45		SAA except brownish yellow (10YR 6/8)		
SS	X	▲	2-4-4	18		194.3			<b>CLAY, silty with sand (CL-ML)-</b> Brownish yellow (10YR 6/6), moist, medium stiff,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1123**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1123
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								medium plasticity, contains traces of shell fragments, -HCL	
SS 15	▲		2-4-4	18		55		SAA except olive yellow (2.5Y 6/8)	
					184.3				
SS 16	▲		1-7-8	14		60		<b>SAND, clayey (SC)</b> - Yellow (5Y 7/6), moist, medium dense, fine to medium grained, low plasticity, -HCL	Water level depth at end of 1/25/07 = Top of Casing
SS 17	▲		5-7-7	10		65		SAA except pale yellow (2.5Y 8/4), damp	Water level depth at beginning of 1/26/07 = 12.0 feet
					174.3				
SS 18	▲		7-13-16	8		70		<b>SAND, with clay (SP-SC)</b> - Yellow (10YR 7/6), damp, medium dense, fine to medium grained, low plasticity, -HCL	
					169.3				
SS 19	▲		7-7-8	12.5		75		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), damp, medium dense, fine to medium grained, low plasticity, -HCL	
SS 20	▲		7-8-8	18		80		SAA except yellow (2.5Y 7/6), fine grained	
					157.8				
SS 21	▲		50/5"	5		85		<b>*SHELL HASH, with clay and sand (GP-GC)</b> - Very pale brown (10YR 8/2), moist, very dense, +HCL	
					154.3				
SS 22	▲		5-6-10	18		90		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), moist, medium dense, fine grained, low plasticity, contains CLAY seams, -HCL	
					149.3				
SS 23	▲		12-27-30	11		95		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/4), moist, very dense, fine to medium grained, -HCL	
					144.3				
SS 24	▲		50/1"	0		100		<b>NO RECOVERY</b>	Top of Utley Limestone at a depth of 97.0 feet
					139.3				
SS 25	▲		50/3"	3		105		<b>*SHELL HASH, with clay (GP-GC)</b> - Very pale brown (10YR 8/2), wet, very dense, fine to coarse grained SAND, +HCL	Loss of circulation at a depth of 103.5 feet Installed 4" steel casing to a depth of
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1123

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1123
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	×		▲ 15-50/2"	5.5	132.8	110		<b>CLAY, silty (CL-ML)</b> Dark greenish gray (GLEY1 4/10GY), dry to damp, hard, contains traces of shell fragments, +HCL	105.0 feet Top of Blue Bluff Marl at a depth of 108.5 feet	
SS 27	×		▲ 16-50/6"	12		115		SAA except dark greenish gray (GLEY1 4/5GY)	Water level depth at end of 1/26/07 = Top of Casing	
SS 28	×		▲ 24-50/1"	10.5		120		SAA except greenish gray (GLEY1 5/5GY), also contains traces of phosphate grains		
SS 29	×		▲ 20-21-50/2"	16		125		SAA		
SS 30	×		▲ 12-17-50/3"	18		130		SAA		
SS 31	×		▲ 17-39-50/1"	15		135		SAA		
SS 32	×		▲ 9-50/6"	15		140		SAA		
SS 33	×	▲	24-23-22	18		145		SAA		
SS 34	×	▲	19-34-20	18	91.3	150		SAA except light greenish gray (GLEY1 7/5GY) Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1123



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1124</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1143627.6 E 621421.6</b>		BEGUN <b>1/23/2007</b>		COMPLETED <b>1/25/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>241.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						241.2				
SS 1	X	▲		5-5-8	15.5	239.7			<b>GRAVEL, with sand (GP)-</b> Red (10R 5/8), damp, medium dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	X	▲		6-7-10	13.5				<b>*SAND, with silt (SP-SM)-</b> Red (10R 5/8), damp, medium dense, fine grained, nonplastic	
SS 3	X	□		5-10-19	13				SAA except strong brown (7.5YR 5/6), moist	
SS 4	X	▲		6-12-14	8		5		SAA except brownish yellow (10YR 6/6)	
SS 5	X	▲		3-4-4	8.5		10		SAA except loose	
SS 6	X	▲		4-6-10	9				SAA	
SS 7	X	□		9-12-14	13	228.2	15		<b>*SAND, clayey (SC)-</b> Red (2.5YR 5/6), moist, medium dense, fine grained	
SS 8	X	○		8-10-12	14		20		SAA except red (10R 4/8)	
SS 9	X	▲		5-10-12	14		25		SAA	
SS 10	X	▲		6-8-8	12		30		SAA, except Red (2.5YR 4/8)	
SS 11	X	▲		4-4-4	12		35		SAA except loose, fine to coarse grained, low plasticity	
SS 12	X	▲		3-4-3	17		40		SAA	
SS 13	X	▲		4-5-4	18		45		SAA except yellowish red (5YR 5/8)	
SS	X	▲		3-3-4	18	194.5			<b>CLAY, silty with sand (CL-ML)-</b> Very pale brown (10YR 7/4), medium stiff, low plasticity.	Loss of circulation at a depth of 48.0 feet

PREPARED BY: A. TAYLOR		SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>		HOLE NO. <b>B-1124</b>	
REVIEWED BY: P. DEPREE		<b>Final Log</b>			

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1124
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								-HCL	
SS 15	▲		2-3-4	18		55		SAA except yellow (2.5Y 7/6)	
SS 16	▲		3-3-4	18		60		SAA	
SS 17	▲		5-8-5	18	179.5	65		SAND, clayey (SC)- Yellowish brown (10YR 5/8), medium dense, fine grained, low plasticity, -HCL	
SS 18	▲		7-9-11	14		70		SAA except yellow (2.5Y 7/8)	
SS 19	▲		8-9-10	16		75		SAA except brownish yellow (10YR 6/8)	
SS 20	▲		8-11-11	13	164.5	80		SAND, with clay (SP-SC)- Brownish yellow (10YR 6/6), damp, medium dense, fine to medium grained, low plasticity, -HCL	
SS 21	▲		4-4-8	18		85		SAA except yellow (10YR 7/6)	
SS 22	▲		8-12-13	14		90		SAA except very pale brown (10YR 7/3)	
SS 23	▲		7-11-11	16	147.7	95		SAND, silty (SM)- Light greenish gray (GLE Y1 8/N), moist, medium dense, fine to medium grained, contains shell fragments, +HCL	Loss of circulation at a depth of 95.0 feet
SS 24	▲		21-50/1"	7	144.2	100		SILT (ML)- Very dark grayish brown (10YR 3/2), moist, very stiff, contains shell fragments SAA except greenish gray (GLE Y1 5/10GY), dry, hard, contains traces of shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 97.0 feet
SS 25	▲		14-50/5"	13		105		SAA	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1124



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1124
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	10-17-40	18	129.2	110		SAA except dark greenish gray (GLE Y1 4/5GY), low plasticity	Water level depth at beginning of 01/25/07 = 45.0 feet	
SS 27	⊗	▲	15-17-28	18		115		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10Y), dry to damp, hard, medium plasticity, contains shell fragments, +HCL		
SS 28	⊗		▲ 11-50/6"	12		120		SAA		
SS 29	⊗	▲	11-18-39	18		125		SAA except greenish gray (GLE Y1 5/10GY)		
SS 30	⊗		▲ 17-50/5"	18		130		SAA except dark greenish gray (GLE Y1 4/5GY)		
SS 31	⊗	▲	19-37-22	18		135		SAA except greenish gray (GLE Y1 5/5GY)		
SS 32	⊗		▲ 11-50/5"	12		140		SAA		
SS 33	⊗	▲	10-12-17	18		145		SAA except very stiff		
SS 34	⊗	▲	16-19-30	18	91.2	150		SAA except hard		
								Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1124	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1125</b>		
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1143586.8 E 621628.2</b>		BEGUN <b>1/19/2007</b>		COMPLETED <b>1/23/2007</b>				
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>241.0</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
						241.0						
SS 1	X	▲	2-3-7	19					<b>SAND, silty (SM)-</b> Red (10R 5/8), damp, medium dense, fine grained, nonplastic SAA except reddish brown (2.5YR 4/4)	Top of Barnwell Group at a depth of 0.0 feet           Water level depth at end of 01/22/07 = Ground surface		
SS 2	X		8-8-10	17		238.0						
SS 3	X	▲	9-12-17	12			5	<b>SAND, silty with gravel (SM)-</b> Red (2.5YR 4/6), damp, medium dense, fine grained, nonplastic				
SS 4	X	□	8-15-22	15		235.5		<b>*SAND, with silt and gravel (SP-SM)-</b> Red (2.5YR 4/6), damp, dense, fine grained, nonplastic				
SS 5	X	▲	5-12-21	10			10	SAA except moist				
SS 6	X	□	8-16-18	9.5		230.0		<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/6), moist, dense, fine grained, nonplastic				
SS 7	X	▲	7-14-10	12		228.0	15	<b>SAND, clayey (SC)-</b> Yellowish red (5YR 5/8), damp, medium dense, fine grained, low plasticity				
SS 8	X	▲ +	5-8-11	14.5			20	SAA except reddish yellow (7.5YR 6/8), moist, fine to medium grained, contains 2" clay seam				
SS 9	X	▲	4-4-5	15		219.2	25	<b>*SILT, with sand (MH)-</b> Brownish yellow (10YR 6/6), damp, stiff, high plasticity				
SS 10	X	▲ +	3-4-4	23			30	SAA except very pale brown (10YR 7/4), moist, medium stiff				
SS 11	X	▲	3-3-3	24		209.2	35	<b>SILT (ML)-</b> Very pale brown (10YR 7/3), damp, medium stiff, low plasticity				
SS 12	X	▲	WOH/6"-1-	13		204.2	40	<b>CLAY, silty (CL-ML)-</b> Very pale brown (10YR 7/4), moist, soft, medium plasticity, contains traces of SAND				
SS 13	X	▲	3-3-3	10.5		199.2	45	<b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/8), moist, loose, fine grained, low plasticity, -HCL				
SS	X	▲	3-10-10	15		194.5		<b>CLAY, silty with sand (CL-ML)-</b> Very pale brown (10YR 8/4), moist, very stiff, low	Loss of circulation at a depth of 48.5 feet			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1125**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1125	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80							
14								plasticity, contains shell hash, +HCL	Water level depth at end of 01/19/07 = Ground surface Water level depth at end of 01/19/07 = Ground surface Reamed hole to a depth of 50.0 feet using a 4" drill bit. Installed 4" steel casing to a depth of 50.0 feet
SS 15	⊗	▲	5-8-9	18		55		SAA except pale yellow (2.5Y 8/4), damp, medium plasticity	
SS 16	⊗	▲	7-12-14	17		60		SAA except pale yellow (2.5Y 8/3)	
SS 17	⊗	▲	8-16-25	16	179.2	65		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/2), damp, dense, fine to medium grained, low plasticity, contains abundant shell fragments, +HCL	
SS 18	⊗	▲	14-23-20	15	174.2	70		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/2), moist, dense, fine to medium grained, low plasticity, contains abundant shell fragments, +HCL	
SS 19	⊗	▲	6-7-9	18	164.2	75		SAA except very pale brown (10YR 8/3), medium dense, fine grained	
SS 20	⊗	▲	10-10-20	22		80		<b>SAND, with clay (SP-SC)</b> - Very pale brown (10YR 8/2), damp, dense, fine grained, low plasticity, +HCL	
SS 21	⊗	▲	27-50/2"	14	154.2	85		SAA except very pale brown (10YR 8/3), very dense	
SS 22	⊗	▲	50/5"	6	149.2	90		<b>*SHELL HASH, with clay and sand (GP-GC)</b> - Very pale brown (10YR 8/4), wet, very dense, fine grained SAND, +HCL	
SS 23	⊗	▲	17-13-50/4"	12	144.5	95		<b>*SAND, with silt (SP-SM)</b> - Very pale brown (10YR 7/4), moist, dense, medium to coarse grained, contains abundant shell hash and fragments, +HCL	
SS 24	⊗	▲	9-14-50/3"	14		100		<b>SILT (ML)</b> - Greenish gray (GLE Y1 6/1/10Y), dry, hard, contains minor shell hash, +HCL	
SS 25	⊗	▲	9-11-16	22		105		SAA except greenish gray (GLE Y1 5/1/10Y), very stiff	Top of Blue Bluff Marl at a depth of 96.5 feet
				SITE Vogtle Units 3 & 4 COL Project Final Log					HOLE NO. B-1125

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1125
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	15-14-18	19		110		SAA except dry to damp, hard, low plasticity		
SS 27	⊗	▲	7-10-15	20		115		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLE <sub>Y</sub> 1 5/1/10Y), damp, very stiff, medium plasticity, +HCL		
SS 28	⊗	▲	9-11-18	24		120		SAA except hard		
SS 29	⊗		21-50/4"	16		125		SAA except contains trace of shell hash		
SS 30	⊗	▲	12-23-44	19		130		SAA		
SS 31	⊗		50/5"	6		135		<b>*SILT, with cemented fragments (ML)-</b> Greenish gray (GLE <sub>Y</sub> 1 6/1/10Y), dry, hard, +HCL		
SS 32	⊗		16-50/4"	11		140		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLE <sub>Y</sub> 1 6/1/10Y), damp, hard, low plasticity, +HCL		
SS 33	⊗	▲	15-16-14	27		145		SAA		
SS 34	⊗	▲	9-12-16	25		150		SAA except very stiff, medium plasticity		
								Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1125	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1126</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1143567.7 E 621980.4</b>		BEGUN <b>1/5/2007</b>		COMPLETED <b>1/10/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>219.9</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				219.9					
SS 1	X	▲	9-10-10	13		219.4			<b>GRAVEL (GP)</b> - Surface gravel	Top of Fill a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet	
SS 2	X	▲	7-10-10	16		216.6		<b>SAND (SP)</b> - Red (10R 4/6), dry, medium dense SAA except red (2.5YR 4/8)			
SS 3	X	▲	9-13-17	15		214.4	5		<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8) and pale yellow (10YR 8/4), dry, medium stiff		
SS 4	X	▲	14-13-13	11		211.9			<b>SAND (SP)</b> - Red (5YR 5/8), damp, medium dense, fine to coarse grained		
SS 5	X	▲	9-9-17	10		209.4	10		<b>SAND, with clay (SP-SC)</b> - Red (2.5YR 5/8), damp, medium dense		
SS 6	X	▲	8-9-12	4		202.9			<b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense SAA except brown (7.5YR 5/8) and pale yellow (2.5Y 8/2)		
SS 7	X	▲	7-8-8	7		197.9	15		<b>SAND (SP)</b> - Brownish yellow (10YR 6/6), moist, medium dense		
SS 8	X	▲	7-7-9	8		193.4	20		<b>CLAY (CL)</b> - Light greenish gray (GLEI 8/1/5GY), damp, stiff, -HCL		
SS 9	X	▲	2-4-5	18		187.9	25		<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/2), damp, medium dense, contains shell fragments and coquina, +HCL	Loss of circulation, added drilling fluid	
SS 10	X	▲	21-7-7	13		182.9	30		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 7/4), damp, medium dense, -HCL		
SS 11	X	▲	3-4-6	18		177.9	35		<b>*SHELL HASH, with clay (GP-GC)</b> - Pale yellow (5Y 8/3), damp, medium dense, +HCL	Loss of circulation at a depth of 38.5 feet	
SS 12	X	▲	8-12-16	11		172.9	40		<b>NO RECOVERY</b>		
SS 13	X	▲	17-31-40	0			45			Installed 4" steel casing to a depth of 47.0 feet	
SS	X	▲	15-17-19	10					<b>SAND, silty, clayey (SC-SM)</b> - Pale yellow (2.5Y 8/4), moist, medium dense, contains shell		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1126**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 3		HOLE NO. B-1126	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
14								fragments, +HCL			
SS 15	⊗	▲	16-13-14	11		55		SAA			
					162.9						
SS 16	⊗	▲	8-9-9			60		<b>SAND, with clay (SP-SC)</b> - Reddish yellow (7.5YR 6/6) and white (7.5YR 8/1), moist to wet, medium dense			
					157.9				Water level depth at end of 01/08/2007 = Ground surface		
SS 17	⊗	▲	9-5-11	14		65		<b>SAND (SP)</b> - Pale yellow (2.5Y 8/1), wet, medium dense, contains traces of fines, -HCL			
					152.9						
SS 18	⊗	▲	3-1-1	18		70		<b>SAND, with clay (SP-SC)</b> - Pale brown (10YR 7/3), wet, very loose, -HCL	Encountered cemented layers from 69 to 69.5 feet. Loss of circulations at a depth of 69.5 feet. Encountered cemented layers from 72 to 74 feet and continued loss of circulation		
					147.9				Casing advanced to a depth of 76.0 feet, circulation reestablished		
SS 19	⊗	▲	5-7-18	8		75		<b>CLAY, sandy (CL)</b> - Dark olive brown (2.5Y 3/3), moist, very stiff, -HCL	Top of Blue Bluff Marl at a depth of 78.5 feet		
					141.4						
SS 20	⊗		50/1"	1		80		<b>CLAY (CL)</b> - Dark greenish gray (GLE Y1 4/1/10Y), wet, hard, contains limestone, +HCL			
SS 21	⊗	▲	19-22-29	18		85		SAA except damp, contains shell fragments			
									Cemented layers		
SS 22	⊗		50/1"	1		90		SAA			
SS 23	⊗	▲	12-20-22	18		95		SAA except greenish grey (GLE Y1 5/1/10Y)			
SS 24	⊗		11-19-50/1"	18		100		SAA			
SS 25	⊗		11-50/1"	17		105		SAA			
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1126		

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1126			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26						▲ 50/1"	6		110		SAA except contains some limestone lenses	Water level depth at end of 01/09/2007 = Ground surface	
SS 27						▲ 40-44-48	18		115		SAA except (GLEY1 6/1/10Y)		
SS 28						▲ 52-30-50/1"	18		120		SAA		
SS 29		▲				12-13-15	18		125		CLAY, silty (CL-ML)- Greenish gray (5Y 5/1.5), damp, very stiff		
SS 30			▲			14-21-30	18		130		SAA except hard		
SS 31				▲		26-28-27	18		135		SAA		
SS 32		▲				11-13-18	18		140		SAA		
SS 33				▲		13-13-40	11		145		SAND (SP)- Greenish black (GLEY1 2.5/1/10Y), wet, very dense, +HCL		Top of Still Branch Formation at a depth of 142 feet
SS 34				▲		12-31-25	13		150		SAND, clayey (SC)- Very dark greenish gray (GLEY1 3/1/10Y), wet, very dense, contains clay lenses, -HCL Boring terminated at 150 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1126	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1127</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1143573.3 E 622332.3</b>		BEGUN <b>11/28/2006</b>		COMPLETED <b>11/30/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>219.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						219.7				
SS 1	X	▲	6-8-6	16.5		219.7			<b>ASPHALT</b> pavement and <b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet.
SS 2	X	▲	8-7-7	19		217.7				
SS 3	X	▲ □ +	7-8-6	12		216.2			<b>SAND, silty (SM)</b> - Yellowish brown (10YR 5/6), damp, medium dense, contains traces of yellow (10YR 7/6) <b>SAND</b>	Top of Barnwell Group at a depth of 2.0 feet.
SS 4	X	▲	9-12-15	15			5		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/6), damp, medium dense, contains traces of yellow (10YR 7/6) <b>SAND</b>	
SS 5	X	▲	9-12-23	16			10		SAA except red (2.5YR 4/6), contains traces of strong brown (7.5YR 5/8) <b>SAND</b>	
SS 6	X	○ □ ▲ +	14-14-20	19			15		SAA	
SS 7	X	▲	10-11-13	15			20		SAA	
SS 8	X	□ ▲	10-12-12	15		201.7			<b>*SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/8), dry, medium dense, 40% coarse grained, rounded	Water level depth at end of 11/28/2006 = Ground surface
SS 9	X	▲ □	6-6-6	12		197.7			<b>SAND, silty (SM)</b> - Yellowish brown (10YR 5/6), damp, medium dense, 40% coarse grained, rounded	Water level depth at beginning of 11/29/2006 = 4.25 feet
SS 10	X	▲	3-2-4	20		192.7			<b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/8), damp, medium stiff, medium plasticity	
SS 11	X	▲	3-3-5	27		182.7			SAA except brownish yellow (10YR 6/6), moist	
SS 12	X	▲	4-3-4	20		177.7			<b>CLAY, sandy (CL)</b> - Yellow (10YR 7/8), moist, medium stiff, medium plasticity	
SS 13	X	▲	5-6-5	16			45		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), moist, medium dense, 50% coarse grained, rounded	
SS	X	▲	5-8-10	18					SAA except 40% coarse grained	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1127</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1127
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					167.7				
SS 15	⊗	▲	14-14-20	13		55		<b>SAND, with silt (SP-SM)</b> - Yellow (10YR 7/8), wet, dense, 40% coarse grained, rounded	
SS 16	⊗	▲	10-14-18	12		60		SAA except brownish yellow (10YR 6/8)	
SS 17	⊗	▲	8-11-18	11		65		SAA except brownish yellow (10YR 6/6), wet, medium dense, 50% coarse grained, rounded	
SS 18	⊗	▲	4-4-4	14	152.7	70		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/3), wet, loose, rounded	
SS 19	⊗	▲	5-8-12	13		75		SAA except medium dense	
SS 20	⊗	▲	12-15-25	27	141.7	80		<b>SILT (ML)</b> - Dark greenish gray (GLE Y1 4/1), dry, hard, low plasticity	Top of Blue Bluff Marl at a depth of 78.0 feet.
SS 21	⊗	▲	29-19-29	27		85		SAA	
SS 22	⊗	▲	15-50/3"	20	132.7	90		<b>*CLAY, with shells and cemented fragments (CL)</b> - Dark greenish gray (GLE Y1 4/1), dry, hard, low plasticity	
SS 23	⊗	▲	22-50/2"	12		95		SAA except greenish gray (GLE Y1 5/1), medium plasticity	
SS 24	⊗	▲	20-50/6"	19	122.7	100		<b>CLAY (CL)</b> - Greenish gray (GLE Y1 5/1), dry, hard, medium plasticity	
SS 25	⊗	▲	20-40-32	27		105		SAA	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1127

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1127
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×		▲ 10-50/3"	24		110		SAA except damp	Water level depth at end of 11/29/2006 = 3.0 feet  Water level depth at beginning of 11/30/2006 = 27.0 feet
SS 27	×	▲	17-32-36	25		115		SAA	
SS 28	×		▲ 50/3"	0		120		NO RECOVERY	
SS 29	×	▲	14-21-28	27		125		SAA except greenish gray (GLEY1 6/1)	
SS 30	×	▲	15-15-45	27		130		SAA except dry	Top of Still Branch Formation at a depth of 143.0 feet.
SS 31	×		▲ 15-50/6"	24		135		SAA except damp	
SS 32	×	▲	10-15-18	27		140		SAA except dry	
SS 33	×		▲ 11-15-50/5"			145		SAND, clayey (SC)- Very dark grayish green (GLEY1 3/2), damp, very dense, rounded, low plasticity	
SS 34	×	▲	9-13-28			150		SAA except greenish black (GLEY1 2.5/1), dense, medium plasticity Boring terminated at 150 feet.	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-1127

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1128</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1143572.7 E 622682.4</b>		BEGUN <b>1/10/2007</b>		COMPLETED <b>1/10/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>73.0</b>	
GROUND EL. <b>218.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %  20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						218.3					
SS 1	X	▲	6-11-12	20					<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/8), damp, medium dense, fine grained SAA	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	9-8-10	22		215.0					
SS 3	X	▲	2-5-4	14			5	<b>SAND, silty, clayey (SC-SM)-</b> Strong brown (7.5YR 5/8), damp, loose, fine grained			
SS 4	X	▲	3-3-4	18				SAA			
SS 5	X	▲	3-4-5	16				SAA except Yellow (10YR 7/8)			
SS 6	X	▲	3-4-4	14		207.8	10	<b>CLAY, with sand (CL)-</b> Yellow (5Y and 2.5Y 7/8) damp, medium stiff, fine grained, low plasticity			
SS 7	X	▲	2-3-5	21		205.3		<b>CLAY, silty (CL-ML)-</b> Pale yellow (5Y 7/3), damp, medium stiff, high plasticity			
						202.3	15				
SS 8	X	▲	6-7-10	21			20	<b>CLAY, silty (CL-ML)-</b> Pale yellow (5Y 8/3), damp, very stiff, low plasticity, contains shell fragments			
						196.5					
SS 9	X	▲	8-8-9	20			25	<b>SAND, clayey (SC)-</b> Pale yellow (5Y 18/3), damp, medium dense, fine grained, contains shell fragments			
						191.5					
SS 10	X	▲	3-5-10	24			30	<b>CLAY, silty (CL-ML)-</b> Pale yellow (5Y 8/3), damp, very stiff, low plasticity, contains shell fragments			
						186.5					
SS 11	X	▲	10-27-14	20			35	<b>SAND, clayey (SC)-</b> Pale yellow (5Y 8/4), damp, dense, fine grained, contains shell fragments, +HCL			
						181.5					
SS 12	X	▲	10-15-18	15			40	<b>SAND, silty (SM)-</b> Pale yellow (5Y 8/3), moist, dense, fine to medium grained, +HCL			
SS 13	X	▲	12-16-21	16			45	SAA			
SS	X	▲	9-11-21	14				SAA except pale yellow (5Y 7/3), damp			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE










SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1128**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1128
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					166.5				Installed 3" steel casing to a depth of 50.0 feet	
SS 15	⊗	▲	8-9-14	16		55		<b>CLAY, silty, sandy (CL-ML)</b> - Yellow (2.5Y 7/8), damp, stiff, high plasticity, contains shell fragments, +HCL		
SS 16	⊗	▲	4-10-11	24		60		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), damp, medium dense, contains shell fragments, +HCL		
SS 17	⊗	▲	17-11-13	26		65		<b>CLAY, silty (CL-ML)</b> - Pale yellow and olive yellow (5Y 7/5 and 6/8), damp, very stiff, high plasticity, contains shell fragments, +HCL		
SS 18	⊗		▲ 21-50/4"			70		<b>CLAY, sandy (CH)</b> - Yellow (5Y 8/6), damp, hard, high plasticity, +HCL		
					145.3			Boring terminated at 73.0 feet. Casing shoe lost in hole. Hole abandoned and offset 3 feet west.	Loss of circulation at a depth of 73.0 feet See B-1128A for continuation	
					SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1128</b>	



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1128A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	▲		4-6-10	16	146.9	70			Loss of circulation at a depth of 71.0 feet
SS 2	▲		5-11-50/4"	26	141.4	75		CLAY, sandy (CL)- Pale yellow (5Y 8/3), damp, very stiff, low plasticity, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 76.5 feet
SS 3	▲		10-12-14	26		80		CLAY (CH)- Greenish gray (GLE Y 1 5/1), damp, hard, high plasticity, +HCL	Water level depth at end of 01/11/07= Ground surface
SS 4	▲		50/3"	5		85		SAA except very stiff	Water level depth at beginning of 01/12/07= 17.0 feet
SS 5	▲		8-11-13	26		90		SAA except hard, contains shell fragments	
SS 6	▲		11-50/4"	18		95		SAA except very stiff	
SS 7	▲		20-28-50/5"			100		SAA except hard	
						105		SAA except contains some cemented layers	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1128A

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1128A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 8	×		▲ 48-50/1"	12		110		SAA except greenish gray (GLE Y 6/1), no cemented layers or shell fragments		
SS 9	×	▲	8-13-14	20		115		SAA except very stiff		
SS 10	×		▲ 12-27-50/3"			120		SAA except hard		
SS 11	×	▲	8-27-23	24		125		SAA except light greenish gray (GLE Y 7/1)		
SS 12	×	▲	11-19-29	24		130		SAA		
SS 13	×	▲	21-26-26			135		SAA		
SS 14	×	▲	10-13-14	18		140		CLAY (CL) Olive gray (5Y 5/2), damp, very stiff, +HCL		
SS 15	×	▲	6-9-32	18		145		SAND, clayey (SC) - Dark greenish grey (GLE Y 4/1), damp, dense, fine to medium grained, -HCL		
SS 16	×		▲ 50/3.5"			148.80		SAND, silty (SM) - Dark gray (2.5Y 4/1), damp, very dense, fine grained, -HCL Boring terminated at 148.80 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1128A

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1129</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1143278.2 E 621893.7</b>				BEGUN <b>1/3/2007</b>		COMPLETED <b>1/4/2007</b>	
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>221.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20 40 60 80					221.8				
SS 1	X	▲	12-13-12	12			220.3			<b>GRAVEL, with sand (GP)-</b> Brown (7.5YR 4/6), dry, medium dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	X	▲	12-16-18	18						<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 4/6 to 10R 4/8), dry, dense	
SS 3	X	▲	12-17-20	11						SAA except red (2.5YR 4/6) to reddish yellow (7.5YR 6/8)	
SS 4	X	▲	12-10-8	12				5		SAA except brown (7.5YR 5/8), medium dense	
SS 5	X	▲	11-15-18	14			211.3	10		SAA except orange brown (7.5YR 5.5/8) and red (2.5YR 4/8), dense	
SS 6	X	▲	14-24-26	11			208.8			<b>SAND, silty (SM)-</b> Red (2.5YR 5/8), dry, very dense	
SS 7	X	▲	11-17-21	14			204.8	15		<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 4/8), dry, dense	
SS 8	X	▲	8-10-10	10			199.8	20		<b>SAND, silty (SM)-</b> Red (2.5YR 4/8), damp, dense	Water level depth at end of 01/03/2007 = Ground surface
SS 9	X	▲	10-17-18	0			194.8	25		<b>NO RECOVERY</b>	Water level depth at beginning of 01/04/2007 = Borehole dry
SS 10	X	▲	7-11-8	7				30		<b>SAND, with silt (SP-SM)-</b> Brown (7.5YR 5/8), damp, medium dense	
SS 11	X	▲	7-8-10	10			184.8	35		SAA except brownish yellow (10YR 6/8)	
SS 12	X	▲	5-5-7	13			179.8	40		<b>CLAY (CL)-</b> Yellow (10YR 7/8), damp, stiff	
SS 13	X	▲	5-9-10	5				45		<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/8), damp, medium dense	
SS	X	▲	5-8-8	8						SAA	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1129</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1129
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					169.8					
SS 15	⊗	▲	10-10-17	8		55		SAND (SP) - Yellow (2.5Y 8/4) and light red (10R 6/8), damp, medium dense, -HCL		
SS 16	⊗	▲	10-12-16	9		60		SAA		
SS 17	⊗	▲	12-15-17	8		65		SAA except dense		
SS 18	⊗	▲	10-12-16	12	154.8	70		SAND, silty (SM) - Pale yellow (2.5Y 8/4), moist to wet, medium dense, -HCL		
SS 19	⊗	▲	10-18-25	12	149.8	75		SAND (SP) - Pale yellow (2.5Y 8/3), wet, dense, -HCL		
SS 20	⊗	▲	50/4"	8	145.0	80		*SHELL HASH, silty (GM) - Pale yellow (2.5Y 8/4), wet, very dense, +HCL	Top of Utley Limestone at a depth of 76.8 feet	
SS 21	⊗	▲	25-30-31	18	140.1	85		CLAY (CL) - Greenish gray (GLEY1 5/1 to GLEY1 5/1/5GY), damp, hard, contains traces of shell hash, +HCL	Top of Blue Bluff Marl at a depth of 81.7 feet	
SS 22	⊗	▲	30-40-45	18		90		SAA		
SS 23	⊗	▲	15-24-36	18		95		SAA		
SS 24	⊗	▲	10-15-17	18	121.8	100		SAA		
								Boring terminated at 100 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1129	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1130</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1142482.8 E 622250.0</b>		BEGUN <b>3/8/2007</b>		COMPLETED <b>3/9/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>99.2</b>	
GROUND EL. <b>217.5</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							217.5				
SS 1	X	▲		6-7-10	18					<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), dry, medium dense, fine grained, low plasticity SAA except very dense	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X			4-18-39	18						
SS 3	X	▲		11-19-13	16			5		SAA except dense	
SS 4	X	▲		9-14-14	16					SAA	
SS 5	X	▲		7-9-11	17			10		SAA	
SS 6	X	▲		7-9-9	16		204.5			SAA except red (10R 4/8)	
SS 7	X	▲		4-5-6	15			15		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), dry to damp, medium dense, fine grained, nonplastic	
SS 8	X	▲		4-8-14	11.5			20		SAA except strong brown (7.5YR 5/8), damp, low plasticity, contains CLAY seams and trace phosphate grains	
SS 9	X	▲		5-11-20	11			25		SAA except dense	
UD 1	X	□			16		190.5	30		<b>*SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), damp, fine grained, low plasticity, -HCL Pocket Penetrometer: 1.0 TSF	Direct Push
UD 2	X	○			25		185.5	35		<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/8), damp, low plasticity, fine grained SAND Pocket Penetrometer: 2.5 TSF <b>*SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/8), damp, fine grained	Direct Push
UD 3	X	□ ○			19		183.0	40		SAA except light red (10R 6/6) to brownish yellow (7.5YR 6/6), low plasticity Pocket Penetrometer: 1.0 TSF	Direct Push
SS 10	X	▲		3-3-6	11			45		SAA except yellowish brown (10YR 5/8), loose	
SS	X	▲		3-4-4	18					SAA except pale yellow (2.5Y 7/4)	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1130**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1130
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11									
SS 12	▲		1-2-4	18		55		SAA	
					160.5				
SS 13	▲		9-12-11	11		60		SAND, with silt (SP-SM)- Brownish yellow (10YR 6/8), damp, medium dense, fine grained, nonplastic, contains trace phosphate grains	
					155.5				
SS 14	▲		1-3-4	18		65		CLAY, silty with sand (CL-ML)- Pale yellow (5Y 7/3), damp, medium stiff, low plasticity, fine grained SAND, -HCL	
SS 15	▲		1-3-1	17		70		SAA except soft, contains shell fragments	Loss of circulation at a depth of 70.0 feet. Reamed hole with a 4" drill bit. Installed 4" steel casing to a depth of 75.0 feet
					145.5				Top of Utley Limestone at a depth of 72.0 feet
SS 16	▲		7-26-3	8.5		75		SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, medium dense, fine to medium grained, low plasticity, contains shell fragments, +HCL	
SS 17	▲		1-21-50/2"	8		80		SAA except pale yellow (5Y 7/3), very dense, contains shell fragments and calcareous limestone	
					136.5				Top of Blue Bluff Marl at a depth of 81.0 feet
SS 18	▲		19-30-42	18		85		CLAY, silty (CL-ML)- Dark greenish gray (GLEYS 4/5GY), damp, hard, low plasticity, contains trace shell fragments, phosphate grains, and SAND and CLAY seams, +HCL	Water level depth at end of 3/8/07 = Top of casing
SS 19	▲		31-50/2"	8		90		SAA except contains many shell fragments	Water level depth at beginning of 3/9/07 = Borehole dry
SS 20	▲		9-11-13	18		95		SAA except dry to damp, very stiff	
SS 21	▲		9-50/2"	10		118.3		SAA except hard	
								Boring terminated at 99.17 feet	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1130

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1131</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1143173.0 E 621823.1</b>		BEGUN <b>1/16/2007</b>		COMPLETED <b>1/17/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>98.6</b>	
GROUND EL. <b>222.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.2				
SS 1	X	▲		8-9-9	18					SAND, silty (SM)- Red (10R 4/6), dry, medium dense	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		7-7-10	9					SAA	
SS 3	X	▲		9-13-13	15		216.7	5		SAA	
SS 4	X	▲		13-28-31	18					SAND, with silt (SP-SM)- Red (2.5YR 5/6), moist, very dense, fine to medium grained	
SS 5	X	▲		8-19-21	18			10		SAA except brown (7.5YR 5/6), damp, dense, fine grained	
SS 6	X	▲		8-21-31	7		209.2			SAA except dark brown (10YR 3/3), very dense	
SS 7	X	▲		3-8-10	18		205.4	15		SAND (SP) - Yellowish red (5YR 5/8), moist, medium dense	Installed 4" steel casing to a depth of 17.5 feet
SS 8	X	▲		7-12-13	9			20		SAND, silty (SM)- Brown (7.5YR 4/6), moist, medium dense	
SS 9	X	▲		7-12-13	11			25		SAA except yellowish red (5YR 5/8)	
UD 1	■	○			26.75			30		SAA except orange (7.5YR 6/6)	Direct Push
UD 2	■				7			35		SAA except orange (7.5YR 6/8), damp	Removed casing to retrieve UD sample. Reinstalled casing to a depth of 30.0 feet
UD 3	■				23.5		185.4	40		CLAY (CL)- Yellowish brown (10YR 7/8)	Direct Push
SS 10	X	▲		3-5-6	18			45		SAA except pale yellow (5Y 7/4), damp, stiff, -HCL	Water level depth at end of 01/16/07 = Ground surface
SS	X	▲		4-6-6	18		175.4			SAND, silty, clayey (SC-SM)- Pale yellow (5Y 7/4), damp, medium dense, -HCL	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE




















SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1131**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1131
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11					170.4				
SS 12	▲		4-5-10	14	165.4	55		SAND, clayey (SC) - Pale yellow (5Y 7/3), damp, medium dense	
SS 13	▲		7-8-11	12	155.4	60		SAND, silty (SM) - Pale yellow (5Y 7/4), damp, medium dense	
SS 14	▲		10-11-13	12	150.4	65		SAA except yellow (2.5Y 7/3), -HCL	
SS 15	▲		6-7-12	11	145.4	70		SAND, with silt (SP-SM) - Yellow (2.5Y 7/3), medium dense, -HCL	
SS 16	▲		10-12-13	11	140.4	75		SAND, clayey (SC) - Pale yellow (5Y 8/4), medium dense, -HCL	
SS 17	▲		12-14-17	3	137.2	80		SAND (SP) - Pale yellow (5Y 8/2), wet, medium dense, -HCL	
SS 18	▲		14-50/1"	12	133.7	85		CLAY (CL) - Brown (10YR 4/3), hard, -HCL	Top of Utley Limestone at a depth of 85.0 feet
SS 19	▲		11-16-21	18	123.6	90		*SHELL HASH (GP) - Pale yellow (5Y 8/2), +HCL	Top of Blue Bluff Marl at a depth of 88.5 feet
SS 20	▲		21-23-27	18		95		CLAY (CL) - Greenish gray (GLE Y1 5/1/10GY), damp, hard	
SS 21	▲		50/1"	12				SAA except moist, contains shell hash, +HCL	
								SAA Boring terminated at 98.58 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1131

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-1132</b>
LOGGED BY <b>M. Harvey</b>			COORDINATES <b>N 1142614.2 E 621450.1</b>			BEGUN <b>1/25/2007</b>		COMPLETED <b>1/25/2007</b>
DRILLER <b>Warren-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>100.0</b>
GROUND EL. <b>218.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						218.7				
SS 1	▲		50/1"	3		217.2			<b>GRAVEL, clayey (GC)</b> - Fill, roadway	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	▲		7-14-13	11					<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), dry, medium dense	
SS 3	▲		2-3-11	2					<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), damp, medium dense	
SS 4	▲		6-9-14	10		213.2	5		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), damp, medium dense	
SS 5	▲		9-11-12	13		210.7			<b>SAND, silty, clayey (SC-SM)</b> - Yellowish brown (10YR 5/8), dry, medium dense	
SS 6	▲		9-12-13	13		208.2	10		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), dry, medium dense	
SS 7	▲		7-9-9	13		205.7	15		<b>SAND, silty, clayey (SC-SM)</b> - Red (2.5YR 5/6) and yellow (10YR 7/6), dry, medium dense	
						201.7				
SS 8	▲		6-12-10	12		196.7	20		<b>SAND, silty (SM)</b> - Red (2.5YR 4/8), dry to damp, medium dense, fine to coarse grained	
										
SS 9	▲		9-9-9	8			25		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), dry, medium dense	
UD 1	■			12			30		SAA except brown (7.5YR 5/8) and pale yellow (2.5Y 8/4) Pocket Penetrometer: 2.75 TSF	Direct Push
						186.7				
UD 2	■	○		13			35		<b>*CLAY, sandy (CH)</b> - Yellowish brown (10YR 5/6) Pocket Penetrometer: 1.5 TSF	Direct Push
										
UD 3	■	+ ⊖ - - - +		23.5			40		SAA Pocket Penetrometer: 2.0 TSF	Direct Push
						176.7				
SS 10	▲		3-5-6	16			45		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/8), damp, medium dense	
SS	▲		1-3-5	18					SAA except yellow (2.5Y 7/6), loose, contains CLAY lenses	

PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b> <b>Final Log</b>	HOLE NO. <b>B-1132</b>
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GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1132	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11									
SS 12	⊗	▲	2-6-11	18		55		SAA except medium dense	
					161.7				
SS 13	⊗	▲	8-11-12	8		60		SAND, with silt (SP-SM)- Yellow (10YR 7/6), dry to damp, medium dense	
					156.7				
SS 14	⊗	▲	11-14-15	6		65		SAND (SP)- Brownish yellow (10YR 6/6), wet, medium dense	
					151.7				
SS 15	⊗	▲	2-6-9	12		70		SAND, clayey (SC)- Pale yellow (2.5Y 8/4), wet, medium dense, -HCL	
					146.7				
SS 16	⊗	▲	12-20-21	8		75		SAND, with clay (SP-SC)- Pale yellow (2.5Y 8/2), wet, dense, -HCL	
SS 17	⊗	▲	12-14-14	15		80		SAA except pale yellow (5Y 8/3), moist, medium dense	
					136.7				
SS 18	⊗		50/1"	0		85		NO RECOVERY	Top of Utley Limestone at a depth of 81.8 feet
					131.7				
SS 19	⊗		50/1"	1		90		*SHELL HASH, clayey (GC)- Pale yellow (5Y 8/3), +HCL	
					126.7				
SS 20	⊗	▲	16-30-34	18		95		CLAY (CL)- Dark greenish gray (GLEYS 4/1/10Y), damp, hard, +HCL	Top of Blue Bluff Marl at a depth of 91.75 feet
SS 21	⊗	▲	17-20-27	18		118.7		SAA	
						100		Boring terminated at 100 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
					Final Log				B-1132

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1133</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1142968.9 E 621451.2</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>2/13/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>221.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							221.2				
SS 1	X	▲		4-5-10	18					<b>SAND, with clay (SP-SC)-</b> Red (10R 4/6), damp, medium dense, very fine grained, nonplastic SAA except yellowish red (5YR 5/6)	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		10-12-14	18						
SS 3	X	▲		10-15-18	14						
SS 4	X	▲		4-5-5	18						
SS 5	X	▲		5-8-13	19						
SS 6	X	▲		7-11-18	19		210.7				
SS 7	X	▲		10-13-16	18		207.2			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/6), moist, medium dense, coarse grained, angular to subangular, nonplastic SAA	
SS 8	X	▲		13-12-20	18					<b>CLAY (CL)-</b> Red (7.5YR 4/8), moist, very stiff, low plasticity, low toughness, -HCL SAA except reddish brown (2.5YR 5/4), hard	
SS 9	X	▲		14-15-19	17						
UD 1	■	○	□			22				<b>*SAND, silty (SM)-</b> Brownish yellow (10YR 6/8), moist, dense, coarse grained, subrounded, nonplastic, contains trace of shell hash SAA except no shell hash Pocket Penetrometer: 4.5 TSF, 3.0 TSF, 4.0 TSF	
UD 2	■	○	□			19				SAA except medium dense, fine grained Pocket Penetrometer: 2.0 TSF, 3.0 TSF, 2.5 TSF	Direct Push
UD 3	■	○	□			24				<b>CLAY (CL)-</b> Yellow (10YR 7/6), moist, stiff, low plasticity Pocket Penetrometer: 1.0 TSF, 1.5 TSF, 2.0 TSF	Direct Push
SS 10	X	▲		4-3-5	20					<b>CLAY (CH)-</b> Brownish yellow (10YR 6/6), moist, medium stiff, high plasticity	Changed to a 2 7/8" drill bit
SS	X	▲		7-7-8	17					<b>CLAY, with sand (CL)-</b> Light yellowish brown (10YR 6/4), moist, very stiff, low	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1133**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1133
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11								plasticity, fine and coarse grained SAND	
SS 12	▲		4-4-5	19		55		SAA except pale yellow (2.5Y 7/4), stiff, very fine to fine grained SAND, iron staining observed	
SS 13	▲		5-5-6	19		60		SAA except pale yellow (5Y 8/4), moist to wet	
SS 14	▲		6-8-10	14	159.2	65		SAND, with silt (SP-SM)- Very pale brown (10YR 7/4), wet, medium dense, fine grained, nonplastic	
SS 15	▲		6-8-11	18	149.2	70		SAA except yellow (10YR 7/6), medium grained, subangular to subrounded	
SS 16	▲		3-4-9	18	144.2	75		CLAY, with sand (CL)- Light yellowish brown (2.5Y 6/3), moist, stiff, low plasticity, low toughness, fine grained SAND	
SS 17	▲		4-6-10	18	140.2	80		SAND, with clay (SP-SC)- Pale yellow (2.5Y 7/3), wet, medium dense, fine grained with some medium grained, nonplastic, -HCL	
SS 18	▲		6-13-30	18	134.2	85		CLAY (CH)- Dark greenish gray (GLE Y1 4/5GY), moist, hard, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 81.0 feet
SS 19	▲		22-27-36	19		90		CLAY (CL)- Dark greenish gray (GLE Y1 4/5GY), moist, hard, low plasticity, high toughness, +HCL	
SS 20	▲		17-19-26	18		95		SAA except contains trace fossils	
SS 21	▲		18-22-25	20	121.2	100		SAA	
								Boring terminated at 100 feet	Water level depth at beginning of 2/14/07 = 56.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1133



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-1134</b>
LOGGED BY <b>M. Harvey</b>		COORDINATES <b>N 1143282.9 E 621104.3</b>			BEGUN <b>1/22/2007</b>		COMPLETED <b>1/23/2007</b>	
DRILLER <b>Warren-MACTEC</b>		DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>100.0</b>
GROUND EL. <b>222.0</b>		DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>				

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80			222.0				
SS 1	▲		5-7-8	12	221.5		0	<b>SAND, silty (SM)</b> - Dark red (10R 3/6), dry, medium dense	Top of Fill at 0.0 feet Top of Barnwell Group at a depth of 0.5 feet
SS 2	▲		6-7-9	14			1	<b>SAND, silty (SM)</b> - Dark red (10R 3/6), dry, medium dense	
SS 3	▲		7-8-15	12			5	SAA except red (2.5YR 4/6)	
SS 4	▲		6-6-8	15	214.0		5	SAA except red (2.5YR 4/8), fine to coarse grained	
SS 5	▲		7-8-11	12			10	<b>SAND with clay (SP-SC)</b> - Yellowish red (5YR 5/8), damp, medium dense	Installed 4" steel casing to a depth of 20.0 feet Water level depth at end of 1/22/2007 = 20.0 feet
SS 6	▲		9-7-9	9			10	SAA except reddish yellow (7.5YR 6/8)	
SS 7	▲		6-6-8	12	205.0		15	SAA except yellow (10YR 7/6)	
SS 8	▲		5-5-8	10			20	<b>SAND, silty (SM)</b> - Yellowish brown (10YR 6/8), dry, medium dense	
SS 9	▲		6-5-5	10			25	SAA except yellow (10YR 7/6), damp	
SS 10	▲		3-3-4	18	195.0		30	<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, medium stiff, fine grained	
SS 11	▲		3-3-4	18			35	SAA	
SS 12	▲		4-6-7	12	185.0		40	<b>SAND, silty, clayey (SC-SM)</b> - Brownish yellow (10YR 6/8), damp, medium dense	
SS 13	▲		3-4-4	18	180.0		45	<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), loose	
SS	▲		3-3-3	18	175.0			<b>CLAY, sandy (CL)</b> - Red (10R 5/8), moist, medium stiff	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1134**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1134
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						170.0				
SS 15	▲		6-6-7	12		55		SAND, with clay (SP-SC)- Light red (10R 6/6), wet, medium dense		
SS 16	▲		9-9-10	10		60		SAND (SP)- Light red (10R 6/6), damp, medium dense		
SS 17	▲		5-7-12	18		65		CLAY, with sand (CL)- Pale yellow (2.5Y 8/3), very stiff, contains shell fragments, +HCL		
SS 18	▲		17-16-14	11		70		*SHELL HASH, clayey (GC)- White to pale yellow (2.5Y 8/6), medium dense	Top of Utley Limestone at a depth of 67.0 feet	
SS 19			50/1"	6		75		SAA except pale yellow (2.5Y 8/3), very dense	Loss of circulation at a depth of 73.5 feet	
SS 20			50/1"	2		80		SAA		
SS 21	▲		34-13-14	9		85		SAA except pale brown (10YR 7/3), wet, medium dense, +HCL		
SS 22	▲		13-17-47	18		90		CLAY (CL)- Dark greenish grey (GLEYS 1 4/1/10Y), dry to damp, hard, +HCL	Top of Blue Bluff Marl at a depth of 86.75 feet	
SS 23			50/1"	3		95		SAA		
SS 24	▲		20-21-31	18		100		SAA		
								Boring terminated at 100 feet	Water level depth at end of 1/23/2007 = 56.1 feet	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1134	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1136</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1143178.1 E 621023.0</b>				BEGUN <b>1/24/2007</b>		COMPLETED <b>1/24/2007</b>	
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>221.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80				221.7				
SS 1	X	▲	4-5-7	13					<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), dry, medium dense</b>	Top of Fill at 0.0 Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲	5-6-8	13		218.4			<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), dry, medium dense</b>	
SS 3	X	▲	7-7-12	11			5		<b>SAA except very pale brown (10YR 7/3)</b>	
SS 4	X	▲	7-14-16	6					<b>SAND, silty (SM)- Red (2.5YR 5/6), dry, medium dense</b>	
SS 5	X	▲	8-11-16	13			10		SAA	
SS 6	X	▲	8-9-11	14					SAA	
SS 7	X	▲	10-14-14	12			15		SAA	
						204.7				
SS 8	X	▲	7-8-10	13			20		<b>SAND, clayey (SC)- Yellowish red (5YR 5/8), fine to coarse grained</b>	
						199.7				
SS 9	X	▲	7-8-11	10			25		<b>SAND (SM)- Yellow (10YR 7/8), dry to damp, medium dense</b>	
						194.7				
UD 1	■						30		<b>NO RECOVERY</b>	Direct Push
						189.7				
UD 2	■	□					35		<b>SAND, silty, clayey (SC-SM)- Brownish yellow (10YR 6/8)</b>	Direct Push
						184.7				
UD 3	■	□					40		<b>*SAND, silty (SM)- Pale yellow (5Y 8/3)</b>	Direct Push
UD 4	■	○					45		<b>SAA except olive yellow (2.5Y 6/6)</b>	Direct Push
SS	X	▲	5-4-6	10					<b>SAA except yellow (2.5Y 7/8), wet, medium dense, -HCL</b>	

PREPARED BY: A. TAYLOR		SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>		HOLE NO. <b>B-1136</b>	
REVIEWED BY: P. DEPREE		<b>Final Log</b>			

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1136				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
10														
SS 11	▲						5-4-4	15		55		SAA except pale yellow (2.5Y 7/4), loose		
SS 12	▲						5-7-6	12		60		SAA except pale yellow (2.5Y 8/3), medium dense		
SS 13	▲						4-9-8	9		65		SAA		
SS 14	▲						5-5-2	9		70		SAA except pale yellow (2.5Y 7/4), damp, loose		
SS 15	▲						3-3-5	8		149.7		SAND, silty (SM)- Pale yellow (2.5Y 8/3), dry, loose, -HCL	Loss of circulation at a depth of 72.0 feet	
SS 16	▲						4-6-7	11		80		SAA except medium dense		
SS 17	▲						4-4-3	11		139.7		SAND (SP) - Pale red (2.5YR 7/2), wet, loose, -HCL		
SS 18	▲						14-7-7	18		134.9		CLAY (CL) - Pale olive (5Y 6/4), moist, stiff, +HCL		
SS 19							27-50/1"	16		129.9		CLAY (CL) - Dark greenish grey (GLEY 1 4/1/10Y), damp, hard, +HCL	Top of Blue Bluff Marl at a depth of 91.75 feet	
SS 20							21-23-25	18		121.7		SAA		
										100		Boring terminated at 100 feet		
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1136	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1138</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1143469.7 E 619192.8</b>		BEGUN <b>2/7/2007</b>		COMPLETED <b>2/8/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>215.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %  20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
					215.8						
SS 1	X	▲	3-4-6	12	214.3			<b>SAND, with silt (SP-SM)-</b> Yellowish red (5YR 4/6), damp, loose, fine grained		Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	○	4-3-3	10	212.6			<b>SAND, clayey (SC)-</b> Red (2.5YR 4/8), damp, loose, fine grained			
SS 3	X	▲	2-3-6	9	209.8	5		<b>SAND, with silt (SP-SM)-</b> Reddish brown (5YR 4/4), damp, loose, fine grained			
SS 4	X	▲	2-3-6	9	207.3			<b>*SAND, silty (SM)-</b> Reddish brown (5YR 4/4), damp, loose, fine grained			
SS 5	X	▲	1-2-2	8	205.3	10		<b>SAND, with silt (SP-SM)-</b> Reddish brown (5YR 4/4), damp, loose, fine grained very loose			
SS 6	X	○	2-5-5	10	202.8			<b>*SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/8), damp, loose, fine grained			
SS 7	X	▲	2-6-7	11		15		<b>*SAND, silty (SM)-</b> Yellowish red (5YR 5/8), moist, medium dense, fine grained			
SS 8	X	▲	6-9-8	8		20		SAA except yellowish red (2.5YR 5/8)			
SS 9	X	▲	4-8-8	9		25		SAA except reddish yellow (7.5YR 6/8)			
SS 10	X	▲	4-6-6	13	188.8	30		<b>*SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine grained			
SS 11	X	▲	2-4-6	16	178.8	35		<b>CLAY, silty (CL-ML)-</b> Yellow (10YR 7/6), wet, stiff, medium to high plasticity			
SS 12	X	▲	1-2-3	18	173.3	40		<b>SAND, clayey (SC)-</b> Yellow (10YR 7/8), wet, loose, fine grained, nonplastic to low plasticity, -HCL			
SS 13	X	▲	1-2-3	18	168.8	45		<b>CLAY, silty (CL-ML)-</b> Light greenish gray (GLE Y1 8/10Y), wet, medium stiff, medium plasticity, -HCL			
SS	X	▲	2-5-6	16				<b>SAND, with silty clay (SP-SC)-</b> Light greenish gray (GLE Y1 7/5GY), wet, medium			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE









SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1138**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1138
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					163.8			dense, fine grained, low to medium plasticity, +HCL	
SS 15	▲		12-11-2	18		55		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), wet, medium dense, medium to coarse grained, nonplastic to low plasticity, contains trace shell fragments, +HCL	
SS 16	▲		6-6-4	16		60		<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 8/4), wet, stiff, medium plasticity, very fine grained SAND, contains shell fragments up to 1" in diameter, +HCL	
SS 17	▲		5-5-7	18		65		<b>CLAY (CL)</b> - Pale yellow (5Y 7/3), wet, stiff, high plasticity, -HCL	
SS 18	▲		4-4-5	12		70		<b>SAND, with silt (SP-SM)</b> - Yellow (5Y 8/6), wet, loose, fine to medium grained, contains shell fragments, +HCL	Loss of circulation at a depth of 68.5 feet. Installed 3" steel casing to 68.5 feet.
SS 19	▲		WOH/6"-1-2	18		75		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), wet, very loose, fine grained, low to medium plasticity, -HCL	
SS 20	▲		1-1-1	16		80		<b>SAND, with clay (SP-SC)</b> - Pale yellow (5Y 8/3), wet, very loose, fine grained, nonplastic, -HCL	Water level depth at end of 2/7/07 = Top of Casing
SS 21	▲		2-2-3	14		85		<b>SAND (SP)</b> - Pale yellow (2.5Y 8/4), wet, loose, fine to medium grained, -HCL	Water level depth at beginning of 2/8/07 = 52.5 feet
SS 22	▲		17-23-20	9		90		SAA except pale yellow (5Y 8/2), dense, medium grained	
SS 23	▲		13-16-19	8		95		SAA	
SS 24	▲		7-13-18	8		100		SAA	
					115.8			Boring terminated at 100 feet	
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1138</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1139</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142289.9 E 621026.8</b>		BEGUN <b>1/31/2007</b>		COMPLETED <b>2/2/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>216.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							










SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					216.7				
SS 1	X	▲	14-15-11	14	215.2			<b>GRAVEL, silty (GM)</b> - Crush run and some red SAND, dry, medium dense	Top of Fill at a depth of 0.0 feet
SS 2	X	▲	12-15-14	15				<b>SAND, silty (SM)</b> - Red (2.5YR 4/8), dry, medium dense	Top of Barnwell Group at a depth of 1.5 feet
SS 3	X	▲	7-9-10	8		5		SAA	
SS 4	X	▲	18-16-17	7				*SAA except red and gray, dense	
SS 5	X	▲	4-4-5	12		10		SAA except reddish yellow (5YR 6/8), moist, loose	
SS 6	X	▲	4-6-6	10				SAA except damp, medium dense	
SS 7	X	▲	4-5-6	12	203.7	15		<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/8) and light bluish gray (GLY 2 8/10B), damp, stiff, contains SAND lenses	
					199.7				
SS 8	X	▲	5-6-5	9		20		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/6), dry, medium dense	Installed 3" steel casing to a depth of 17.0 feet
					194.7				
SS 9	X	▲	10-13-14	10		25		<b>SAND (SP)</b> - Yellow (10YR 8/6), dry, medium dense	
					189.7				
UD 1	■	⊙		27		30		* <b>SAND, clayey (SC)</b> - Red Pocket Penetrometer: >4.5 TSF	Direct Push Removed casing to retrieve UD sample
UD 2	■	⊙		26		35		SAA Pocket Penetrometer: 0.75 TSF SAA except orange	Direct Push
UD 3	■	+ □		25.5	177.2	40		SAA except red Pocket Penetrometer: 1.1 TSF <b>SAND, clayey (SC)</b> - Orange	Direct Push
SS 10	X	▲	3-5-7	18		45		SAA except brownish yellow (10YR 6/6), damp, medium dense	
SS	X	▲	6-8-8	18				SAA except red (10R 5/8)	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1139</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1139
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11									Water level depth at end of 1/31/07 = Ground surface
SS 12	▲		3-4-5	16		55		SAA except pale red (2.5YR 7/2) and yellow (2.5Y 7/6), damp, loose, contains CLAY lense	Water level depth at beginning of 2/2/07 = 38.0 feet
SS 13	▲		4-5-7	15		60		SAA except pale yellow (5Y 8/3), damp, medium dense, no lenses	
SS 14	▲		10-13-16	15	154.9	65		*SHELL HASH, silty (GM)- White (5Y 8/1), damp, medium dense	
SS 15	▲		7-11-15	16	149.7	70		CLAY, sandy (CL)- Yellow (2.5Y 7.5/6), very stiff	
SS 16	▲		16-16-21	17	144.7	75		SAND, clayey (SC)- White (2.5Y 8/1), dense, contains shell hash	
SS 17	▲		11-11-12	16	139.7	80		SAND, with clay (SP-SC)- Pale yellow (5Y 8/3), moist, medium dense	
SS 18	▲		11-11-16	15	134.7	85		SAND (SP)- Pale yellow (2.5Y 8/2), wet, medium dense	
SS 19	▲		35-50/1"	7	129.7	90		*SHELL HASH, silty (GM)- Pale yellow (5Y 8/3), wet, dense, +HCL	Top of Utley Limestone at a depth of 87.0 feet
SS 20	▲		8-10-12	18	124.7	95		SILT (ML)- Pale olive (6/3) to greenish gray in tip, damp, very stiff, +HCL	Top of Blue Bluff Marl at a depth of 94.8 feet
SS 21	▲		11-23-50	18	121.9	100		CLAY (CL) Dark greenish gray (GLEY1 4/1/10Y), dry to damp, hard	
SS 22	▲		14-18-26	18		105		SAA	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1139

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1139
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 23	×	▲	23-26-36	18		110		SAA	
SS 24	×	▲	19-16-21	18		115		SAA	
SS 25	×	▲	18-28-35	18		120		SAA except greenish gray (GLE Y1 5/1/5GY), damp, hard	
SS 26	×	▲	19-27-36	18		125		SAA	
SS 27	×	▲	48-50/1"	16		130		SAA	
SS 28	—	▲	50/1"	8		135		SILT (ML) - Greenish gray (GLE Y1 6/1/10Y), hard, lithified, limestone	
SS 29	×	▲	29-31-34	18		140		CLAY (CH) - Greenish gray (GLE Y1 6/1/10Y), damp, hard, high plasticity	
SS 30	×	▲	28-31-40	18		145		SAA	
SS 31	×	▲	17-28-35	15		150		SAA	
							Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1139



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1140</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142290.2 E 621823.6</b>		BEGUN <b>11/14/2006</b>		COMPLETED <b>11/16/2006</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>216.6</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					216.6				
SS 1	X	▲	8-10-15	10		216.0			GRAVEL - Parking lot/roadway	Top of Fill at a depth of 0.0 feet. Top of Barnwell Group at a depth of 0.6 feet.	
SS 2	X	▲	9-10-9	10					SAND (SP) - Red (2.5YR 4/6), dry, medium dense, medium grained		
SS 3	X	▲	8-9-8	7					SAA		
SS 4	X	▲	7-8-9	12			5		SAA except damp		
SS 5	X	▲	5-7-9	12							
SS 6	X	▲	6-8-9	10		206.1	10		SAND, with clay (SP-SC)- Reddish yellow (7.5YR 6/6), damp, medium dense, fine grained		
SS 7	X	▲	7-8-9	10		203.6			SAND (SP) - Reddish yellow (7.5YR 6/8), damp, medium dense, fine grained		
SS 8	X	▲	9-13-13	10			15		SAA		
SS 9	X	▲	5-7-9	12			20		SAA except contains traces of CLAY		
SS 10	X	▲	5-5-5	18		189.6	25		SAND, clayey (SC) - Brown (7.5YR5/8), damp, loose to medium dense, fine to very fine grained		
SS 11	X	▲	5-5-5	13		184.6	30		CLAY (CL) - Olive yellow (2.5Y 6/6), damp, stiff, traces of fine SAND		
SS 12	X	▲	3-4-5	10		179.6	35		SAND, clayey (SC) - Brownish yellow (10YR 6/8), wet, loose, fine to medium grained		
SS 13	X	▲	3-4-5	18		174.6	40		SAND (SP) - Pale yellow (2.5YR 7/3), moist, loose, fine grained, with traces of CLAY		
SS	X	▲	9-11-8	7			45		SAA except pale yellow (2.5Y 7/4), medium dense		

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1140</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1140
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		8-17-14	8		55		SAA except yellow (10YR 7/6), with traces of gravel	
SS 16	▲		1-2-6	11	158.1	60		<b>CLAY, sandy (CL)</b> - Pale yellow (5Y 8/3) to white, moist, stiff to medium stiff, with occasional shell hash	Loss of circulation. Install casing to a depth of 60.0 feet.
SS 17	▲		5-7-25	18		65		SAA except hard, contains shell hash and shell fragments	
SS 18	▲		50/6"	12	149.6	70		<b>SAND (SP)</b> - White (2.5Y 8/1) and pale yellow (2.5Y 8/2), moist to wet, very dense, contains shells and shell fragments, medium to coarse grained	Casing advanced to a depth of 67.0 feet
SS 19	▲		13-14-25	11		75		SAA except white to pinkish white (10R 8/2), wet, dense	
SS 20	▲		8-12-20	15		80		SAA except pale yellow (5Y 8/3) and brown (5YR 4/3), wet, dense, occasional shell hash	
SS 21	▲		50/1"	3	133.1	85		<b>SAND (SP)</b> - Pale yellow (2.5 1/7/4), wet, very dense, contains shells and shell fragments, medium grained	Top of Utley Limestone at a depth of 83.5 feet.
SS 22	▲		12-19-26	18	128.1	90		<b>CLAY (CL)</b> - Dark greenish gray (GLEYS 4/1/5GY), moist, hard, with trace shell hash	Top of Blue Bluff Marl at a depth of 88.5 feet.
SS 23	▲		50/5"	12		95		SAA	
SS 24	▲		50/4"	12		100		SAA	
SS 25	▲		14-19-25	18	114.6	105		<b>SILT (ML)</b> - Dark greenish gray (GLEYS 4/1/5GY), moist, hard, with traces of very fine grained SAND	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1140

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1140
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×		▲	50/6"	18		110		SAA except contains traces of shell hash	Water level depth at end of 11/15/2006 = Ground surface
SS 27	×		▲	50/3"	16		115		SAA	
SS 28	×		▲	50/2"	2		120		SAA	
SS 29	×		▲	50/4"	4		125		SAA	
SS 30	×		▲	50/4"	10		130		SAA	
SS 31	×		▲	50/3"	8		135		SAA	
SS 32	×		▲	50/6"	20	79.6	140		<b>CLAY (CL)</b> - Greenish gray (GLEY1 6/1/10GY), damp/moist, hard, with traces of SILT and very fine SAND	
SS 33	×	▲		12-17-20	20		145		SAA	
SS 34	×	▲		10-20-20	20		150		SAA	
						66.6			Boring Terminated at 150 feet	
SITE						Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1140</b>



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1142</b>	
LOGGED BY <b>B. Mabie</b>				COORDINATES <b>N 1144416.6 E 620649.6</b>		BEGUN <b>2/12/2007</b>		COMPLETED <b>2/13/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>224.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				224.7					
SS 1	▲		2-1-1	16		224.7			<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), damp, very loose, fine grained, nonplastic, -HCL</b>	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		2-2-2	15		221.4			<b>SAA</b>		
SS 3	▲		2-4-3	12		219.2	5		<b>SAND, with silty clay (SP-SC)- Red (2.5YR 4/8), damp, loose, fine grained, nonplastic, -HCL</b>		
SS 4	▲		4-6-5	14		216.7			<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), moist, medium dense, fine grained, nonplastic, -HCL</b>		
SS 5	▲		5-7-4	8		214.2	10		<b>SAND, with silty clay (SP-SC)- Red (2.5YR 4/8), moist, medium dense, fine grained, nonplastic, -HCL</b>		
SS 6	▲		4-4-5	10		211.7			<b>SAND, clayey (SC)- Red (2.5YR 4/8), moist, loose, fine to medium grained, nonplastic to low plasticity, -HCL</b>		
SS 7	▲		4-4-3	11		207.7	15		<b>SAND, with clay (SP-SC)- Yellow (10YR 7/8), moist, loose, fine to medium grained, nonplastic, to low plasticity, -HCL</b>	Installed 3" steel casing to a depth of 15.0 feet	
SS 8	▲		3-5-4	11		202.7	20		<b>SAND, silty, clayey (SC-SM)- Brownish yellow (10YR 6/6), moist, loose, fine to medium grained, nonplastic to low plasticity, -HCL</b>		
SS 9	▲		WOH/6"-2-3	16			25		<b>CLAY, silty (CL-ML)- Light gray (2.5Y 7/2), moist, medium stiff, low plasticity, -HCL</b>		
SS 10	▲		7-25-44	18			30		<b>SAA except hard, contains shell hash, +HCL</b>		
SS 11	▲		8-12-21	18			35		<b>SAA except greenish gray (GLE Y1 5/5G), very stiff, contains scarce shell fragments, -HCL</b>		
SS 12	▲		11-13-14	18		182.7	40		<b>SAA</b>		
SS 13	▲		50/4"	4		177.7	45		<b>SILT (ML)- Light greenish gray (GLE Y1 8/10Y), dry, hard, nonplastic, contains shell hash and cemented SILT, +HCL</b>		
SS	▲		2-15-50/5"	12					<b>SAND, silty, clayey (SC-SM)- Light gray (GLE Y1 7/N), moist, very dense, low plasticity,</b>		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1142**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1142
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						172.7		contains shell fragments, +HCL	
SS 15	⊗	▲	12-12-10	18		55		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 7/4), wet, medium dense, fine to medium grained, nonplastic to low plasticity, contain shell fragments, +HCL	
SS 16	⊗	▲	6-7-12	18		60		SAA except pale yellow (2.5Y 8/3)	
SS 17	⊗	▲	6-8-9	18		65		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 7/3), moist, very stiff, low plasticity, contains shell fragments, +HCL	
SS 18	⊗	▲	14-18-15	18		70		<b>SAND, silty, clayey (SC-SM)</b> - Light gray (2.5Y 7/2), wet, dense, fine to medium grained, nonplastic to low plasticity, +HCL	
SS 19	⊗	▲	10-18-32	18		75		<b>SAND, with silt (SP-SM)</b> - Light gray (2.5Y 7/2), wet, dense, fine to medium grained, nonplastic, contains shell fragments, +HCL	
SS 20	⊗	▲	16-50/4"	8		80		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 8/2), wet, hard, low plasticity, contains shell hash, +HCL	Water level depth at end of 2/12/07 = Top of casing
SS 21	⊗	▲	16-14-14	14		85		<b>SAND, with silt (SP-SM)</b> Very pale brown (10YR 8/3), wet, medium dense, fine grained, nonplastic, contains shell fragments, +HCL	Water level depth at beginning of 2/13/07 = Borehole dry
SS 22	⊗	▲	17-16-22	18		90		<b>CLAY, silty (CL-ML)</b> - Pale yellow (2.5Y 8/2), wet, hard, low plasticity, contains shell hash, +HCL	
SS 23	⊗	▲	11-8-9	16		95		<b>SAND, silty, clayey (SC-SM)</b> - Light brownish gray (2.5Y 6/2), wet, medium dense, fine grained, nonplastic to low plasticity, contains shell fragments, +HCL	
SS 24	⊗	▲	7-11-10	16		100		<b>SAND, with silty clay (SP-SC)</b> - Light brownish gray (2.5Y 6/2), wet, medium dense, fine grained, nonplastic to low plasticity, contains shell fragments, +HCL Boring terminated at 100 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1142

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1146</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1145428.4 E 622272.1</b>		BEGUN <b>1/8/2007</b>		COMPLETED <b>1/9/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>98.6</b>	
GROUND EL. <b>240.0</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						240.0					
SS 1	X	▲	2-2-3	14		238.5			<b>SAND, with clay (SP-SC)</b> - Yellowish brown (10YR 5/8), damp, loose, fine grained, contains organics, nonplastic	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	4-5-3	18		236.5		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), damp, loose, very fine grained, contains organics, nonplastic			
SS 3	X	▲	6-8-5	18		233.0	5	<b>SAND, with clay (SP-SC)</b> - Red (5YR 5/6), damp, medium dense, very fine grained, nonplastic			
SS 4	X	▲	3-6-12	18		227.0	10	<b>SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/8), damp, medium dense, fine grained, nonplastic			
SS 5	X	▲	8-11-14	14		223.0	15	SAA except light olive brown (2.5Y 5/4), moist			
SS 6	X	▲	9-12-8	14		218.0	20	SAA except dark grayish brown (2.5Y 4/2)			
SS 7	X	▲	2-2-2	15		213.0	25	<b>SAND, with clay (SP-SC)</b> - Brown (7.5YR 4/9), wet, loose, fine grained, nonplastic			
SS 8	X	▲	4-6-8	15			30	<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 4/6), wet, medium dense, fine grained, nonplastic			
SS 9	X	▲	8-10-14	17			35	<b>SAND, with clay (SP-SC)</b> - Yellowish red (5YR 5/6), wet, medium dense, fine grained, nonplastic			
SS 10	X	▲	3-4-6	15			40	<b>SILT (MH)</b> - Strong brown (7.5YR 5/6), moist, stiff, medium plasticity			
SS 11	X	▲	2-4-5	18			45	SAA except pale yellow (2Y 7/4), damp, high plasticity			
SS 12	X	▲	2-4-3	16				SAA except strong brown (7.5YR 5/6), moist, medium stiff			
SS 13	X	▲	2-2-2	12		197.0		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/6), wet, very loose, medium grained, nonplastic			
SS	X	▲	WOH/18"	14				SAA except yellow (10YR 7/6), fine grained			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1146**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1146
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	⊗	▲	8-29-49	18	186.5	55		*CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/2), moist, hard, low plasticity, contains shell fragments, +HCL	Loss of circulation at a depth of 53.0 feet. Installed 3" steel casing to a depth of 53.0 feet.
SS 16	⊗	▲	9-11-13	16	183.0	60		CLAY, with sand (CL)- Pale yellow (2.5Y 8/2), moist, very stiff, fine grained, low plasticity, contains shell fragments, +HCL	
SS 17	⊗	▲	14-25-30	18		65		SAA except yellow (2.5Y 8/6), hard	
SS 18	⊗	▲	19-22-22	16		70		SAA except pale yellow (2.5Y 8/3)	
SS 19	⊗	▲	8-14-32	17		75		SAA	
SS 20	⊗	▲	6-8-9	18	163.0	80		SAND, with clay (SP-SC)- Pale yellow (2.5Y 7/3), moist, medium dense, fine grained, traces of shell hash, nonplastic, +HCL	
SS 21	⊗	▲	39-13-42	18	158.0	85		*SAND, clayey (SC)- Pale yellow (7/3), moist, very dense, fine grained, non-plastic, contains shell fragments, +HCL	
SS 22	⊗	▲	50/1"	4	153.0	90		*CLAY (CH)- Pale yellow (2.5Y 8/4), moist, hard, contains shell hash, high plasticity	Top of Utley Limestone at a depth of 87.0 feet
SS 23	⊗	▲	8-11-18	18	148.0	95		SILT (ML) - Greenish gray (GLEYS 5/5GY), moist, very stiff, contains traces of shell hash, low plasticity, contains calcareous concretions, +HCL	Loss of circulation at a depth of 90.0 feet Water level depth at end of 01/08/2007 = Ground surface Top of Blue Bluff Marl at a depth of 92.0 feet Water level depth at beginning of 01/09/2007 = 86.8 feet
SS 24	⊗	▲	50/5.5"	7	141.5			SAA, except hard Boring terminated at 98.56 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1146



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 1 OF 2		HOLE NO. B-1148				
LOGGED BY S. Woodham				COORDINATES N 1145537.8 E 623236.5		BEGUN 1/4/2007		COMPLETED 1/5/2007						
DRILLER White-MACTEC				DRILL MAKE AND MODEL CME-55		HOLE DIAMETER 3 Inches		HAMMER SERIAL NUMBER 331145		TOTAL DEPTH 100.0				
GROUND EL. 218.9				DEPTH/EL. GROUND WATER		SITE: Vogtle Electric Generating Plant - Waynesboro, GA								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80	1st 6"	2nd 6"	3rd 6"						
SS 1	X	▲				5-5-4			13	218.9			SAND, clayey (SC)- Yellowish red (5YR 4/6), loose	Top of Fill at a depth of 0.0 feet
SS 2	X	▲				7-7-10			22	215.9			SAA except red (10R 4/6), medium dense	
SS 3	X	▲				9-14-12			10		5		SAND, clayey (SC)- Red to strong brown (7.5YR 5/6), damp, medium dense, fine to medium grained	Top of Barnwell Group at a depth of 3.0 feet
SS 4	X	▲				8-15-13			18				SAA	
SS 5	X	▲				6-12-11			18		10		SAA except olive brown (2.5Y 4/4), contains traces of SILT	
SS 6	X	▲				3-3-2			18	205.9			SAA except strong brown (7.5YR 5/6)	
SS 7	X	▲				2-4-5			14		15		SAND, silty, clayey (SC-SM)- Yellowish brown (10YR 5/6), damp, loose, fine grained	
SS 8	X	▲				7-12-13			15	196.9	20		SAA except reddish yellow (7.5YR 6/8), medium dense	
SS 9	X	▲				3-7-7			20		25		CLAY, sandy (CL)- Yellow (10YR 7/6), damp, stiff, low plasticity	
SS 10	X	▲				3-5-7			21	186.9	30		SAA	
SS 11	X	▲				4-7-8			14		35		SAND, silty (SM)- Yellow (2.5Y 7/6), damp, medium dense, fine to medium grained	
SS 12	X	▲				4-6-7			14	176.9	40		SAA	Water level depth at end of 01/04/2007 = Ground surface
SS 13	X	▲				5-5-8			12		45		SAND, silty, clayey (SC-SM)- Brownish yellow (10YR 6/6), damp, medium dense, fine to medium grained	
SS	X	▲				6-8-9			14				SAA except yellow (2.5Y 7/8), -HCL	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
Vogtle Units 3 & 4 COL Project  
Final Log

HOLE NO.  
B-1148

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1148
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		4-4-2	17		55		SAA except loose	
SS 16	▲		1-2-2	24		60		SAA except grayish brown (2.5Y 5/2)	
SS 17	▲		1-2-2	21		65		SAA except pale yellow (2.5Y 8/4), moist	
SS 18	▲		5-6-9	25	149.4	70		CLAY, silty (CL-ML)- Pale yellow (5Y 7/4), damp, stiff, medium plasticity, +HCL CLAY, silty (CL-ML)- Greenish gray (GLEYS 5/1), damp, stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 69.5 feet
SS 19	▲		10-12-15	26		75		SAA except contains shell fragments	
SS 20	▲		9-50/4"	12		80		SAA except dark greenish gray (GLEYS 4/1), hard	
SS 21	▲		5-50/4"	15		85		SAA	
SS 22	▲		5-23-50/6"	26		90		SAA	
SS 23	▲		40-50/6"	8		95		SAA except greenish grey (GLEYS 1 5/1), high plasticity, contains shell fragments and cemented layers	
SS 24	▲		27-19-33		118.9	100		SAA	
								Boring terminated at 100 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1148



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1150</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1145467.3 E 624235.3</b>		BEGUN <b>12/20/2006</b>		COMPLETED <b>12/21/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>170.7</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80				170.7				
SS 1	▲		8-3-2	15.5		170.2			<b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet
SS 2	▲		3-5-6	16					<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), dry, loose, fine grained, nonplastic SAA except dark reddish brown (5YR 3/4), medium dense SAA except yellowish red (5YR 5/6)	
SS 3	▲		10-10-4	12		165.2	5			
SS 4	▲		2-2-2	12					<b>SAND, with silt (SP-SM)</b> - Reddish yellow (5YR 6/8), moist, loose, fine grained, nonplastic SAA except yellowish red (5YR 5/8), damp	Installed 3" steel casing to a depth of 8.0 feet Water level depth at end of 12/20/06 = Top of casing Water level depth at beginning of 12/21/06 = 21.7 feet
SS 5	▲		2-3-5	13		160.2	10			
SS 6	▲		6-7-9	13		157.7			<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), moist, medium dense, fine grained, nonplastic	
SS 7	▲		5-5-5	13		153.7	15		<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), moist, loose, fine grained, low plasticity	
SS 8	▲		4-6-7	14		148.7	20		<b>SAND, silty (SM)</b> - Reddish yellow (5YR 7/8), wet, medium dense, fine grained, nonplastic	
SS 9	▲		2-2-2	25		144.2	25		<b>SILT (ML)</b> - Reddish yellow (5YR 6/8), moist, soft, low plasticity	
SS 10	▲		7-11-13	24			30		<b>SILT (ML)</b> - Gray (5YR 5/1), damp, very stiff, low plasticity, contains shell hash, +HCL	Top of Blue Bluff Marl at a depth of 26.5 feet
SS 11	▲		29-50/1.5"	12		133.7	35		SAA except hard	
SS 12	▲		50/3"	2			40		<b>*SILT, shell hashy (ML)</b> - Gray (5YR 5/1), moist to wet, hard, +HCL	
SS 13	▲		50/3"	2			45		SAA except greenish gray (GLEY1 5/1), damp	
SS	▲		8-30-50/2"	19		123.7			<b>SILT (ML)</b> - Greenish gray (GLEY1 5/1), damp, hard, low plasticity, contains shell hash,	

PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>	HOLE NO. <b>B-1150</b>
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GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1150
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					118.7			+HCL	
SS 15	×		▲ 30-50/1"	14		55		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 5/1), dry, hard, low plasticity, contains shell hash, +HCL	
SS 16	×		▲ 24-50/3.5"	15		60		SAA except greenish gray (5YR 6/1)	
SS 17	×		▲ 1-14-50/4"	24	108.7	65		<b>CLAY, with sand (CL)</b> - Greenish gray (GLEY1 5/1), damp, hard, medium plasticity, +HCL	
SS 18	×	▲	9-11-14	27		70		SAA except greenish gray (GLEY1 7/1)	
SS 19	×		▲ 11-50/5"	17	98.7	75		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 6/1), dry, hard, low plasticity, +HCL	
SS 20	×	▲	29-35-36	27	93.7	80		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEY1 6/1), damp, hard, low plasticity, +HCL	
SS 21	×	▲	9-15-14	26		85		SAA except very stiff	
SS 22	×		▲ 9-50/6"	15	83.7	90		<b>CLAY, with shell hash (CL)</b> - Light greenish gray (GLEY1 8/1), moist, hard, medium plasticity, +HCL	
SS 23	×	▲	11-14-20	21	79.2	95		<b>SAND, silty (SM)</b> - Dark greenish gray (GLEY1 4/1), moist, hard, fine grained, contains shell hash, nonplastic	Transitional zone between Blue Bluff Marl and Still Branch Formation
SS 24	×	▲	8-9-14	24	74.2	100		<b>SAND, clayey (SC)</b> - Very dark gray (5YR 3/1), damp, medium dense, fine grained, low plasticity, -HCL Boring terminated at 100 feet	Top of Still Branch Formation at a depth of 96.5 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1150



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1152</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1145581.7 E 625227.3</b>		BEGUN <b>1/2/2007</b>		COMPLETED <b>1/3/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>117.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						117.1					
						116.6			<b>CONCRETE</b>	Top of Concrete at a depth of 0.0 feet	
						114.1			<b>CRUSHED STONE</b>	Top of Crushed Stone at a depth of 0.5 feet	
							5			Top of Fill at a depth of 3.0 feet	
SS 1	×	▲		9-7-23	14	110.3			<b>SAND, silty, clayey (SC-SM)- Red (2.5YR 4/6), damp, dense</b>	Installed 3" steel casing to a depth of 10.0 feet	
SS 2	×		▲	48-50/4"	10				<b>CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/1), dry, hard, low plasticity, +HCL</b>	Top of Blue Bluff Marl at a depth of 6.8 feet	
SS 3	×			27-36-44	27				SAA		
SS 4	×	▲		14-11-19					SAA except stiff		
SS 5	×		▲	15-23-24	27				SAA except greenish grey (GLE Y1 6/1), hard		
SS 6	×	▲		9-13-14					SAA		
SS 7	×		▲	25-24-27					SAA		
SS 8	×	▲		7-25-17	27	85.1			<b>CLAY, silty, sandy (CL-ML)- Light greenish grey (GLE Y1 7/1), damp, hard, +HCL</b>		
SS 9	×	▲		8-17-11	27				SAA except very stiff		
SS 10	×		▲	45-23-20		75.1			<b>CLAY, silty (CL-ML)- Light greenish grey (GLE Y1 7/1), damp, hard, medium plasticity, +HCL</b>		
SS	×	▲		21-27-39	23	70.1			<b>SAND, silty (SM)- Greenish gray (GLE Y1 6/1), moist, very dense, fine to coarse grained,</b>		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1152**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1152				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
11												contains cemented fragments, +HCL		
SS 12	⊗			▲			29-32-33	19		55		SAA		
SS 13	⊗		▲				14-15-28	24		60		SAA except damp, dense, fine grained SAND, contains cemented layers		
SS 14	⊗					▲	20-37-50/6"	24		55.1				
SS 15	⊗			▲			7-14-32	21		50.1				
SS 16	⊗	▲					4-5-11	20		47.6		SAND, silty (SM)- Greenish gray (GLE Y1 6/I), damp, dense, contains shell fragments, +HCL		
SS 17	⊗	▲					6-6-13	24		45.1		SILT (ML)- Greenish gray (GLE Y1 5/I), moist, hard, +HCL	Top of Still Branch Formation at a depth of 72.0 feet	
SS 18	⊗			▲			7-13-33	24		75		SAND, silty (SM)- Very dark gray (2.5Y 3/1), moist, medium dense, fine to medium grained, -HCL		
SS 19	⊗		▲				9-14-21	21		80		SAA except damp, fine grained		
SS 20	⊗	▲					6-10-17	22		85		SAA except dense	Water level depth at end of 01/02/2007 = Ground surface	
SS 21	⊗			▲			11-22-27	23		30.1		SILT, sandy (ML)- Greenish gray (GLE Y1 5/I), damp, hard, fine grained SAND, -HCL	Water level depth at beginning of 01/03/2007 = 26.0 feet	
										25.1		SILT, with sand (ML)- Dark greenish gray (GLE Y1 4/I), damp, very stiff, low plasticity, fine grained SAND, -HCL		
										20.1		SILT, sandy (ML)- Dark greenish gray (GLE Y1 4/I), damp, hard, low plasticity, fine grained SAND, -HCL		
										17.1		Boring terminated at 100 feet		
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1152	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1153</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1145569.0 E 625673.5</b>		BEGUN <b>1/3/2007</b>		COMPLETED <b>1/4/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>103.6</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						103.6					
						103.0			<b>CONCRETE</b>	Top of Concrete at a depth of 0.0 feet Top of Crushed Stone at a depth of 0.6 feet Top of Fill at a depth of 2.5 feet Top of Blue Bluff Marl at a depth of 4.5 feet	
						101.1			<b>GRAVEL</b>		
						99.1			<b>FILL</b> - Brownish sand, no sample taken		
SS 1	×		▲	25-50/5"	15		5		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEY1 6/1), damp, hard, low plasticity, +HCL	Installed 3" steel casing to a depth of 10.0 feet	
SS 2	×			10-14-43	27		10		SAA		
SS 3	×		▲	0-40-50/2"	23		15		SAA		
SS 4	×	▲		5-6-9	24		20		SAA except stiff		
SS 5	×	▲		3-5-8	27		25		<b>CLAY, silty, sandy (CL-ML)</b> - Greenish gray (GLEY1 6/1), damp, stiff, low plasticity, +HCL		
SS 6	×		▲	7-25-17	27		30		SAA except hard		
SS 7	×		▲	11-20-50	27		35		SAA		
SS 8	×	▲		10-14-15	27		40		SAA except light greenish gray (GLEY1 8/1), very stiff, contains shell fragments		
SS 9	×		▲	0-41-50/4"	24		45		<b>*CLAY, sandy (CL)</b> - Light greenish gray (GLEY1 7/1), damp, very hard, low plasticity, fine grained, contains shell fragments and cemented nodules, +HCL		
SS 10	×		▲	22-26-22	22				SAA except greenish gray (GLEY1 6/1), hard		
SS	×	▲		22-13-17	26				<b>CLAY, silty, sandy (CL-ML)</b> - Dark greenish gray (GLEY1 4/1), damp, hard, low plasticity,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1153**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1153
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11					52.6			fine grained SAND, +HCL	Top of Still Branch Formation at a depth of 51.0 feet  Water level depth at beginning of 1/4/07 = 22.0 feet
SS 12	⊗	▲	9-14-20	22		55		SAND, silty (SM)- Very dark gray (2.5YR 3/N), damp, dense, fine grained, contains cemented fragments, -HCL	
SS 13	⊗	▲	28-43-33	18		60		SAA except very dark greenish gray (GLE Y1 3/1), moist, very dense, fine to medium grained	
SS 14	⊗	▲	13-22-32	23	41.6	65		SAND, silty, clayey (SC-SM)- Very dark gray (5Y 3/1), moist, very dense, fine grained, contains shell hash, -HCL	
SS 15	⊗	▲	5-7-11	24		70		SAA except dark grey (5Y 4/1), damp, very stiff, low plasticity, contains shells	
SS 16	⊗	▲	5-9-14	23		75		SAA except greenish gray (GLE Y1 5/1)	
SS 17	⊗	▲	4-4-8	23	26.6	80		SILT (ML)- Dark greenish gray (GLE Y1 4/1), damp, stiff, -HCL	
SS 18	⊗	▲	4-6-11	24	21.6	85		CLAY, silty (CL-ML)- Very dark greenish gray (GLE Y1 3/1), damp, very stiff, -HCL	
SS 19	⊗	▲	7-8-9		16.6	90		CLAY, silty, sandy (CL-ML)- Greenish gray (GLE Y1 5/1), damp, very stiff, fine to medium grained SAND, -HCL	
SS 20	⊗	▲	8-10-11	23		95		SAA	
SS 21	⊗	▲	5-10-11			100		SAA	
					3.6	100		Boring terminated at 100 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1153

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1154</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1145664.2 E 626216.1</b>		BEGUN <b>12/19/2006</b>		COMPLETED <b>12/20/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>98.8</b>	
GROUND EL. <b>95.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X	▲	9-17-18	17		95.1	0		<b>GRAVEL, silty (GM)</b> - Yellowish red (5YR 4/6), dry, dense, angular SAA except brown (7.5YR 4/2)	Top of Fill at a depth of 0.0 feet	
SS 2	X		21-26-22	18		91.8	5		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (5YR 6/8), dry, dense, fine grained, nonplastic		
SS 3	X	▲	8-16-19	15			10		SAA	Transition zone between Fill and Alluvium	
SS 4	X	▲	9-13-17	15			15		SAA		
SS 5	X	▲	9-11-12	14.5			20		SAA except reddish yellow (5YR 6/8) and yellowish red (5YR 4/6), medium dense	Top of Alluvium at a depth of 21.5 feet	
SS 6	X	▲	6-4-11	13		82.1	25		<b>GRAVEL (GP)</b> - Wet, dense, nonplastic		
SS 7	X	▲	17-10-17	7		78.6	30		<b>SAND, silty (SM)</b> - Brown (7.5YR 4/3), moist to wet, very loose, fine to medium grained, nonplastic	Installed 3" steel casing to a depth of 33.0 feet	
SS 8	X	▲	2-1-1	13		73.6	35		<b>SAND, with silt (SP-SM)</b> - Light brown (7.5YR 6/3), wet, loose, coarse grained, nonplastic		
SS 9	X	▲	3-4-4	15		68.1	40		<b>SAND (SP)</b> - Very pale brown (10YR 7/3), wet, medium dense, coarse grained, nonplastic		
SS 10	X	▲	4-5-6	13			45		SAA except loose, fine to coarse grained		
SS 11	X	▲	4-5-3	12			50		SAA		
SS 12	X	▲	3-3-3	12			55		SAA		
SS 13	X	▲	4-6-5	12		48.1	60		<b>SAND, silty (SM)</b> - Dark brown (7.5YR 3/2), moist, dense, fine grained, nonplastic		
SS	X	▲	8-15-17	20							

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1154**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1154
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	⊗	▲	8-11-15	20		55		SAA except brown (7.5YR 5/2), medium dense, very fine grained, -HCL	
SS 16	⊗	▲	8-10-17	21		60		SAA	
SS 17	⊗	▲	7-12-19	23	33.1	65		SILT, sandy (ML)- Brown (7.5YR 4/2), damp, hard, nonplastic, -HCL	
SS 18	⊗	▲	15-24-25	23		70		SAND, silty (SM)- Dark gray (10YR 4/1), moist, dense, fine grained, nonplastic, -HCL	Top of Still Branch Formation at a depth of 66.5 feet
SS 19	⊗	▲	7-9-12	23		75		SAA except gray (10YR 5/1), wet, medium dense	
SS 20	⊗	▲	4-7-8	24	18.1	80		SAND, clayey (SC)- Gray (7.5YR 5/1), moist, medium dense, fine grained, medium plasticity, contains 5.5" thick CLAY seam, -HCL	Water level depth at end of 12/19/06 = Top of casing Water level depth at beginning of 12/20/06 = 20.2 feet
SS 21	⊗	▲	9-14-21	22	13.1	85		SAND, silty (SM)- Gray (7.5YR 5/1), moist, dense, fine grained, nonplastic, contains 7" thick CLAY seam, -HCL	
SS 22	⊗	▲	7-14-26	20		90		SAA except moist to wet, contains no CLAY seam	
SS 23	⊗	▲	14-24-48	19.5		95		SAA except wet, very dense	
SS 24	⊗	▲	50/3"	5	-3.4 -3.7			SAND, with silt (SP-SM)- Gray (7.5YR 6/1), wet, very dense, medium to coarse grained, nonplastic, -HCL Boring terminated at 98.75 feet	Top of Congaree Formation at a depth of 96.5 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1154

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1155</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1147390.3 E 624936.4</b>		BEGUN <b>11/28/2006</b>		COMPLETED <b>12/6/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55 LC</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>85.0</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20   40   60   80				85.0				
SS 1	▲		1-1-2	12		84.0			<b>SILT (ML)</b> - Brown (7.5YR 4/3), damp, soft, fine-grained, low plasticity, contains small roots	Top of Alluvium at a depth of 0.0 feet
SS 2	▲		1-2-2	15					<b>*SAND, with gravel (SP)</b> - Yellowish brown (10YR 5/4), moist, very loose, medium to coarse grained, nonplastic	
SS 3	▲		6-6-3	15		79.5	5		SAA except dark yellowish brown (10YR 4/4), loose, rounded cobbles of quartz common, cobbles are 0.5"-1" in diameter	
SS 4	▲		1-1-1	11					<b>*SAND (SP)</b> - Light yellowish brown (10YR 6/4), wet, very loose	
SS 5	▲		1-1-1	13.5		75.2	10		SAA	
SS 6	▲	+	WOH/18"	15					<b>*CLAY, with sand (CL)</b> - Dark gray (7.5YR 4/1), wet, soft, low plasticity, slightly micaceous, fine grained	
SS 7	▲		WOH/18"	3.5			15		SAA	Water level depth at end of 11/28/2006 = Ground surface
SS 8	▲		2-4-4	12		68.0	20		<b>SAND (SP)</b> - Light brownish gray (10YR 6/2), wet, loose, coarse grained, nonplastic	Water level depth at beginning of 11/29/2006 = 7.5 feet
SS 9	▲		3-2-4	12		62.5			<b>SILT, with sand (ML)</b> - Dark gray (7.5YR 4/1), wet, medium stiff, nonplastic, fine grained, sub-angular cobbles of 1" diameter, contains organics	
SS 10	▲		3-3-3	11		60.4	25		<b>SAND (SP)</b> - Light brownish gray (10YR 6/2), wet, loose, fine to medium grained, nonplastic, slightly micaceous	
SS 11	▲	+	WOH/6"-1"	20		53.0	30		SAA except coarse grained	
SS 12	▲		1-2-2	11		48.5	35		<b>*SILT (MH)</b> - Very dark gray (7.5YR 3/1), damp, very soft, fine grained, medium plasticity, micaceous	
SS 13	▲		4-5-4	11.5		38.5	40		<b>SAND (SP)</b> - Grayish brown (10YR 5/2), wet, loose, fine to medium grained, nonplastic	
SS	▲						45		SAA except stiff, coarse grained	
SS	▲	○	4-9-11	22		36.0			<b>SAND, with clay (SP-SC)</b> - Dark gray (5YR 4/1), wet, medium dense, fine grained, slightly	Top of Still Branch Formation at a depth of 46.5 feet

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1155</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1155
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								micaceous	Water level depth at end of 11/29/2006 = Ground surface
SS 15	▲		7-8-11	22		55		*SAND (SP)- Dark gray (5YR 4/1), wet, medium dense, medium grained, nonplastic	Water level depth at beginning of 11/30/2006 = 8.5 feet
SS 16	▲		3-3-5	22	26.0	60		SAA	
SS 17	▲		6-6-8	20	23.5	65		SAA except loose	
SS 18	□ ○ ▲		16-20-16	17.5		70		*SAND, with clay (SP-SC)- Dark gray (5YR 4/1), wet, loose, fine grained, low plasticity	
SS 19	▲		5-4-12	22		75		*SAND, with clay (SP-SC)- Dark gray (5YR 4/1), wet, medium dense, fine grained, nonplastic	
SS 20	▲		50/6"	6		80		SAA except dense	Top of Congaree Formation at a depth of 76.5 feet
SS 21	□ ○ ▲		30-45-36	17.5		85		*SAND (SP)- Gray (5YR 5/1), wet, dense, fine to medium grained, nonplastic	
SS 22	▲		6-7-20	24		90		SAA	
SS 23	▲		52-47-50/6"	27		95		*CLAY (CH)- Gray (5YR 5/1), moist, very stiff, high plasticity	Water level depth at end of 11/30/2006 = Ground surface
SS 24	▲		8-16-20	27		100		*SAND, with clay (SP-SC)- Gray (5YR 5/1), wet, dense, fine to coarse grained, low to nonplasticity, and abundant quartz grains	Water level depth at beginning of 12/01/2006 = 5 feet
SS 25	□ ○ ▲		7-42-50/4"	27		105		SAA except contains traces of oxidized sands and a 4" clay seam	
						105		SAA except gray (5YR 6/1 -7/1)	Water level depth at end of 12/01/2006
						-22.1			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1155

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1155			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗				▲	20-40-50			110		*SAND (SP)- Gray (5YR 6/1), moist, dense, coarse grained, contains non-plastic silt, -HCL	=Top of Casing Water level depth at beginning of 12/04/2006 = Top of Casing	
SS 27	⊗				▲	18-34-37	27		115		SAA except dark grey (5YR 4/1), wet very dense, fine grained		
SS 28	⊗				▲	22-50/6"	14.5		120		SAA		
SS 29	⊗				▲	32-50/4"	14		125		SAA except dense		
SS 30	⊗			▲		17-21-26	26		130		SAA		
SS 31	⊗			▲		21-24-25	20		135		SAND, silty (SM)-Dark gray (5YR 4/1), wet, dense, fine to coarse grained, contains clayey sand seams of less than 2" in width	Water level depth at end of 12/04/2006 = Top of Casing  Water level depth at beginning of 12/05/2006 = 1.5 feet above ground surface	
SS 32	⊗				▲	21-37-31	22		140		SAND, with silt (SP-SM)- Gray (5YR 5/1), wet, very dense, coarse grained, nonplastic, slightly micaceous, abundant quartz grains		
SS 33	⊗				▲	46-50/2"	27		145		SAA except dark grey (5YR 4/1), medium to coarse grained		
SS 34	⊗	+ - +		▲		34-34-23	13		150		CLAY, with sand (CL)- Bluish gray (GLEYS 6/1), dry, hard, fine grained, medium plasticity Boring terminated at 150 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1155	

GEOTECHNICAL LOG			PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 1 OF 2	HOLE NO. B-1156		
LOGGED BY C. Gandy			COORDINATES N 1147302.5 E 624571.7			BEGUN 12/13/2006	COMPLETED 12/14/2006		
DRILLER White-MACTEC			DRILL MAKE AND MODEL CME-55 LC		HOLE DIAMETER 3 Inches	HAMMER SERIAL NUMBER 331145	TOTAL DEPTH 99.2		
GROUND EL. 85.7		DEPTH/EL. GROUND WATER ▽ / ▽ /	SITE: Vogtle Electric Generating Plant - Waynesboro, GA						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	▲		1-2-1	11	85.7				
SS 2	X		WOH/12"-1	12	84.7			SILT (ML) - Dark brown (7.5YR 3/2), dry, soft, low to non-plastic, contains small roots and organics	Top of Alluvium at a depth of 0.0 feet
SS 3	▲		1-2-1	10	82.2		5	SAND, with clay (SP-SC)- Yellowish brown (10YR 5/6), moist, very loose, fine grained, contains low plasticity clay	
SS 4	X	+ + +	WOH/18"	9	77.7			CLAY (CL) - Brown (7.5YR 4/3), damp, very soft, medium plasticity	
SS 5	X		WOH/12"-1	19	76.7			*CLAY (CH) - Brown (7.5YR 4/3), moist, soft, high plasticity	
SS 6	X	+ +	WOH/18"	17.5	72.7		10	SAA except brown (7.5YR 5/2), wet, very soft, contains organics	
SS 7	X		WOH/12"-1	17	72.7			CLAY, silty (CL-ML)- Brown (7.5YR 4/3), moist, very soft, low to medium plasticity, micaceous	
UD 1	■			24	68.0		15	*SILT (ML) - Dark gray (10YR 4/1), wet, very soft, non-plastic, organics comprise majority of sample	
SS 8	X	+ ⊖ +	2-2-1	18	63.7		20	SAA except moist, low plasticity, micaceous	
SS 9	X		1-2-1	14	59.2			SILT (ML)- Gray (10YR 5/T), wet, very soft, non to low plasticity	
SS 10	X		2-2-3	15	53.7		30	Pocket Penetrometer: 1.0 TSF	Top of Still Branch Formation at a depth of 26.5 feet
SS 11	X	▲	3-5-7	16	49.2		35	*CLAY, sandy (CH)- Yellowish brown (10YR 5/4), damp, soft, high plasticity	
UD 2	■			23	46.2		40	CLAY, silty with sand (CL)- Brownish yellow (10YR 6/6), damp, soft, medium plasticity	
UD 3	■			24	43.7		45	*SAND, with clay (SP-SC)- Gray (7.5YR 5/1), moist, loose, fine grained, contains low plasticity clay	
SS	X	+ ▲ +	8-7-23	21	38.7			SAND, clayey (SC)- Gray (7.5YR 5/1), wet, medium dense, fine grained, slightly micaceous	
								CLAY, sandy (CL)- Dark gray (7.5YR 4/1), damp, medium plasticity	
								SAND, silty (SM)- Dark gray (7.5YR 4/1), wet, medium grained, non-plastic	
								Pocket Penetrometer: 0.75 TSF	
								CLAY, sandy (CL)- Brown (7.5YR 5/3), moist, medium plasticity	
								SAND, clayey (SC)- Dark gray (5YR 4/1), moist, fine grained, contains low plasticity clay	Water level depth at end of 12/13/2006 = Ground surface
								Pocket Penetrometer: 0.5 TSF	
								CLAY, sandy (CL)- Gray (7.5YR 5/1), moist, very stiff, low plasticity	Water level depth at beginning of
PREPARED BY: A. TAYLOR			SITE Vogtle Units 3 & 4 COL Project			HOLE NO. B-1156			
REVIEWED BY: P. DEPREE			Final Log						



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1156
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
12					34.2				12/14/2006 = 4.2 feet
SS 13	☒	▲	13-11-16	23		55		*SAND, with silt (SP-SM)- Gray (7.5YR 5/1), wet, medium dense, fine grained, non-plastic	
SS 14	☒	▲	30-45-34	18		60		SAA except gray (10YR 5/1), very dense	
SS 15	☒	▲	11-17-21	22		65		SAA except dense, -HCL	
SS 16	☒		34-50/4"	12		70		*SAND, with silty clay (SP-SC)- Gray (7.5YR 5/1), wet, very dense, coarse grained, non-plastic, -HCL	Top of Congaree Formation at a depth of 66.5 feet
SS 17	☒	▲	22-33-32	16		75		SAA except contains traces of clay	
SS 18	☒		50/6"	7		80		*SAND, with silt (SP-SM)- Gray (7.5YR 6/1), wet, very dense, coarse grained, non-plastic, -HCL	
SS 19	☒		22-48-50/3.5"	18		85		SAND, silty (SM)- Gray (7.5YR 5/1), wet, very dense, fine grained, non-plastic, -HCL	
UD 4	■			15		90		SAND, clayey (SC)- Gray (7.5YR 5/1), wet, fine grained, low plasticity, -HCL CLAY, silty with sand (CL-ML)- Gray (5YR 5/1), damp, -HCL Pocket Penetrometer: 2.5 TSF	
SS 20	☒		40-34-50/5"	17		95		*SAND, silty, clayey (SC-SM)- Gray (5YR 5/1), wet, very dense, coarse grained, non-plasticity, contains abundant quartz grains	
SS 21	☒		38-50/2"	10		-13.5		SAA Boring terminated at 99.17 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1156



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1157</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1147209.6 E 625062.2</b>		BEGUN <b>12/6/2006</b>		COMPLETED <b>12/8/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>86.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				86.8					
SS 1	▲		1-2-3	10		86.0			<b>SILT, with clay (ML)</b> - Dark brown (7.5YR 3/4), damp, medium stiff, fine-grained, low plasticity, contains small roots	Top of Alluvium at a depth of 0.0 feet	
SS 2	▲		2-2-2	15							
SS 3	▲	○	2-2-2	14			5		<b>SAND (SP)</b> - Yellowish brown (10YR 5/6), damp, loose, medium to coarse grained, non-plastic		
SS 4	▲		2-2-2	10		78.8			SAA except yellowish brown (10YR 5/4) SAA except moist SAA except brownish yellow (10YR 6/6), wet, micaceous		
SS 5	▲		1-1-WOH/6"	17			10		<b>SILT (ML)</b> - Brown (7.5YR 4/2), wet, very soft, low plasticity, micaceous		
SS 6	▲	+	WOH/18"	26					SAA		
SS 7	▲		WOH/12"-1	21			15		SAA except medium plasticity		
SS 8	▲	+	WOH/12"-1	23.5		69.8			<b>*SILT (MH)</b> - Dark gray (7.5YR 4/1), moist, very soft, high plasticity, micaceous		
SS 9	▲		3-3-5	14		64.8			<b>SAND (SP)</b> - Very dark grayish brown (10YR 3/2), wet, loose, medium to coarse grained, contains abundant quartz fragments	Installed 3" steel casing to a depth of 23.0 feet	
SS 10	▲		4-5-4	9.5			25		SAA except grayish brown (10YR 5/2), coarse grained, quartz fragments larger than 0.5" are common		
SS 11	▲	+	3-2-3	18		55.3			<b>*CLAY (CH)</b> - Greenish gray (GLEYS 1 5/1), moist, soft, low plasticity, contains shell hash, +HCL	Top of Blue Bluff Marl (Reworked) at a depth of 31.5 feet	
SS 12	▲		4-3-5	15		49.8			<b>CLAY (CL)</b> - Greenish gray (GLEYS 1 6/1), damp, medium stiff, medium plasticity, contains minor gravel up to 1" diameter, +HCL		
SS 13	▲		6-6-7	27			40		SAA except stiff, low plasticity		
SS	▲	+	3-4-5	14		37.5			SAA except moist, medium plasticity	Top of Still Branch	
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE						SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1157</b>	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1157
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						34.8		SAND, with silt (SP-SM)- Gray (5YR 5/1), wet, loose, non-plastic, -HCL	Formation at a depth of 49.25 feet
SS 15	▲		3-4-6	19		55		SAND, clayey (SC)- Dark gray (7.5YR 4/1), damp to moist, loose, low plasticity, +HCL	Water level depth at end of 12/06/2006 = Top of casing
SS 16	▲ □ ○		5-8-7	18		60		SAA except -HCL	Water level depth at beginning of 12/07/2006 = 11.7 feet
SS 17	▲		3-4-5	19		65		SAND, with silt (SP-SM)- Gray (7.5YR 6/1), wet, loose, fine grained	
SS 18	▲		5-25-21	18.5		70		CLAY, with silt (CL)- Gray (7.5YR 5/1), moist, hard, medium plasticity	Top of Congaree Formation at a depth of 69.4 feet
SS 19	▲ □ ○		4-4-5	23		75		*SAND, with clay (SP-SC)- Gray (7.5YR 5/1), wet, loose, fine grained, low plasticity	
SS 20	▲		5-5-5	22		80		SAA except gray (7.5YR 6/1), low plasticity, -HCL	
SS 21	▲ □ ○		5-7-10	20.5		85		*SAND (SP) Gray (7.5YR 5/1), wet, medium dense, medium to coarse grained	
SS 22	▲		8-8-9	24		90		CLAY, silty with sand (CL-ML)- Gray (7.5YR 5/1), damp, very stiff, low plasticity, -HCL	
SS 23	▲		6-12-23	25		95		SAND, silty, clayey (SC-SM)- Gray (7.5YR 5/1), wet, dense, fine grained, non-plastic, -HCL	
SS 24	▲		5-26-28	25		100		SAA except very dense	
SS 25	▲ □ ○		6-23-22	24		105		SAA except contains minor lignite and 8" clay seam	
						-20.2			
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1157

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1157	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
		○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80									
SS 26	⊗	+ ▲ +	8-13-19	20		110		*CLAY, with sand (CL)- Light gray (10R 7/1), damp, hard, medium plasticity, -HCL	Water level depth at end of 12/07/2006 = Top of casing  Water level depth at beginning of 12/08/2006 = 11.5 feet		
SS 27	⊗	▲	3-13-28	16	-25.2	115		SAND, silty, clayey (SC-SM)- Light gray (10R 7/1), wet, dense, non-plastic, -HCL			
SS 28	⊗	▲	8-13-15	24		120		SAA except dark gray (7.5YR 4/1), medium dense, fine grained			
SS 29	⊗	▲	12-19-28	24	-35.2	125		SAND, silty (SM)- Dark gray (7.5YR 4/1), wet, dense, fine grained, non-plastic, -HCL			
SS 30	⊗		24-50/5"	10		130		SAA except very dense, fine to medium grained			
SS 31	⊗		15-34-50/5"	16		135		SAA except gray (7.5YR 6/1), medium grained, contains minor lignite and a 6" clay seam			
SS 32	⊗	▲	16-44-33	15	-55.2	140		SAA except medium to coarse grained			
SS 33	⊗	▲	17-19-18	20		145		CLAY, with sand (CL)- Dark gray (7.5 YR 4/1), moist, hard, medium plasticity, -HCL			
SS 34	⊗	▲	10-14-18	26	-63.2	150		SAA except bluish gray (GLEYS 6/1), dry, hard, fine grained, medium plasticity, -HCL Boring terminated at 150 feet			
					SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1157	

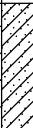








<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1158</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1145194.9 E 626669.1</b>		BEGUN <b>12/15/2006</b>		COMPLETED <b>12/18/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>149.5</b>	
GROUND EL. <b>88.7</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				88.7					
SS 1	▲		3-5-5	15		88.7			<b>SILT (ML)</b> - Yellowish red (5YR 4/6), dry, stiff, nonplastic, micaceous, contains organics SAA	Top of Alluvium at a depth of 0.0 feet	
SS 2	▲		4-6-6	14							
SS 3	▲		5-7-7	15			5		SAA except brown (7.5YR 4/3)	Installed 3" steel casing to a depth of 3.0 feet	
SS 4	▲		3-4-4	12					SAA except brown (7.5YR 4/4)		
SS 5	▲		1-2-2	15		80.7			<b>CLAY, silty (CL-ML)</b> - Brown (7.5YR 4/2), dry, soft, low plasticity, slightly micaceous		
SS 6	▲		WOH/12"-2	19.5		75.7			SAA except damp		
SS 7	▲		WOH/6"-2-1	18		71.7			<b>SILT, sandy (ML)</b> - Brown (7.5YR 4/2), damp, soft, nonplastic, micaceous		
SS 8	▲		3-2-4	10.5			20		<b>SAND (SP)</b> - Light brown (7.5YR 6/3), wet, loose, coarse grained, nonplastic		
SS 9	▲		3-4-4	12			25		SAA except medium grained		
SS 10	▲		4-2-3	10			30		SAA except medium to coarse grained		
SS 11	▲		3-4-3	9.5			35		SAA except coarse grained		
SS 12	▲		WOH/18"	21.5		51.7			<b>CLAY, silty (CL-ML)</b> - Very dark gray (7.5YR 3/1), damp, very soft, medium plasticity, slightly micaceous		
SS 13	▲		WOH/18"	23		46.7			<b>CLAY, silty with sand (CL-ML)</b> - Dark gray (7.5YR 4/1), moist, very soft, low plasticity, micaceous		
SS	▲		4-8-8	12		41.7			<b>GRAVEL, with sand (GP)</b> - Pale brown (10YR 6/3), wet, medium dense, nonplastic, contains cementation, +HCL		
						39.5					

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1158**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1158
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						37.2		<b>SAND, with silt (SP-SM)</b> - Brown (7.5YR 5/3), wet, medium dense, medium to coarse grained, nonplastic, -HCL	Top of Still Branch Formation at a depth of 51.5 feet	
SS 15	⊗	▲	5-8-11	18		55		<b>SILT (ML)</b> - Brown (7.5YR 4/2), moist, very stiff, low plasticity, micaceous, -HCL		
SS 16	⊗	▲	4-4-9	18		60		SAA except dark gray (7.5YR 4/1)		
						26.7				
SS 17	⊗	▲	18-28-32	16		65		<b>SAND, silty (SM)</b> - Gray (10YR 6/1), moist, very dense, fine grained, nonplastic, micaceous, -HCL	Water level at end of 12/15/2006 = Top of casing	
SS 18	⊗	▲	6-15-28	17		70		<b>SAND, clayey (SC)</b> - Dark gray (10YR 4/1), wet, dense, medium to coarse grained, low plasticity, -HCL		
SS 19	⊗	▲	16-26-50	18		75		<b>SAND, silty (SM)</b> - Dark gray (7.5YR 4/1), moist, very dense, fine grained, nonplastic, -HCL		
						11.7				
SS 20	⊗	▲	6-22-38	17		80		<b>SAND, with silt (SP-SM)</b> - Gray (10YR 5/1), moist, very dense, fine grained, nonplastic, -HCL	Top of Congaree Formation at a depth of 86.5 feet	
SS 21	⊗	▲	12-27-38	17		85		SAA		
						2.2		<b>CLAY, sandy (CL)</b> - Dark gray (2.5YR 4/1), damp, hard, medium plasticity, -HCL		
SS 22	⊗	▲	23-34-35	16		90		<b>SAND, silty (SM)</b> - Gray (7.5YR 5/1), wet, dense, coarse grained, nonplastic, -HCL		
						-3.3				
SS 23	⊗	▲	21-33-50	16		95		<b>SAND, with silt (SP-SM)</b> - Gray (7.5YR 5/1), wet, dense, medium grained, nonplastic, -HCL		
SS 24	⊗	▲	43-18-16	18		-10.7		SAA		
						-13.3		<b>CLAY, silty (CL-ML)</b> Dark gray (5YR 4/1), moist, hard, medium plasticity, -HCL		
SS 25	⊗	▲	WOH/6"-15-	623		-16.0		<b>CLAY, with sand (CL)</b> - Dark gray (5YR 4/1), moist, hard, medium plasticity, -HCL		
						-18.3		<b>SAND, silty (SM)</b> - Gray (7.5YR 5/1), moist, dense, fine grained, nonplastic, -HCL		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1158	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1158
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	6-15-33	25	-23.3	110		<b>SAND, clayey (SC)</b> - Gray (7.5YR 5/1), wet, dense, fine grained, low plasticity, -HCL	
SS 27	⊗	▲	12-27-30	27		115		<b>SAND, silty (SM)</b> - Light gray (7.5YR 7/1), wet, very dense, coarse grained, nonplastic, -HCL	
SS 28	⊗	▲	10-15-20	21		120		SAA except very pale brown (10YR 8/2), dense, fine grained, micaceous	
SS 29	⊗	▲	8-10-16	21.5		125		SAA except medium dense	
SS 30	⊗	▲	13-21-26	16.5		130		SAA except light gray (7.5YR 7/1), dense, coarse grained	
SS 31	⊗	▲	21-25-23	17		135		SAA except gray (10YR 6/1)	
SS 32	⊗	▲	13-21-30	18	-48.3	140		<b>SAND, silty with gravel (SM)</b> - Light gray (7.5YR 7/1), wet, dense, coarse grained, nonplastic, -HCL	
SS 33	⊗	▲	12-23-31	18.5	-53.3	145		<b>SAND, silty (SM)</b> - Dark gray (7.5YR 4/1), wet, dense, fine grained, nonplastic, -HCL	
SS 34	⊗	▲	22-50/6"	9.5	-60.8			SAA	
								Boring terminated at 149.5 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1158

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1159</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1147285.8 E 624954.5</b>		BEGUN <b>12/11/2006</b>		COMPLETED <b>12/13/2006</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>88.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	▲		WOH/6"-1-2	14		88.7			<b>SAND (SP)</b> - Dark yellowish brown (10YR 4/4), damp, very loose, medium grained SAA	Top of Alluvium at a depth of 0.0 feet	
SS 2	▲		1-1-2	14		86.0					
SS 3	▲	+ - - +	4-4-4	12			5	<b>*CLAY (CH)</b> - Dark reddish brown (5YR 3/3), damp, soft, high plasticity SAA except red (2.5YR 4/6), damp, medium stiff, micaceous			
SS 4	▲		4-4-6	12				SAA except brown (7.5YR 4/4), stiff			
SS 5	▲		2-3-3	11			10	SAA except medium stiff			
SS 6	▲	+ - - +	WOH/18"	16				SAA except gray (7.5YR 5/1), moist, very soft			
SS 7	▲		WOH/18"	22			15	SAA except dark gray (7.5YR 4/1)			
SS 8	▲		1-1-2	23		71.7		<b>*SILT (ML)</b> - Dark gray (2.5Y 4/1), moist, soft, low plasticity, micaceous			
SS 9	▲		1-1-1	25			20	SAA except wet			
SS 10	▲		3-4-4	9.5		61.7		<b>SAND (SP)</b> - Brown (10YR 5/3), wet, loose, medium to coarse grained, abundant quartz grains			
SS 11	▲		3-4-3	11			30	SAA except brownish yellow (10YR 6/6)	Top of Blue Bluff Marl at a depth of 36.5 feet		
SS 12	▲ □		9-6-5	12		52.2		<b>*LIMESTONE</b> - Greenish gray (GLEW 1 6/1), wet, medium dense, non to low plasticity			
SS 13	▲		3-3-4	18		47.2		<b>SAND, clayey (SC)</b> - Dark gray (7.5YR 4/1), wet, loose, fine grained, low plasticity, -HCL			
SS	▲ □		8-11-11	17			45	SAA except wet to moist, medium dense	Top of Still Branch Formation at a depth of 41.5 feet		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1159**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1159
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	⊗	▲	7-10-18	20		55		SAA except very dark gray (7.5YR 3/1), wet, medium grained	
SS 16	⊗	▲	5-6-7	21		60		*SAND, with clay (SP-SC)- Gray (7.5YR 5/1), moist, fine grained, medium plasticity, -HCL	
SS 17	⊗	▲	4-6-10	25		65		SAND, silty (SM)- Gray (7.5YR 5/1), wet, medium dense, fine grained, non-plastic, -HCL	
SS 18	⊗		▲37-50/5.5"	15		70		SAND (SP)- Gray (7.5YR 6/1), wet, very dense, coarse grained, non-plastic, contains abundant quartz fragments, -HCL	Top of Congaree Formation at a depth of 66.5 feet
SS 19	⊗		▲30-50/5.7"	16		75		*SAND, with clay (SP-SC)- Gray (7.5YR 5/1), wet, very dense, medium to coarse grained, non-plastic, contains abundant quartz fragments, -HCL	
SS 20	⊗	▲	9-11-17	15		80		SAA except medium dense, coarse grained	Water level depth at end of 12/11/2006 = Ground surface
SS 21	⊗		▲9-50/5.7"	13		85		SAA except very dense, medium to coarse grained	Water level depth at beginning of 12/12/2006 = 13.25 feet
SS 22	⊗	▲	38-38-22	15.5		90		SAA	
SS 23	⊗	▲	7-10-11	25		95		CLAY, with sand (CL)- Gray (7.5YR 5/1), damp, very stiff, medium plasticity, -HCL	
SS 24	⊗	▲	9-19-28	19		100		SAND, with silt (SP-SM)- Gray (7.5YR 5/1), wet, dense, fine grained, non-plastic, contains minor lignite, -HCL	
SS 25	⊗	▲	17-29-37	18		105		SAA except moist to wet, very dense, contains a 3" clay seam, slightly micaceous	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-1159



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1159
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗		▲ 32-50/3"	27	110		SAA except gray (7.5YR 6/1), wet		
SS 27	⊗		▲ 50/4"	5.5	115		SAA except fine to medium grained		
SS 28	⊗		▲ 24-50/5"	12.5	-28.3				
SS 29	⊗	▲	11-27-36	25	-33.3		<b>SAND, silty, clayey (SC-SM)</b> - Light gray to white (7.5YR 7/1 - 8/1), wet to moist, very dense, medium to coarse grained, low plasticity		
SS 30	⊗		▲ 2-20-50/5.9"	25			<b>SAND, silty (SM)</b> - Dark gray (10YR 4/1), wet, very dense, fine grained, non-plastic, -HCL		
SS 31	⊗		▲ 21-50/5"	10			SAA		
SS 32	⊗	▲	8-32-37	18	-48.3				
SS 33	⊗	▲	25-38-31	16	-50.5		<b>CLAY (CL)</b> - Dark gray (10YR 4/1), damp, hard, medium to high plasticity, -HCL		
SS 34	⊗	▲	20-35-36	15	-61.3		<b>SAND, silty (SM)</b> - Gray (7.5YR 5/1), wet, very dense, medium grained, non-plastic, micaceous, -HCL		
							SAA		
							SAA except gray (7.5YR 6/1), contains 1.5" clay seam, -HCL		
							Boring terminated at 150 feet		
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-1159	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1161</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1147363.4 E 624862.1</b>		BEGUN <b>12/7/2006</b>		COMPLETED <b>12/12/2006</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>86.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						86.1					
SS 1	▲		1-1-1	8		86.1			<b>CLAY, silty with sand (CL-ML)</b> - Dark yellowish brown (10YR 4/4), damp, very soft SAA except stiff	Top of Alluvium at a depth of 0.0 feet	
SS 2	▲		3-4-5	8		82.6					
SS 3	▲	+ + + +	3-3-3	15		80.1	5		<b>*SILT (MH)</b> - Brown (10YR 4/3), damp, medium stiff	End logging by S. Woodham.	
SS 4		+ +	WOH/18"	18					<b>*CLAY (CL)</b> - Brown (10YR 4/3), moist, very soft	Begin logging by A. Taylor.	
SS 5			WOH/18"	27			10		SAA		
SS 6	▲	+ +	1/18"	27					SAA except dark grayish brown (2.5Y 4/2)		
SS 7			WOH/18"				15		SAA except very dark grey (5Y 3/1)		
						69.1					
SS 8			WOH/18"	7			20		<b>SILT, with sand (ML)</b> - Very dark grey (5Y 3/1), damp, very soft	Changed from 3 7/8" to 2 7/8" drilling bit.	
						64.1					
SS 9	▲		2-3-4	15			25		<b>SAND (SP)</b> - Dark greyish brown (10YR 4/2), moist, loose		
SS 10	□		WOH/18"	18			30		SAA		
						54.1					
SS 11		+ + + +	WOH/18"	18			35		<b>SILT (MH)</b> - Very dark grey (5Y 3/1), moist, very soft, medium plastic		
SS 12		+ + + +	WOH/18"	18			40		SAA		
SS 13	▲		3-2-1	16			45		SAA	Water level depth at end of 12/07/2006 = Ground surface	
						39.3				Water level depth at beginning of 12/08/2006 = Ground surface	
SS	▲		5-5-6	11					<b>*SAND, with silt (SP-SM)</b> - Dark grey (5YR 4/1), damp, medium dense, -HCL	Top of Still Branch Formation at a depth of 46.8 feet	
PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1161</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1161
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		3-5-6	11		55		SAA except brown (10YR 4/3), subangular	
SS 16	▲		4-5-5	18		60		SAA except greenish grey (GLE Y2 5/10G)	
SS 17	▲		5-5-8	18		65		SAA	
SS 18	▲		7-9-9	18		70		SAA	
SS 19	▲		8-13-28	16	14.6	75		SAND (SP) - Dark grey (5YR 3/1), damp, dense, -HCL	Top of Congaree Formation at a depth of 71.5 feet
SS 20	▲		27-50/5"	18		80		SAA except very dense, contains 4" thick layer of high plasticity clay with sand, very dark greenish grey (GLE Y1 3/5GY), damp	
SS 21	▲		15-36-48	18		85		SAA	
SS 22	+▲		6-11-23	18	-0.9	90		CLAY, sandy (CH) - Very dark greenish grey (GLE Y1 3/5G), damp, hard, -HCL	
SS 23	▲		11-36-26	12	-5.9	95		SAND, with clay (SP-SC) - Dark grey (GLE Y1 4/N), damp, very dense, -HCL	
SS 24	▲		13-24-22	18	-10.9	100		SAND (SP) - Dark grey (GLE Y1 4/N), damp, dense, -HCL	
SS 25	▲		7-21-24	24	-15.9	105		CLAY, sandy (CH) - Very dark greenish grey (GLE Y1 3/5G), damp, hard, -HCL	
					-18.4			SAND (SP) - Dark grey (GLE Y1 4/N), damp, dense, -HCL	Water level depth at end of 12/08/2006 =
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-1161

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1161
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	5-24-50	12		110		SAA except greenish gray (GLE Y1 5/1), wet, very dense, medium to coarse	Ground surface End logging by A. Taylor. Begin logging by S. Woodham. Water level depth at beginning of 12/11/2006 = 2.0 feet
SS 27	⊗		50/5.5"	6		115		SAA	
SS 28	⊗		40-50/6"	15	-30.9	120		<b>SAND, silty (SM)</b> - Very dark greenish gray (GLE Y1 3/1), moist, very dense, fine grained, -HCL	
SS 29	⊗		36-50/4"	10		125		SAA except dark greenish gray (GLE Y 1 4/1)	
SS 30	⊗		20-50/6"	16		130		SAA except dark gray (5Y 4/1)	Water level depth at end of 12/11/2006 = Ground surface  Water level depth at beginning of 12/12/2006 = 4.0 feet
SS 31	⊗	▲	24-42-45	16		135		SAA except gray (GLE Y 1 5/N)	
SS 32	⊗	▲	20-24-35	18		140		SAA	
SS 33	⊗		9-50/5"	12	-55.9	145		<b>CLAY (CL)</b> - Very dark gray (GLE Y1 3/N), damp, very hard, contains sand seams 1/4" to 2" thick, -HCL	
SS 34	⊗	▲	18-22-25	19		150		SAA	Boring terminated at 150 feet
					SITE	Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-1161</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-1162</b>		
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1147234.9 E 624815.0</b>		BEGUN <b>12/12/2006</b>		COMPLETED <b>12/14/2006</b>				
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>200.0</b>		
GROUND EL. <b>85.6</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING			
		20 40 60 80			85.6							
SS 1	X	▲	1-2-3	8				*CLAY (CH)- Brown (7.5YR 4/4), damp, medium stiff, -HCL	Top of Alluvium at a depth of 0.0 feet			
SS 2	X	▲	4-4-4	12								
SS 3	X	+ - - +	WOH/18"	27		5		SAA except very soft	Direct Push			
SS 4	X	+ - +	WOH/18"	26	79.6			*SILT (MH)- Greenish gray (GLE Y1 5/1), damp, medium stiff, -HCL				
SS 5	X		WOH/18"	26			SAA					
SS 6	X		WOH/18"	25	75.1	10		SILT (ML)- Dark greenish gray (GLE Y1 4/1), damp, very soft				
UD 1	■	○		21.5		15						
SS 7	X		WOH/18"	26		20		SAA except greenish gray (GLE Y1 5/1)				
SS 8	X	▲	2-4-2	18	63.6	25		SAND, silty (SM)- Dark greenish gray (GLE Y1 4/1), moist, loose				
SS 9	X	▲	1-4-3	16	58.6	30		CLAY, sandy (CL)- Olive yellow (2.5Y 6/6), damp, medium stiff, contains white shells, +HCL				
SS 10	X	+ + ▲	20-40-21	16	53.6	35		CLAY (CL)- Yellow (5Y 8/6), damp, hard, contains white shell layers, +HCL				
SS 11	X	▲ - +	2-14-7	13	48.6	40		*CLAY, sandy (CL)- Greenish gray (GLE Y1 6/1), damp, very stiff, +HCL				
SS 12	X	▲	4-4-4	25	43.6	45		*SAND, with silt (SP-SM)- Greenish black (GLE Y1 2.5/1), damp, loose, -HCL				Top of Still Branch Formation at a depth of 42 feet
SS	X	□ ▲	4-5-27	22	36.1			SAA except very dark greenish gray (GLE Y1 3/1), dense				

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**


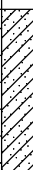






HOLE NO.  
**B-1162**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 4		HOLE NO. B-1162	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
13A								*SAND (SP)- Very dark greenish gray (GLE Y1 3/1), damp, dense, -HCL			
UD 2				17	31.1	55		SAA SAND, silty (SM)	Direct Push		
UD 3				21.5	26.1	60		SAND, clayey (SC)	Direct Push		
SS 14			10-8-14	22	23.6	65		SAND, silty, clayey (SC-SM)- Greenish gray (GLE Y2 5/1), moist, medium dense, fine grained, -HCL	Water level depth at beginning of 12/13/2006 = 4.5 feet		
SS 15			8-5-20	26	18.6	70		SAND, silty (SM)- Dark greenish gray (GLE Y1 4/1), moist, medium dense, fine to medium grained, contains a 2.5" thick clay layer, -HCL			
SS 16			12-18-16	20	13.6	75		*SAND, with silty clay (SP-SC)- Greenish gray (GLE Y1 4/1), moist, dense, fine grained, -HCL	Top of Congaree Formation at a depth of 76 feet		
SS 17			50/4"	9	9.6	80		SAND, silty (SM)- Greenish gray (GLE Y1 6/1), moist, very dense, fine to medium grained, -HCL			
SS 18			5-20-50/6"	19	85	85		SAA			
SS 19			12-50/6"	12	90	90		SAA			
SS 20			10-11-17	20	-6.5	95		*CLAY (CH)- Greenish gray (GLE Y 5/1), damp, very stiff, medium plasticity, contains 0.5"-1" thick sand layers, -HCL			
UD 4				27.5	100	100		SAA	Direct Push		
SS 21			11-14-28		105	105		SAA			
					-21.5						
					SITE Vogtle Units 3 & 4 COL Project					HOLE NO.	
					Final Log					B-1162	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-1162
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 22	⊗	▲	33-29-41	18	110		<b>SAND, clayey, silty (SC-SM)-</b> Greenish gray (GLEY1 6/1), damp, very dense, fine grained		
SS 23	⊗		8-42-50/5"		115		SAA		
UD 5				0	-31.5		<b>NO RECOVERY</b>	Direct Push	
UD 6	■			3	120		<b>NO RECOVERY</b>	Direct Push	
SS 24	⊗	▲	9-14-19	27	-41.5 -44.0 -44.8 -45.0		<b>SAND, silty, clayey (SC-SM)-</b> Very dark greenish gray (GLEY1 3/1), moist, dense, fine to medium grained <b>CLAY (CH)-</b> Very dark gray (GLEY1 3/N), damp, hard, high plasticity, -HCL <b>LIGNITE</b>		
SS 25	⊗	▲	13-34-39	20	130		<b>SAND, silty (SM)-</b> Dark gray (GLEY1 4/N), moist, very dense, fine to medium grained, contains 0.5-2" thick clay layers, -HCL		
SS 26	⊗	□	37-37-31	18	135		SAA except fine to coarse grained		
SS 27	⊗	▲	10-18-37	22	140		SAA except contains more clay layers		
SS 28	⊗	▲	13-21-31	22	-61.5		<b>SAND, clayey (SC)-</b> Light bluish gray (GLEY2 8/1), damp, hard, fine to medium grained, high plasticity, -HCL		
SS 29	⊗	▲	8-7-12	19	150 155 160		SAA		
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-1162	

Water level depth at end of 12/13/2006 = Ground surface

Water level depth at

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-1162
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
UD 7		○ + - - - +		27		165		SAA	beginning of 12/14/2006 = 4 feet
SS 30		▲	12-22-26	27	-93.3	170		SAND, clayey (SC) - Light bluish gray (GLEY2 8/1), damp, hard, coarse grained, high plasticity, -HCL	Direct Push
SS 31		+ - - +	22-31-50/5"	27	-101.5	175		CLAY (CH) - White (GLEY1 8/N) with red and yellow staining, damp, hard, high plasticity, -HCL	Top of Snapp Formation at a depth of 178.8 feet
SS 32		▲	12-21-31		-111.5 -114.5	180 190 195 200		SAND, clayey (SC) - White (GLEY1 8/N), damp, very dense, fine to medium grained, high plasticity, -HCL Boring terminated at 200 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1162



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1163</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1147170.6 E 624938.8</b>				BEGUN <b>12/5/2006</b>		COMPLETED <b>12/6/2006</b>	
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>86.0</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80				86.0				
SS 1	▲	+ - - - +	2-1-2	8					*SILT (MH)- Brown (7.5YR 4/4), damp, soft	Top of Alluvium at a depth of 0.0 feet
SS 2	▲		4-5-6	11				SAA except stiff		
SS 3	▲	+ - - - +	4-5-5	8				SAA		
SS 4	▲		▲ WOH/18"			80.5	5		SILT, with sand (ML)- Greenish gray (GLE Y 5/1), moist, very soft	
SS 5	▲		▲ WOH/18"			78.0			CLAY, silty (CL-ML)- Gray (GLE Y 1), very soft	
SS 6	▲		▲ WOH/18"			75.5	10		SILT, with sand (ML)- Gray (GLE Y 1 4/1), very soft	
SS 7	▲		2-2-2				15		SAA except soft	
SS 8	▲		1-1-1	8		69.0			SILT, sandy (ML)- Dark greenish gray (GLE Y 4/1), moist, very soft	
SS 9	▲		2-4-7	15		65.0	20		CLAY, sandy (CL)- Light yellowish brown (2.5Y 6/3), moist, medium stiff	
SS 10	▲	+ - - - +	3-3-3	15		59.0	25		*CLAY (CH)- Pale olive (5Y 6/3) damp, medium stiff	
SS 11	▲	+ - - - +	3-3-6	24		54.0	30		*CLAY, sandy (CH)- Greenish gray (GLE Y 1 5/1), damp, stiff, +HCL	Top of Blue Bluff Marl at a depth of 32.0 feet
SS 12	▲	+ - - - +	6-6-6	11		49.0	35		*CLAY, with sand (CH)- Greenish gray (GLE Y 1 6/1), damp, stiff, +HCL	
SS 13	▲		2-4-6	24			40		SAA except contains shell fragments	
SS	▲		6-12-19	19		39.0	45		SILT, with sand (ML)- Greenish gray (GLE Y 1 5/1), damp, hard, +HCL	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1163</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1163
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						33.5			
SS 15	▲		2-2-9	24		55		*SAND (SP) - Dark gray (GLE Y1 4/1) to greenish gray (GLE Y1 6/1), wet, medium dense, -HCL	Top of Still Branch Formation at a depth of 52.5 feet
SS 16	▲		5-7-13	17		60		SAA	
SS 17	▲		3-4-7	15		65		SAA except greenish gray (GLE Y1 5/1)	
SS 18	▲		5-5-6	0		70		NO RECOVERY	
SS 19	□		4-40-50/4"	20		75		SAND, with silt (SP-SM)- Dark greenish gray (GLE Y1 4/1), wet, very dense, -HCL	Top of Congaree Formation at a depth of 73.0 feet Water level depth at beginning of 12/06/2006 = 7.0 feet
SS 20	▲		3-3-6	25		80		SAND, silty (SM)- Dark greenish gray (GLE Y1 4/1), wet, loose, -HCL	
SS 21	▲		10-15-40	21		85		SAND, with silt (SP-SM)- Greenish gray (GLE Y1 5/1), moist, very dense, medium to coarse grained, -HCL	
SS 22	▲		6-8-12	25		90		*CLAY (CH)- Dark greenish gray (GLE Y1 4/1), damp, very stiff, high plasticity, -HCL	
SS 23	▲		6-9-18	22		95		SILT, with sand (ML)- Dark greenish gray (GLE Y1 4/1), damp, very stiff, -HCL	
SS 24	▲		12-22-50	21		100		SAND, silty (SM)- Grayish green (GLE Y1 4/2), wet, very dense, fine to medium grained, -HCL	
SS 25	▲		50/5"	5		105		SAND, with silt (SP-SM)- Light greenish gray (GLE Y1 8/1), moist, very dense, medium to coarse grained, -HCL	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1163

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1163
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	29-29-40	15		110		SAA		
SS 27	⊗	▲	10-18-18	21		115		SAND, silty (SM)- Very dark gray (GLEY1 3/), moist, dense, fine to medium grained, -HCL		
SS 28	⊗	▲	10-15-25	21		120		SAA		
SS 29	⊗	▲	20-32-50/5"	16		125		SAA except very dark greenish gray (GLEY1 2.5/2), very dense		
SS 30	⊗	▲	11-17-34	26		130		SAA		
SS 31	⊗	▲	12-40-50/5"	16		135		SAA except light gray (GLEY1 7/ )		
SS 32	⊗	▲	50/6"	5		140		SAND, with silt (SP-SM)- Greenish gray (GLEY1 5/1), moist, very dense, medium to coarse grained, -HCL		
SS 33	⊗	▲	22-16-50/5"	23		145		CLAY, with sand (CL)- Dark gray (GLEY1 4/5 ), damp, hard, fine to coarse grained SAND, -HCL		
SS 34	⊗	▲	11-16-22	26		150		CLAY, sandy (CL)- Light gray (GLEY1 7/ ), damp, hard, -HCL		
								Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1163	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-1164</b>
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1146994.8 E 624518.6</b>		BEGUN <b>1/11/2007</b>		COMPLETED <b>1/17/2007</b>
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>
GROUND EL. <b>220.1</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>				

SAMP. TYPE AND NO.	SAMPLE	N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80			220.1				
SS 1	▲		1-1-2	19				<b>SAND, with silt (SP-SM)-</b> Dark yellowish brown (10YR 4/4), dry, very loose, very fine grained, nonplastic, contains organics SAA except strong brown (7.5YR 5/6)	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		1-1-2	18				SAA except yellowish red (5YR 5/6), damp, loose	
SS 3	▲		1-2-3	18		5		SAA except yellowish red (5YR 4/6), very fine grained	
SS 4	▲		3-4-5	18				SAA except medium dense	
SS 5	▲		6-6-12	12		10		SAA except red (2.5YR 4/6)	
SS 6	▲		3-5-13	15	207.1				
SS 7	▲		17-23-27	14	203.1	15		<b>SILT, with sand (ML)-</b> Red (2.5YR 4/6), damp, hard, low plasticity, very fine grained	
SS 8	▲		7-9-11	18		20		<b>*SAND, with clay (SP-SC)-</b> Red (2.5YR 4/6), damp, medium dense, fine grained, nonplastic	Direct Push  Water level depth at end of 1/11/07 = Ground surface  Water level depth at beginning of 1/12/07 = Borehole dry
SS 9	▲		8-18-21	16		25		SAA except strong brown (5YR 5/6), wet, dense, very fine grained	
UD 1	○ +			18		30		SAA Pocket Penetrometer: 0.2 TSF, 0.0 TSF, 0.1 TSF	
SS 10	▲		2-2-3	18	188.1	35		<b>*SAND, clayey (SC)-</b> Yellow (2.5Y 7/6), moist, medium stiff, medium plasticity, low toughness, -HCL	
UD 2	○ +			25		40		SAA Pocket Penetrometer: 1.8 TSF, 1.5 TSF, 1.5 TSF	Direct Push
SS 11	▲		1-4-8	18	178.1	45		<b>CLAY, with sand (CL)-</b> Brownish yellow (10YR 6/6), stiff, low plasticity, fine to medium grained, -HCL	
SS	▲		9-9-9	12	173.1			<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6), moist, medium dense, fine grained,	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1164**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1164					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
12								168.1			nonplastic, -HCL		
SS 13	▲				2-2-3	17		55			<b>SILT, with sand (ML)</b> - Yellow (10YR 7/6), moist, medium stiff, low plasticity, fine to medium grained, -HCL		
SS 14	▲				8-12-17	18		60			<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5YR 7/4), wet, medium dense, fine to medium grained (mostly subrounded), nonplastic		
SS 15					50/1"	1		65			<b>*SHELL HASH, with clay (GP-GC)</b> - Yellow (10YR 7/6), wet, very dense, contains cemented fragments, +HCL	Top of Utley Limestone at a depth of 62.5 feet	
SS 16					50/4"	5		70			<b>CLAY (CL)</b> - Bluish gray (GLE <sub>Y</sub> 2 5/10B), moist, hard, low plasticity, contains angular/cemented nodules, +HCL	Top of Blue Bluff Marl at a depth of 68.5 feet Water level depth at end of 1/12/07 = Ground surface	
UD 3 SS 17	○				15-13-50/3"	15 19		75			SAA except greenish gray (GLE <sub>Y</sub> 1 5/10GY) Pocket Penetrometer: 3.5 TSF, 2.5 TSF, >4.5 TSF	Pitcher Water level depth at beginning of 1/16/07 = 37.0 feet	
SS 18	▲				9-9-8	6		80			<b>*SAND, silty with cemented fragments (SM)</b> - Brownish yellow (10YR 6/6), wet, medium dense, fine grained, nonplastic, +HCL		
SS 19	▲				15-9-7	18		85			<b>CLAY (CL)</b> - Greenish gray (GLE <sub>Y</sub> 1 5/5G), moist, stiff, low plasticity, +HCL		
SS 20	▲				14-14-15	18		90			SAA except very stiff		
SS 21					6-9-50/3"	18		95			SAA except hard, nonplastic		
UD 4	○ + □					9		100			<b>*SILT, with sand (MH)</b> - Greenish gray (GLE <sub>Y</sub> 1 5/5G), moist, hard, high plasticity Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Water level depth at end of 1/16/07 = Ground surface Pitcher Water level depth at beginning of 1/17/07 = 42.0 feet	
UD 5	○					11		105			SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1164	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1164
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 22	⊗	▲	14-19-40	18		110		SAA and medium toughness	
SS 23	⊗		▲ 24-50/2"	12		115		SAA except greenish gray (GLE Y1 6/5GY)	
SS 24	⊗		▲ 13-50/1.5	8		120		SAA	
SS 25	⊗	▲	19-30-47	19		125		SAA	
SS 26	⊗	▲	8-10-12	18		130		SAA except very stiff	
SS 27	⊗	▲	7-9-13	18		135		SAA and contains trace of shell hash and fossils	
SS 28	⊗	▲	4-5-8	5		140		SAND, with clay (SP-SC)- Very dark greenish gray (GLE Y1 3/10Y), wet, medium dense, fine grained, nonplastic, weak +HCL	Top of Still Branch Formation at a depth of 136.75 feet
SS 29	⊗	▲	8-9-15	10		145		SAA except dark greenish gray (GLE Y1 4/5GY), very fine grained, -HCL	
SS 30	⊗	▲	19-15-24	18		150		SAA except dense	
						70.1		Boring terminated at 150 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-1164



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1166</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1147453.0 E 623961.6</b>				BEGUN <b>12/15/2006</b>		COMPLETED <b>1/11/2007</b>	
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>203.4</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				203.4					
SS 1	▲		0-1-1	18		197.9	5		<b>SAND, silty, clayey (SC-SM)-</b> Reddish brown (5YR 4/4), damp, very loose, presence of roots	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		2-3-5	18				SAA except yellowish red, loose			
SS 3	▲		5-6-6	19				SAA except medium dense			
SS 4	▲		5-5-6	17					<b>SAND, silty (SM)-</b> Yellowish red (5YR 5/8), damp, medium dense, fine grained		
SS 5	▲		4-42-8	14			10		SAA		
SS 6	▲		5-7-7	14					SAA		
SS 7	▲		7-13-17	14			15		SAA except contains some lighter colored material, dense		
SS 8	▲		12-14-17	16		181.4	20		SAA except red (2.5YR 4/8) and yellowish brown (10YR 5/8)		
SS 9	▲		7-8-10	16			25		<b>SAND, silty, clayey (SC-SM)-</b> Light yellowish brown (2.5Y 6/4), damp, medium dense		
SS 10	▲		6-6-8	18		171.4	30		SAA		
SS 11	▲		6-5-8	15			35		<b>SAND, clayey (SC)-</b> Light yellowish brown (2.5YR 6/3), damp, medium dense, low plasticity, fine grained		
SS 12	▲		5-7-9	14		161.4	40		SAA except contains traces of SILT		
SS 13	▲		6-8-10	9		156.4	45		<b>SAND, silty (SM)-</b> Light yellowish brown (10YR 6/4), damp, medium dense, fine to medium grained		
SS	▲		2-3-4	27					<b>SAND, silty, clayey (SC-SM)-</b> Dark yellowish brown (10YR 4/6), damp, loose, fine	Loss of circulation at a depth of 48.5 feet	
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE						SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1166</b>	

**Final Log**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1166
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14								grained, -HCL		
SS 15	▲		2-5-10	18		55		SAA except yellowish brown (10YR 5/6), medium dense		
SS 16	▲		4-5-8	17		60		SAA except light olive brown (2.5YR 5/4)		
SS 17	▲		5-7-19	26	141.4	65		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEY1 5/1), damp, very stiff, low plasticity, +HCL	End logging by S. Woodham. Begin logging by R. Clark. Top of Blue Bluff Marl at a depth of 62.0 feet	
SS 18	▲		12-50/6"	14		70		SAA except hard		
SS 19	▲		50/2"	1	131.4	75		<b>*CLAY, with shell hash (CL)</b> - Greenish gray (GLEY1 6/10GY), moist, hard, low plasticity, +HCL	Water level depth at beginning of 01/11/2007 = 55.0 feet	
SS 20	▲		13-21-28	21	126.4	80		<b>SILT (ML)</b> - Greenish gray (GLEY1 6/10GY), moist, hard, low plasticity, +HCL		
SS 21	▲		19-22-50/3"	22		85		SAA except low toughness		
SS 22	▲		14-14-16	19		90		SAA except medium toughness		
SS 23	▲		8-10-12	20		95		SAA except very stiff		
SS 24	▲		11-12-13	20	103.4	100		SAA except stiff		
								Boring terminated at 100 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1166



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1168</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1147688.5 E 623467.8</b>		BEGUN <b>1/23/2007</b>		COMPLETED <b>1/25/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>202.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						202.2					
SS 1	▲		2-3-2	17		200.7			<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/6), moist, loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		4-3-3	13				<b>SAND (SP)-</b> Yellowish brown (10YR 5/6), moist, loose, fine grained			
SS 3	▲		4-3-3	18				SAA except pale yellow (2.5Y 8/4) to brownish yellow (10YR 6/6)			
SS 4	▲		6-12-22	18		195.4	5		SAA except brownish yellow (10YR 6/6), medium dense to dense, fine to medium grained		
SS 5	▲		15-17-21	14.5			10	<b>SAND, clayey (SC)-</b> Mottled yellowish brown (10YR 5/8) to red (2.5YR 4/8), moist, dense, fine grained			
SS 6	▲		12-15-22	12.5				SAA			
SS 7	▲		15-17-21	15.5			15		SAA except yellowish red (5YR 5/8)	Water level depth at end of 1/23/07 = Ground surface	
SS 8	▲		11-12-12	14		185.2		<b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/8), damp, medium dense, medium grained, nonplastic			
SS 9	▲		11-12-17	15		180.2		<b>SAND, clayey (SC)-</b> Reddish yellow (7.5YR 6/8), damp, medium dense, fine to medium grained, low plasticity			
SS 10	▲		6-6-8	15			25		SAA except strong brown (7.5YR 5/8)	End logging by B. Sharp. Begin logging by D. Brooks.	
SS 11	▲		5-7-7	13		170.2		<b>SAND, with silt (SP-SM)-</b> Strong brown (7.5YR 5/6), wet, medium dense, fine to medium grained			
SS 12	▲		7-10-12	15			30	SAA			
SS 13	▲		10-13-18	16			35		SAA except reddish yellow (7.5YR 6/8), dense, medium to coarse grained		
SS	▲		8-11-12	13			40		SAA except strong brown (7.5YR 5/6), medium dense, fine grained, nonplastic, -HCL		
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE						SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1168</b>	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1168
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		9-11-11	14		55		SAA except brown (7.5YR 4/4), damp	
SS 16	▲		11-12-19	18	145.2	60		SILT (ML) - Greenish gray (GLEY1 5/10GY), damp, hard, nonplastic, +HCL	Top of Blue Bluff Marl at a depth of 57.0 feet
SS 17	▲		6-26-50/3"	20	135.2	65		SAA	
SS 18	▲		50/2"	0	131.2	70		NO RECOVERY	
SS 19	▲		17-24-34	20		75		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), damp, hard, low plasticity, +HCL	
SS 20	▲		50/3"	7		80		SAA	
SS 21	▲		16-20-50/5"	18		85		SAA	
SS 22	▲		11-10-16	20		90		SAA	Water level depth at end of 1/24/07 = Ground surface
SS 23	▲		22-33-29	20		95		SAA except greenish gray (GLEY1 6/10Y)	Water level depth at beginning of 1/25/07 = 39.0 feet
SS 24	▲		16-17-16	21	102.2	100		SAA	
								Boring terminated at 100 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1168

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1170</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1147423.9 E 622953.7</b>				BEGUN <b>1/17/2007</b>		COMPLETED <b>1/19/2007</b>	
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>98.9</b>	
GROUND EL. <b>223.3</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							223.3				
SS 1	▲		2-1-2			14				<b>SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/4 to 5/6), damp, very loose, fine to medium grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		2-1-2			16				SAA except yellowish brown (10YR 5/8)	
SS 3	▲		1-2-2			19				SAA	
SS 4	▲		3-3-4			24	217.8	5		<b>SAND (SP)</b> - Brownish yellow (10YR 6/6), wet, loose, medium grained, sub-rounded	
SS 5	▲		5-5-8			24		10		SAA except medium to coarse grained	
SS 6	▲		6-5-7			20	211.8			SAA except reddish yellow (7.5YR 7/6)	
SS 7	▲		7-9-14			27		15		<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp, medium dense, medium grained, rounded	
										SAA except red (2.5YR 5/8)	
SS 8	▲		13-13-17			27		20		SAA except yellowish red (5YR 5/8), fine to medium grained	
SS 9	▲		13-17-24			23		25		SAA	
							196.3				Water level depth at end of 1/17/07 = Ground surface End logging by R. Herrera. Begin logging by R. Clark. Water level depth at beginning of 1/18/07 = Borehole dry
SS 10	▲		10-14-24			18	193.8 193.5	30		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 7/8), moist, dense, medium to coarse grained, nonplastic	
										<b>CLAY, with sand (CH)</b> - Reddish yellow (7.5YR 7/6), moist, very stiff, high plasticity	
SS 11	▲		8-10-14			18		35		<b>SAND, with clay (SP-SC)</b> - Reddish yellow (7.5YR 7/8), moist, dense, fine grained, nonplastic	
										SAA except yellow (10YR 7/8), medium dense, very fine grained	
SS 12	▲		10-8-10			17		40		SAA except yellow (10YR 9/6), and -HCL	
							181.3				
SS 13	▲		5-5-9			18		45		<b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/6), moist, stiff, low plasticity, very fine grained SAND, -HCL	
SS	▲		5-5-7			18				SAA except yellow (10YR 7/6) and low toughness	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1170**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1170
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					171.3				Water level depth at beginning of 1/19/07 = 21.5 feet End logging by R. Clark. Begin logging by M. Herrera.	
SS 15	▲		8-6-9	12		55		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), damp, medium dense, medium to coarse grained, -HCL		
SS 16	▲		6-6-11	13		60		<b>CLAY, sandy (CL)</b> - Light red (10R 6/6) and very pale brown (10YR 7/4), moist, very stiff, medium plasticity, medium grained SAND, -HCL		
SS 17	▲		3-4-5	2		65		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/3), moist, loose, fine to medium grained, medium plasticity CLAY, -HCL		
SS 18	▲		12-12-14	14		70		<b>SAND, silty (SM)</b> - Yellow (10YR 7/6), moist, medium dense, fine grained, contains trace black sand, -HCL		
SS 19	▲		10-13-17	9		75		<b>SAND, with silt (SP-SM)</b> - Light yellowish brown (10YR 6/4), wet, medium dense, coarse grained, sub-rounded, -HCL		
SS 20	▲		12-12-14	13		80		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, medium dense, medium grained, -HCL		
SS 21	▲		6-6-9	21		85		<b>SILT (ML)</b> - Dark yellowish brown (10YR 4/6), moist, stiff, low plasticity, contains some fine grained SAND, -HCL		
SS 22	▲		13-15-15	13		90		<b>SAND, silty (SM)</b> - Brown (7.5YR 5/4), moist, medium dense, fine grained, rounded, -HCL		
SS 23	▲		4-6-10	23		95		<b>CLAY, silty with sand (CL-ML)</b> - Yellow (10YR 7/6) and pale yellow (2.5Y 7/4), damp, very stiff, medium plasticity, contains fine grained SAND, -HCL		
SS 24			50/.5"	0				<b>NO RECOVERY</b> Boring terminated at 98.92 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1170



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-1172</b>
LOGGED BY <b>D. Brooks</b>			COORDINATES <b>N 1146983.4 E 622538.7</b>			BEGUN <b>1/25/2007</b>		COMPLETED <b>1/26/2007</b>
DRILLER <b>Skoglund-MACTEC</b>			DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>100.0</b>
GROUND EL. <b>249.5</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					249.5				
SS 1	▲		1-1-2	12						<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), damp, very loose, fine grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		3-3-6	12						SAA except reddish yellow (7.5YR 6/8), loose	
SS 3	▲		2-2-2	18			5			SAA	
SS 4	▲		3-4-5	13						SAA except medium to coarse grained	
SS 5	▲		4-5-7	15			10			SAA except strong brown (7.5YR 5/8), medium dense, medium grained	
SS 6	▲		6-11-15	19						SAA	
SS 7	▲		6-20-29	20			15			<b>SAND (SP)</b> Reddish yellow (7.5YR 6/8), damp, dense, coarse grained, nonplastic	
SS 8	▲		7-9-12	12			20			<b>SAND, with clay (SP-SC)-</b> Yellowish red (5YR 5/8), damp, medium dense, medium grained, low plasticity	
SS 9	▲		6-7-9	17			25			<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 5/8), damp, medium dense, fine to medium grained, nonplastic	
SS 10	▲		6-9-12	16			30			SAA	
SS 11	▲		8-9-9	14			35			SAA except reddish yellow (7.5YR 6/8), fine grained, -HCL	
SS 12	▲		5-5-6	13			40			SAA except yellowish red (5YR 5/8)	
SS 13	▲		7-7-10	16			45			<b>SAND, with clay (SP-SC)</b> Yellowish red (5YR 5/8), damp, medium dense, fine to medium grained, low plasticity, -HCL	
SS	▲		7-7-10	15						SAA except brownish yellow (10YR 6/8)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1172
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14										
SS 15	▲		4-5-6	18		55		SAA except medium to coarse grained		
SS 16	▲		4-4-9	19		60		SAA except yellow (10YR 7/6), fine grained		
SS 17	▲		6-5-7	20		65		SAA		
SS 18	▲		3-3-4	21		70		CLAY, sandy (CL)- Yellow (10YR 7/6), damp, stiff, low plasticity, fine grained SAND, -HCL		
SS 19	▲		3-4-4	20		75		SAA		
SS 20	▲		3-3-3	20		80		*CLAY, silty (CL-ML)- Yellowish brown (10YR 5/8), damp, medium stiff, low plasticity, contains shell hash, -HCL		
SS 21	▲		3-4-3	22		85		CLAY, sandy (CL)- Reddish yellow (7.5YR 6/6), damp, medium stiff, low plasticity, fine to medium grained SAND, -HCL		
SS 22	▲		4-3-5	0		90		NO RECOVERY		
SS 23	▲		5-5-6	16		95		SAA except stiff		
SS 24	▲		5-6-7	18		100		SAA		
								Boring terminated at 100 feet		
					SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1172

Water level depth at end of 1/25/07 = Ground surface

Water level depth at beginning of 1/26/07 = 68.75 feet



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1174</b>	
LOGGED BY <b>D. Brooks/C. Gandy</b>				COORDINATES <b>N 1146476.1 E 622228.1</b>		BEGUN <b>1/26/2007</b>		COMPLETED <b>2/9/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>100.0</b>	
GROUND EL. <b>225.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				225.8					
SS 1	X	▲		5-6-8	18				<b>SAND, with silty clay (SP-SC)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine to medium grained, low plasticity	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X			11-16-27	16	222.6			SAA except reddish yellow (7.5YR 6/8), dense, medium to coarse grained		
SS 3	X	▲		12-15-18	17	220.3	5		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/6), damp, dense, medium to coarse grained, nonplastic		
SS 4	X	▲		11-13-17	18	217.8			<b>SAND, with silty clay (SP-SC)</b> - Brownish yellow (10YR 6/8), damp, dense, very fine to fine grained, low plasticity		
SS 5	X	▲		5-7-9	19	215.3	10		<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, very stiff, medium plasticity, fine grained SAND, -HCL		
SS 6	X	▲		4-5-8	17	212.8			<b>CLAY (CL)</b> - Yellow (10YR 7/6), damp, stiff, medium plasticity, -HCL		
SS 7	X	▲		5-5-8	19	208.8	15		<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, very stiff, low plasticity, fine to medium grained SAND, -HCL		
SS 8	X	▲		3-4-5	15	203.8	20		<b>SAND, with silty clay (SP-SC)</b> - Pale yellow (2.5Y 7/4), damp, loose, very fine to fine grained, low plasticity, -HCL	Losing circulation from depths of 20.0 to 25.0 feet	
SS 9	X	▲		3-2-1	17	198.8	25		<b>CLAY, sandy (CL)</b> - Pale yellow (2.5Y 7/4), damp, soft, low plasticity, fine grained SAND, +HCL		
SS 10	X		▲	50/4"	5		30		<b>*CLAY, silty, sandy (CL-ML)</b> - Pale yellow (2.5Y 8/3), damp, hard, fine to medium grained SAND, contains shell hash, +HCL		
SS 11	X	▲		13-21-16	18		35		SAA	Water level depth at end of 1/26/07 = Ground surface End logging by D. Brooks. Begin logging by C. Gandy. Water level depth at beginning of 2/8/07 = Borehole dry Installed 4" steel casing to a depth of 43.0 feet	
SS 12	X	▲		17-23-31	20	183.8	40		SAA		
SS 13	X	▲		12-14-18	20	178.8	45		<b>*CLAY (CL)</b> - Very pale brown (10YR 8/4), damp, hard, low plasticity, contains shell fragments from 0.25" to 0.5" in diameter, +HCL		
SS	X	▲		12-14-21	16				<b>*CLAY, silty, with sand (CL-ML)</b> - Very pale brown (10YR 7/4), damp, hard, low plasticity,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1174**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1174
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					173.8			contains shell fragments from 0.1" to 1" in diameter, +HCL	Water level depth at beginning of 2/9/07 = Borehole dry	
SS 15			▲ 50/3"	4		55		*SHELL HASH, with silt and sand (GP-GM) - Very pale brown (10YR 8/4), wet, hard, nonplastic, +HCL		
					168.8					
SS 16		▲	12-17-23	19		60		*CLAY, silty with sand (CL-ML)- Very pale brown (10YR 8/3), damp, hard, low plasticity, contains shell fragments, +HCL		
					163.8					
SS 17		▲	9-22-20	25		65		*CLAY, sandy (CL)- Very pale brown (10YR 8/4), moist, hard, medium plasticity, contains shell fragments from 0.25" to 1" in diameter, +HCL		
					158.8					
SS 18			▲ 50/4"	3		70		*SHELL HASH, with clay and sand (GP-GC) - Very pale brown (7.5YR 8/2), moist to wet, hard, nonplastic, +HCL		
					153.8					
SS 19		▲	28-13-13	17		75		*SAND, clayey (SC)- Very pale brown (10YR 7/3), moist, medium dense, low plasticity, contains shell fragments, 0.25" to 1" in diameter, +HCL		
					148.8					
SS 20		▲	9-12-16	23		80		*CLAY, with sand (CL)- Very pale brown (10YR 8/4), moist, very stiff, medium plasticity, contains shell fragments 0.1" to 1" in diameter, +HCL		
					143.8					
SS 21		▲	21-20-15	20.5		85		CLAY, silty (CL-ML)- Very pale brown (10YR 7/4), damp, hard, low plasticity, contains shell hash, +HCL		
					138.8					
SS 22		▲	15-11-20			90		*CLAY, sandy (CL)- Very pale brown (10YR 7/4), damp, hard, low plasticity, contains shell fragments 0.1" to 0.5" in diameter, +HCL		
					133.8					
SS 23			▲ 40-50/4"	14		95		CLAY, silty (CL-ML)- Brownish yellow (10YR 6/6) to greenish gray (GLEY1 10Y), damp, hard, low plasticity, contains shell hash and sub-parallel laminations, +HCL		
					128.8					
SS 24		▲	10-12-28	27		125.8		SAND, silty (SM)- Light yellowish brown (10YR 6/4), moist, dense, nonplastic, contains shell hash and sub-parallel laminations, +HCL		
						100		Boring terminated at 100 feet		
					SITE Vogtle Units 3 & 4 COL Project				HOLE NO. B-1174	
					Final Log					





<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>B-1176</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1145876.3 E 622195.2</b>				BEGUN <b>1/3/2007</b>		COMPLETED <b>1/5/2007</b>	
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>35.0</b>	
GROUND EL. <b>221.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				221.5					
SS 1	▲		5-7-9	17					<b>SAND, with silt (SP-SM)</b> - Reddish brown (5YR 4/4), dry, medium dense, very fine grained, nonplastic, contains organics SAA except no organics	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		8-7-6	17							
SS 3	▲		3-4-4	18			5	SAA except yellowish red (5YR 5/6), loose			
SS 4	▲		2-2-3	18				SAA except reddish brown (5YR 4/4), wet, very fine to fine grained			
SS 5	▲		5-5-8	18			10	SAA except yellowish red (5YR 5/6) and strong brown (7.5YR 5/8), moist, medium dense, fine grained, contains trace coarse grained, subrounded quartz fragments SAA except reddish yellow (7.5YR 6/8), trace coarse SAND is subangular			
SS 6	▲		6-8-11	18							
SS 7	▲		4-4-8	18		207.8	15	SAA <b>SILT (ML)</b> - Yellow (10YR 7/6) and reddish yellow (7.5YR 6/8), moist, stiff, low plasticity, low dry strength, low toughness			
SS 8	▲		4-7-15	17		202.0	20	SAA except pale yellow (5Y 7/4), contains iron staining <b>*CLAY (CL)</b> - Pale yellow (5Y 7/3), moist, very stiff, low plasticity, contains shell fragments (white (2.5Y 8/1), angular), +HCL			
SS 9	▲		16-14-17	18		199.5	25	<b>SAND, with clay (SP-SC)</b> - Pale yellow (5Y 8/4), moist, dense, fine grained, nonplastic, contains shell fragments and iron staining, +HCL			
SS 10	▲		15-8-13	18			30	SAA except pale yellow (5Y 8/2), medium dense, very fine to fine grained			
SS 11	▲		23-33-50/4"	16		186.7	35	<b>CLAY, silty, sandy (CL-ML)</b> - Pale yellow (5Y 8/4), moist, hard, low plasticity, low dry strength, low toughness, very fine to fine grained SAND, contains shell fragments and hash as well as iron staining, +HCL Boring terminated at 34.83 feet due to tools lost in the borehole. Refer to boring log B-1176A for continuation			
										Water level depth at end of 1/4/07 = 2.2 feet	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1176**



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1176A</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1145878.8 E 622196.8</b>				BEGUN <b>1/5/2007</b>		COMPLETED <b>1/12/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>100.0</b>			
GROUND EL. <b>221.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>									

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						221.5				
							5		SEE B-1176 FOR LITHOLOGY TO 35 FEET	
							10			
							15			
							20			
							25			
							30			
							35			
						186.5	35			Top of Utley Limestone at a depth of 35.0 feet
SS 1	⊗			50/5"	5		40		*SHELL HASH, silty, clayey with sand (GC-GM)- Very pale brown (10YR 8/4), wet, very dense, +HCL	
SS 2	⊗			16-15-27	14		45		SAA except dense, contains cemented zones consisting of shells and quartz SAND in a carbonate mud matrix, some zones of SAND, clayey at top of sample	
SS	⊗			13-13-22	18				SAA	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-1176A</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-1176A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
3					169.5	50			Water level depth at end of 1/11/07 = Ground surface End logging by M. Cooke. Begin logging by R. Clark.  Drilled through 2' void at 71.0 feet Top of Blue Bluff Marl at a depth of 72.5 feet	
SS 4	⊗	▲	18-11-17			55		<b>SILT, with sand (ML)</b> - White (7.5YR 8/1), moist, very stiff, low plasticity, fine grained SAND, contains crushed shell fragments, +HCL		
SS 5	⊗		26-25-50/5"	18		60		<b>SAND, silty (SM)</b> - White (7.5YR 8/1), moist, very dense, fine to coarse grained, contains shell hash and cemented zones, +HCL		
SS 6	⊗	▲	14-14-40	15		65		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/2), damp, very dense, fine to medium grained, low plasticity, contains shell hash and cemented zones, +HCL		
SS 7	⊗		17-22-50/2"	13		70		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/2), damp, very dense, fine to medium grained, low plasticity, contains shell hash, +HCL		
SS 8	⊗	▲	14-16-28	20		75		<b>SILT (ML)</b> - Greenish gray (GLE Y2 5/1), damp, hard, nonplastic, +HCL		
SS 9	⊗	▲	13-17-28	23		80		SAA		
SS 10	⊗	▲	24-27-49	22		85		SAA		
SS 11	⊗	▲	13-17-36	23		90		SAA		
SS 12	⊗		16-38-50/4"	23		95		SAA		
SS 13	⊗	▲	28-34-49	23		100		SAA		
					121.5	100		Boring terminated at 100 feet		
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1176A</b>	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1185</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1144716.6 E 622232.2</b>		BEGUN <b>12/19/2006</b>		COMPLETED <b>12/21/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>148.9</b>	
GROUND EL. <b>226.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
					226.8						
SS 1	X	▲	2-4-5	14				SAND, with silt (SP-SM) Brown (7.5YR 4/3), damp, loose, fine grained, sub rounded SAA except brown (10YR 4/3)		Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	3-2-3	18							
SS 3	X	▲	7-6-10	16	223.3			SAND, silty (SM)- Reddish yellow (5YR 6/8), damp, medium dense, fine grained, rounded			
SS 4	X	○	11-11-11	15	221.3	5					
SS 5	X	▲	8-12-14	16				SAND, clayey (SC)- Yellowish red (5YR 5/8) and yellow (10YR 7/8), damp, medium dense, medium grained, rounded SAA			
SS 6	X	○	8-10-12	14	213.8	10					
SS 7	X	▲	5-7-10	16				CLAY, sandy (CL)- Yellowish red (5YR 5/8) and brownish yellow (10YR 6/8), very stiff, low plasticity			
					209.8	15					
SS 8	X	▲	2-4-8	17				CLAY (CL)- Yellowish red (5YR 5/8) and yellow (2.5Y 7/6), damp, stiff, medium plasticity			
SS 9	X	▲	2-3-4	21							
SS 10	X	▲	2-3-3	23	199.8			CLAY, sandy (CL)- Brownish yellow (10YR 6/6), pale yellow (5Y 8/3), and yellowish red (5YR 5/8), damp, medium stiff, medium plasticity			
					194.8	30					
SS 11	X	▲	3-4-5	16				SAND, clayey (SC)- Yellow (10YR 7/8), damp, loose, medium grained, rounded			
SS 12	X	▲	2-2-1	10							
SS 13	X	▲	3-3-5	14				SAA except pale yellow (5Y 8/3), very loose			
						40					
SS	X	▲	4-3-5	16				SAA except yellow (10YR 7/6), wet, loose, sub rounded			
						45					
								SAA except pale yellow (2.5Y 7/3), damp, loose, -HCL			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1185**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1185
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	×		▲ 50/5"	1.5	173.3	55		*CLAY (CL)- Pale yellow (2.5Y 8/4), wet, hard, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 53.5 feet
SS 16	×		▲ 33-50/4"	6		60		SAA	
					164.8				
SS 17	×	▲	8-40-30	11		65		*SAND, clayey (SC)- Pale yellow (5Y 8/3), damp, very dense, fine grained, contains shell fragments, +HCL	Loss of circulation at a depth of 62.0 feet
SS 18	×		▲ 40-50/4"	15		70		SAA except (2.5Y 8/4)	
					154.8				Water level depth at end of 12/19/2006 = Ground surface
SS 19	×	▲	10-12-16	27		75		SAND, with silt (SP-SM)- Pale yellow (2.5Y 8/2), wet, medium dense, fine grained, rounded, -HCL	Water level depth at beginning of 12/20/2006 = 26 feet
SS 20	×		▲ 50/2"	1.5		80		SAA except pale yellow (2.5Y 7/3), very dense	
					143.8				
SS 21	×	▲	8-15-20	27		85		*CLAY (CL)- Greenish gray (GLE Y 5/1), dry, hard, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 83.0 feet
SS 22	×	▲	15-18-38	20		90		SAA	
SS 23	×		▲ 13-50/5"	21		95		SAA except low plasticity	
SS 24	×	▲	37-18-39	27		100		SAA	
									Water level depth at end of 12/20/2006 = 75 feet
SS 25	×		▲ 50/5"	6		105		SAA	Installed 4" steel casing to a depth of
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1185

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1185
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗		▲ 8-15-50/5"	27		110		SAA except greenish grey (GLEY1 5/1), damp, medium plasticity	105.0 feet Water level depth at beginning of 12/21/2006 = 63 feet
SS 27	⊗		▲ 33-50/5"	18		115		SAA	
SS 28	⊗	▲	14-16-30	27		120		SAA	
SS 29	⊗	▲	13-18-34	27		125		SAA except dry, contains shell fragments	
SS 30	⊗	▲	10-26-30	27		130		SAA	
SS 31	⊗	▲	8-8-22	27		135		SAA except damp, very stiff	
SS 32	⊗		▲ 2-16-50/6"	27		140		SAA except (GLEY1 7/1)	
SS 33	⊗		▲ 11-50/6"	15	83.8	145		<b>SAND, clayey (SC)</b> - Very dark greenish gray (GLEY1 3/1), damp, very dense, medium grained, rounded, -HCL	
SS 34	⊗		▲ 50/5"	1	77.9			SAA Boring terminated at 148.92 feet	
					SITE	Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-1185</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-1186</b>	
LOGGED BY <b>B. Mabie</b>				COORDINATES <b>N 1144711.9 E 618818.9</b>		BEGUN <b>1/24/2007</b>		COMPLETED <b>1/26/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>178.8</b>	
GROUND EL. <b>277.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				277.5					
SS 1	▲		2-1-1	18		277.5			<b>SAND, with silt (SP-SM)</b> Brownish yellow (10YR 6/6), damp, very loose, fine grained, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		2-1-1	18							
SS 3	▲		2-2-2	14					SAA except fine to medium grained		
SS 4	▲		5-7-13	17		272.0	5		<b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 6/8), moist, medium dense, fine grained, nonplastic to low plasticity, -HCL		
SS 5	○		10-14-17	18			10		SAA except red (2.5YR 5/8), dense, fine to medium grained	Installed 3" steel casing to a depth of 10.0 feet	
SS 6	▲		6-10-13	14					SAA red (10R 4/8), medium dense, low plasticity, fine grained	Water level depth at end of 1/24/07 = 0.81 feet	
SS 7	▲		6-7-10	12			15		SAA except dark red (10R 3/6)	Water level depth at beginning of 1/25/07 = 0.83 feet	
						260.5					
SS 8	▲		5-7-8	15			20		<b>CLAY, silty, sandy (CL-ML)</b> - Weak red (10R 5/4), moist, stiff, low plasticity, fine grained SAND, -HCL		
						255.5					
SS 9	▲		5-6-7	12			25		<b>CLAY, silty with sand (CL-ML)</b> - Red (10R 5/6), moist, stiff, low plasticity, fine grained SAND, -HCL		
						250.5					
SS 10	▲		5-6-7	12			30		<b>CLAY, silty, sandy (CL-ML)</b> - Red (10R 5/6), moist, stiff, low plasticity, fine grained SAND, -HCL		
SS 11	▲		5-6-7	12			35		SAA except reddish yellow (7.5YR 6/6)		
						240.5					
SS 12	▲		5-9-7	12			40		<b>SAND, silty, clayey (SC-SM)</b> - Yellowish red (5YR 5/6), moist, medium dense, fine grained, nonplastic to low plasticity, -HCL		
						235.5					
SS 13	▲		5-7-8	9			45		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/6), moist, medium dense, fine grained, nonplastic, -HCL		
SS	▲		6-10-11	8					SAA except reddish yellow (7.5YR 6/8), wet		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE




SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1186**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-1186
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					225.5					
SS 15	⊗	▲	7-9-15	9		55		<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 5/6), wet, medium dense, fine to medium grained, nonplastic, -HCL		
SS 16	⊗	▲	9-10-14	10		60		SAA except red (10R 4/6), fine grained		
SS 17	⊗	▲	11-16-15	9		65		SAA except strong brown (7.5YR 5/8), dense, fine to medium grained		
					210.5					
SS 18	⊗	▲	3-4-4	15		70		<b>SAND, silty, clayey (SC-SM)-</b> Reddish yellow (7.5YR 6/8), wet, loose, fine grained, low plasticity, -HCL		
					205.5					
SS 19	⊗	▲	3-3-5	18		75		<b>CLAY, silty (CL-ML)-</b> Light greenish gray (GLE Y1 8/5GY), wet, medium stiff, low plasticity, -HCL		
					201.0					
SS 20	⊗	▲	6-20-32	18		80		<b>CLAY, silty, sandy (CL-ML)-</b> Light greenish gray (GLE Y1 8/5GY), wet, hard, low plasticity, fine grained SAND, contains shell fragments, +HCL		
					195.5					
SS 21	⊗	▲	13-6-7	18		85		<b>CLAY, silty (CL-ML)-</b> Light greenish gray (GLE Y1 8/5GY), moist, stiff, low plasticity, contains shell fragments, +HCL		
					190.5					
SS 22	⊗	▲	1-3-4	18		90		<b>CLAY (CL)-</b> Light greenish gray (GLE Y1 8/10Y), wet, medium stiff, low plasticity, contains shell hash, +HCL		
					185.5					
SS 23	⊗	▲	8-12-10	18		95		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLE Y1 6/10GY), moist, very stiff, low plasticity, contains shell fragments, +HCL		
					180.5					
SS 24	⊗	▲	8-10-19	18		100		<b>CLAY (CL)-</b> Greenish gray (GLE Y1 5/5G), moist, very stiff, low plasticity, +HCL		
SS 25	⊗	▲	7-13-31	18		105		SAA except olive gray (5Y 5/2), hard, low to medium plasticity, contains shell fragments		
					170.5					
SITE					Vogle Units 3 & 4 COL Project					HOLE NO.
					Final Log					B-1186



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-1186
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×		▲ 10-50/5"	10		110		<b>CLAY, silty, sandy (CL-ML)</b> - Light gray (2.5Y 7/2), moist, hard, low plasticity, contains shell hash, +HCL	
SS 27	×	▲	6-7-9	18		115		<b>CLAY, silty (CL-ML)</b> - Light yellowish brown (2.5Y 6/3), moist, very stiff, low plasticity, contains shell fragments, +HCL	
SS 28	×	▲	17-14-15	18		120		<b>CLAY, silty, sandy (CL-ML)</b> - Pale yellow (2.5Y 7/3), moist, very stiff, low plasticity, contains shell hash, +HCL	
SS 29	×	▲	5-6-14	18		125		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 7/3), moist, low plasticity, contains shell fragments, +HCL	
SS 30	×	▲	6-7-11	18		130		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 7/3), wet, medium dense, fine grained, nonplastic to low plasticity, contains shell fragments, +HCL	
SS 31	×	▲	23-16-15	18		135		<b>CLAY, silty, sandy (CL-ML)</b> - Pale yellow (2.5Y 7/3), wet, hard, low plasticity, contains shell hash, +HCL	
SS 32	×	▲	11-21-14	18		140		SAA	
SS 33	×	▲	50/5"	4		145		<b>SAND, with silt (SP-SM)</b> - Greenish gray (GLE Y1 6/10GY), moist, very dense, fine grained, nonplastic, contains shell fragments, +HCL	
SS 34	×	▲	9-12-11	18		150		<b>CLAY (CL)</b> Greenish gray (GLE Y1 5/10GY), moist, very stiff, low to medium plasticity, contains shell fragments, +HCL	Water level depth at end of 1/25/07 = 48.65 feet
SS 35	×	▲	7-19-18	18		155		<b>CLAY, silty, sandy (CL-ML)</b> - Greenish gray (GLE Y1 6/10GY), wet, hard, low plasticity, contains shell fragments, +HCL	Water level depth at beginning of 1/26/07 = 51.62 feet
SS 36	×	▲	9-14-6	18		160		<b>SAND, with silty clay (SP-SC)</b> - Light greenish gray (GLE Y1 7/1GY), wet, medium dense, fine to medium grained, nonplastic to low plasticity, contains shell hash, +HCL	
SS	×	▲	10-11-17	18		165.5		<b>CLAY, silty with sand (CL-ML)</b> - Greenish	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1186

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-1186
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37	×					165		gray (GLEY1 5/5G), wet, very stiff, contains some shell fragments, low plasticity, +HCL	
SS 38	×	▲	19-39-29	10	110.5	170		<b>SAND, silty, clayey (SC-SM)-</b> Pale yellow (2.5Y 8/2), wet, very dense, fine to medium grained, nonplastic to low plasticity, +HCL	
SS 39	—		50/1"	0	105.5	175		<b>NO RECOVERY</b>	
SS 40	×		50/3"	2	98.8			<b>CLAY, silty (CL-ML)-</b> Light greenish gray (GLEY1 7/5GY), wet, hard, nonplastic to low plasticity, contains shell fragments, hash, and cemented sand grains, +HCL Boring terminated at 178.75 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-1186



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-1187</b>		
LOGGED BY <b>D. Atkinson</b>			COORDINATES <b>N 1144710.2 E 619259.6</b>			BEGUN <b>1/29/2007</b>		COMPLETED <b>1/30/2007</b>		
DRILLER <b>White-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>277.7</b>			DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						277.7				
SS 1	▲		2-2-2	13		276.2			<b>SAND, with silt (SP-SM)-</b> Pale brown (10YR 1/3), dry, very loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		2-2-2	18					<b>SAND, clayey (CL)-</b> Strong brown (7.5YR 5/6), damp, very loose, fine grained, low plasticity	
SS 3	▲		2-2-6	10			5		SAA except yellowish red (5YR 5/8), loose	
SS 4	▲		12-19-26	18					SAA except red (2.5YR 4/8), dense	
SS 5	▲		9-13-16	14			10		SAA except medium dense	
SS 6	▲		6-10-15	15		264.7			SAA	Installed 4" steel casing to a depth of 10.0 feet
SS 7	▲		7-10-14	14			15		<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 5/8), damp, medium dense, fine grained, nonplastic to low plasticity	
SS 8	▲		5-7-8	14			20		SAA except wet	
SS 9	▲		5-7-7	15		255.7			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 7/8), wet, medium dense, fine grained	
SS 10	▲		5-7-7	17		250.7			<b>SAND, with clay (SP-SC)-</b> Yellowish red (5YR 5/8), wet, medium dense, fine grained	
SS 11	▲		5-6-6	14		245.7			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 7/8), wet, medium dense, fine grained	
SS 12	▲		5-6-6	16			40		SAA except dark red (10R 3/6)	
SS 13	▲		6-9-10	14			45		SAA except red (10R 4/8)	
SS	▲		4-6-8	13					SAA	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**




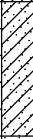

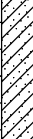
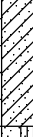


HOLE NO.  
**B-1187**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1187
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		7-9-11	10		55		SAA except red (10R 5/8), fine to medium grained, -HCL	
					220.7				
SS 16	▲		9-12-13	17		60		SAND (SP) - Yellow (10YR 7/8), wet, medium dense, fine grained, -HCL	
SS 17	▲		6-10-12	13		65		SAA except yellow (10YR 7/6)	
					210.7				
SS 18	▲		3-4-7	10		70		CLAY (CL) - Yellow (10YR 7/6), wet, stiff, contains 2" fine to medium grained SAND lense at bottom of spoon, -HCL	
SS 19	▲		1-2-3	18		75		SAA except very pale brown (10YR 8/4), medium stiff, no lense	
					200.7				
SS 20	▲		1-3-3	16		80		SAND, with clay (SP-SC) - Very pale brown (10YR 8/3), wet, loose, fine grained, nonplastic to low plasticity, -HCL	
					196.2				
SS 21	▲		3-4-5	18		85		CLAY, silty (CL-ML) - Light greenish gray (GLE Y 1 8/10 Y), wet, stiff, medium plasticity, trace fine SAND, +HCL	
SS 22	▲		8-12-50/4"	16		90		SAA except hard, medium to high plasticity, contains shell fragments <1/8"	
					185.7				
SS 23	▲		3-5-13	18		95		SAND, with silt (SP-SM) - Light greenish gray (GLE Y 1 8/10 Y), wet, very stiff, medium dense, very fine grained, nonplastic, +HCL	
					180.7				
SS 24	▲		8-11-12	18		100		CLAY, silty (CL-ML) - Greenish gray (GLE Y 1 6/10 G Y), wet, very stiff, medium to high plasticity, trace very fine SAND, +HCL	
					175.7				
SS 25	▲		19-50/2"	8		105		CLAY, with sand (CH) - Pale yellow (2.5 Y 8/1), wet, hard, medium to high plasticity, very fine SAND, +HCL	
					170.7				
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1187

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-1187				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗					▲	21-50/1"		4		110		<b>SAND, silty (SM)</b> - Olive yellow (2.5Y 6/6), wet, very dense, fine to medium grained, contains shell fragments, +HCL	Water level depth at end of 1/29/07 = Top of Casing  Water level depth at beginning of 1/30/07 = 55.6 feet	
SS 27	⊗	▲					12-9-8		15		115		SAA except medium dense, fine grained		
SS 28	⊗						25-15-31		18		120		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/4), wet, dense, fine grained, contains shell fragments <1/8" in diameter, +HCL		
SS 29	⊗		▲				6-13-17		15		125		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 7/4), wet, dense, fine grained, contains shell fragments <1/16" in diameter, +HCL		
SS 30	⊗					▲	8-23-35		13		130		<b>SAND (SP)</b> - Pale yellow (2.5Y 8/2), wet, very dense, fine grained, contains trace shell fragments <1/16" in diameter, +HCL		
SS 31	⊗					▲	15-18-17		16		135		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/3), dense, fine grained, contains shell fragments < 1/2" in diameter and 2" shell hash lens at bottom, +HCL		
SS 32	⊗		▲				15-13-9		16		140		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/4), wet, medium dense, fine grained, nonplastic to low plasticity, contains shell fragments <1/4" in diameter, +HCL		
SS 33	⊗	▲					5-7-7		10		145		SAA except fine to medium grained, low plasticity, no shells		
SS 34	⊗					▲	7-12-25		18		150		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), wet, dense, fine to medium grained, low to medium plasticity, contains trace shell fragments, +HCL Boring terminated at 150 feet		
SITE										Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1187	



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1189
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14										
SS 15	▲		7-9-12	9		55		SAA except strong brown (7.5YR 5/6)		
SS 16	▲		8-12-17	12		60		SAA except red (2.5YR 5/6)		
SS 17	▲		8-12-14	13		65		SAA except red (10R 7/8)		
SS 18	▲		5-7-7	6		70		SAA except brownish yellow (10YR 6/8)		
SS 19	▲		2-2-3	10	208.0	75		SAND, with clay (SP-SC)- Brownish yellow (10YR 6/8), wet, loose, fine grained, -HCL		
SS 20	▲		2-4-5	18	203.0	80		SAND, clayey (SC) - Very pale yellow (10YR 8/4), wet, loose, fine grained, nonplastic to low plasticity, -HCL		
SS 21	▲		1-3-1	12		85		SAA except pale yellow (2.5Y 7/3), very loose, low to medium plasticity		
SS 22	▲		4-5-7	18		90		SAA except light greenish gray (GLE Y1 8/10Y), medium dense, very fine to fine grained, +HCL		
SS 23	▲		3-4-5	18	188.0	95		CLAY, silty (CL-ML)- Light greenish gray (GLE Y1 8/10Y), wet, stiff, medium to high plasticity, +HCL		
SS 24	▲		6-8-13	18	183.0	100		CLAY, with sand (CL)- Light greenish gray (GLE Y1 8/10Y), wet, very stiff, low to medium plasticity, very fine SAND, +HCL		
SS 25	▲		8-10-12	18	178.0	105		CLAY, silty with sand (CL-ML)- Greenish gray (GLE Y2 5/5BG), wet, very stiff, medium to high plasticity, very fine grained SAND, +HCL		
					173.0					
					SITE	Vogle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-1189

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1189
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	9-14-15	16	168.0	110		<b>CLAY, with sand (CL)</b> - Pale yellow (2.5Y 8/3), wet, very stiff, medium plasticity, fine grained SAND, contains shell fragments <1/8" in diameter, +HCL		
SS 27	⊗	▲	10-7-8	16	163.0	115		<b>SAND, with clay (SP-SC)</b> - Yellow (2.5Y 8/6), wet, medium dense, fine grained, nonplastic to low plasticity, +HCL		
SS 28	⊗	▲	11-15-19	13	158.0	120		<b>CLAY, sandy (CL)</b> - Pale yellow (2.5Y 8/3), wet, hard, low plasticity, fine grained SAND, contains shell fragments <1/4" in diameter, +HCL		
SS 29	⊗	▲	12-19-23	12	153.0	125		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/4), wet, hard, fine grained, +HCL		
SS 30	⊗	▲	13-13-12	11	148.0	130		<b>SAND (SP)</b> - Yellow (2.5Y 8/6), wet, medium dense, fine to medium grained, -HCL		
SS 31	⊗	▲	18-29-31	18	135	135		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/2), wet, very dense, fine grained, contains abundant shell hash, +HCL		
SS 32	⊗	▲	17-18-24	13	138.0	140		SAA except pale yellow (2.5Y 8/3), low to medium plasticity, contains shell fragments <1/8", +HCL		
SS 33	⊗	▲	14-9-13	16	145	145		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/3), wet, medium dense, fine to medium grained, contains shell fragments, +HCL		
SS 34	⊗	▲	50-15-14	12	130.0	150		SAA except very pale brown (10YR 8/3)		
								Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-1189	





<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-1191</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1144301.6 E 619490.8</b>		BEGUN <b>2/5/2007</b>		COMPLETED <b>2/6/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>260.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						260.3					
SS 1	X	▲	1-1-1	15		258.8			<b>SAND, with silt (SP-SM)-</b> Brown (10YR 4/3), damp, very loose, fine grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	3-7-13	16					<b>SAND, clayey (SC)-</b> Brown (10YR 4/3), dry, medium dense, fine grained, low plasticity		
SS 3	X	▲	6-9-13	16			5		SAA except red (2.5YR 4/8)		
SS 4	X	▲	6-11-12	15					SAA		
SS 5	X	▲	7-10-12	15			10		SAA		
SS 6	X	▲	7-12-17	11					SAA		
SS 7	X	▲	7-9-12	13			15		SAA		
SS 8	X	▲	4-8-10	13		238.3	20		SAA except reddish yellow (7.5YR 6/8), damp, contains CLAY seams		
SS 9	X	▲	5-5-8	11			25		<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 5/8), damp, medium dense, fine grained, nonplastic		
SS 10	X	▲	5-7-9	9			30		SAA		
SS 11	X	▲	5-8-11	10			35		SAA except red (10R 4/8), fine to medium grained, low plasticity		
SS 12	X	▲	5-10-11	9			40		SAA except yellowish red (5YR 5/8)		
SS 13	X	▲	7-14-18	9			45		SAA except red (10R 5/8)		
SS	X	▲	3-4-6	18		213.3			<b>CLAY, silty with sand (CL-ML)-</b> Yellow (2.5Y 7/6), moist, stiff, medium plasticity,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1191**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-1191
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								contains traces of phosphate grains, -HCL	
SS 15	▲		3-5-6	16		55		SAA except fine to medium grained SAND	
SS 16	▲		3-3-5	18		60		SAA except contains SAND seams	
SS 17	▲		10-4-16	18		65		SAA except pale yellow (2.5Y 7/4), damp, very stiff, low plasticity, contains trace shell fragments and phosphate grains, +HCL	Water level depth at end of 2/5/07 = Top of casing
SS 18	▲		4-4-6	18		70		SAA except pale yellow (5Y 7/3), stiff	Water level depth at beginning of 2/6/07 = 33.0 feet
SS 19	▲		29-12-17	18		75		SAA	
SS 20	▲		26-19-19	18	183.3	80		<b>SILT (ML)</b> - Greenish gray (GLE Y 1 5/10GY), dry, hard, contains CLAY, shell fragments, and phosphate grains, +HCL	
SS 21	▲		7-9-12	18		85		SAA except very stiff	
SS 22	▲		50/6"	9	173.3	90		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/4), moist, very dense, fine to coarse grained, contains abundant shell fragments and trace phosphate grains, +HCL	
SS 23	▲		19-17-20	12		95		SAA except pale yellow (2.5Y 7/6), dense, medium to coarse grained with cemented SAND	
SS 24	▲		19-17-26	18	163.3	100		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/3), moist, dense, fine to medium grained, contains trace shell fragments and phosphate grains, +HCL	
SS 25	▲		19-37-34	17		105		SAA except contains abundant shell fragments	
					153.3				
					SITE	Vogle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-1191

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-1191
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	10-9-13	18		110		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/3), moist, medium dense, fine to medium grained, low plasticity, contains traces of shell fragments and phosphate grains, +HCL		
SS 27	⊗	▲	11-17-24	15		115		SAA except dense		
SS 28	⊗	▲	10-12-8	17		120		SAA except pale yellow (5Y 7/3), medium dense		
SS 29	⊗		50/1"	0		125		<b>NO RECOVERY</b>		
SS 30	⊗	▲	7-9-14	18		130		<b>CLAY, silty with sand (CL-ML)</b> - Greenish gray (GLE Y1 5/10GY), moist, very stiff, contains traces of shell fragments and phosphate grains, +HCL		
SS 31	⊗	▲	9-50/5"	15		135		SAA except light greenish gray (GLE Y1 7/10GY), hard		
SS 32	⊗	▲	21-14-14	18		140		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/10GY), dry to damp, very stiff, fine grained SAND seams, low plasticity, contains traces of shell fragments and phosphate grains, +HCL		
SS 33	⊗	▲	9-32-25	18		145		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/4), dry to damp, very dense, fine to coarse grained with cemented SAND, low plasticity, contains shell fragments and trace phosphate grains, +HCL		
SS 34	⊗	▲	20-15-22	18		150		SAA except dense		
								Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-1191	



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-1192
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					191.7			-HCL		
SS 15		▲	1-9-5	18		55		<b>SAND, clayey (SC)</b> - Light greenish grey (GLEY1 8/10Y), wet, medium dense, fine grained, low plasticity, +HCL		
SS 16		▲	10-11-12	18		60		<b>CLAY, silty (CL-ML)</b> - Light greenish grey (GLEY1 7/5GY), wet, very stiff, medium plasticity, +HCL		
SS 17		▲	2-5-4	18		65		<b>CLAY (CH)</b> - Light greenish grey (GLEY1 8/10Y), wet, stiff, high plasticity, +HCL		
SS 18		▲	3-4-6	18		70		<b>SAND, with clay (SP-SC)</b> - Light greenish grey (GLEY1 8/10GY), wet, medium dense, fine grained, nonplastic, +HCL		
SS 19			50/3"	1		75		SAA except contains shell fragments up to 1/2" in diameter		
SS 20			50/3"	2		80		<b>SAND, with silt (SP-SM)</b> - Pale yellow (5Y 8/2), wet, very dense, fine grained, +HCL		
SS 21		▲	11-11-11	9		85		SAA except pale yellow (5Y 8/4), medium dense, fine to medium grained, contains shell fragments up to 1/4" in diameter		
SS 22		▲	11-21-22	16		90		<b>CLAY (CL)</b> - Pale yellow (5Y 8/3), wet, very stiff, contains shell fragments up to 1" in diameter, nonplastic	Water level depth at end of 2/5/2007 = Ground surface	
SS 23		▲	15-5-6	18		95		<b>SAND, clayey (SC)</b> - Light greenish grey (GLEY1 8/10Y), wet, medium dense, fine grained, contains shell fragments up to 1/16" in diameter, nonplastic to low plasticity, +HCL	Water level depth at beginning of 2/6/2007 = 43.9 feet	
SS 24		▲	10-14-16	16		100		<b>SAND, with silt (SP-SM)</b> - Light greenish grey (GLEY1 8/10Y), wet, dense, fine to medium grained, contains shell hash		
SS 25		▲	10-9-20	18		105		<b>CLAY, with sand (CL)</b> - Light greenish grey (GLEY1 8/10Y), wet, very stiff, contains shell fragments, medium plasticity, +HCL		
SITE					Vogtle Units 3 & 4 COL Project Final Log					HOLE NO. B-1192

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-1192
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	▲		4-7-10	16		110		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/4), wet, medium dense, medium grained, nonplastic, +HCL	
SS 27	▲		6-10-18	18		115		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/4), wet, medium dense, medium grained, contains shell fragments, +HCL	
SS 28	▲		6-7-22			120		SAA except very pale brown (10YR 7/3), fine to medium grained	
SS 29	▲		6-8-14	16		125		<b>SAND, clayey (SC)</b> - Yellow (10YR 8/6), wet, medium dense, fine to medium grained, nonplastic to low plasticity, +HCL	
SS 30	▲		8-16-20	16		130		SAA except pale yellow (2.5Y 8/3), dense, contains shell fragments	
SS 31	▲		13-11-15	18		135		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/4), wet, medium dense, fine to medium grained, +HCL	
SS 32	▲		8-50/5"	8		140		<b>SAND, clayey (SC)</b> - Greenish grey (GLE Y1 6/5GY), wet, very dense, fine to medium grained, +HCL	
SS 33	▲		50/4"	1.5		145		<b>SAND, with silt (SP-SM)</b> - Light greenish grey (GLE Y1 7/10GY), wet, very dense, fine grained, +HCL	
SS 34	▲		14-16-22	12		150		SAA except light greenish grey (GLE Y1 8/10Y), dense, fine to medium grained, contains shell fragments	
SS 35	▲		18-28-29	18		155		<b>CLAY, silty (CL-ML)</b> - Dark greenish grey, (GLE Y1 4/5GY), wet, hard, medium plasticity, +HCL	
SS 36	▲		16-29-50	18		160		<b>CLAY, silty (CL-ML)</b> - Greenish grey (GLE Y1 5/10GY), wet, hard, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 157.5 feet.
SS	▲		50/2"	1				SAA except low plasticity	
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-1192

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-1192					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
37													
SS 38	⊗					▲ 13-19-50/4"	18			165		SAA except medium to high plasticity	
										170			
SS 39	⊗					▲ 50/3"	1			71.2		SILT (ML) - Greenish grey (GLEY1 6/10GY), wet, hard, nonplastic, +HCL	
										175			
SS 40	⊗					▲ 50-46-50/1"	13			66.2			
										63.6		CLAY, silty (CL-ML)- Greenish grey (GLEY1 5/10GY), wet, hard, medium to high plasticity, +HCL	
												Boring terminated at 179.58 feet	
								SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
									Final Log				B-1192

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-1193</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1144091.5 E 619277.8</b>		BEGUN <b>2/6/2007</b>		COMPLETED <b>2/8/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>178.8</b>	
GROUND EL. <b>254.1</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	▲		1-1-1	16		254.1			<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/6), moist, very loose, fine grained, low plasticity SAA except yellowish brown (10YR 5/8)		Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		1-1-1	17							
SS 3	▲		1-2-2	9			5		SAA except yellowish brown (10YR 6/8)		
SS 4	▲		1-2-2	10		246.1			SAA except reddish yellow (7.5YR 7/8)		
SS 5	▲		2-2-3	14.5		243.6	10		<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 5/8), moist, loose, fine grained, low plasticity		
SS 6	▲		4-7-10	11		241.1			<b>SAND (SP)-</b> Very pale brown (10YR 8/3), moist, medium dense, fine grained		
SS 7	▲		7-8-9	13			15		<b>SAND, clayey (SC)-</b> Red (2.5YR 4/8), moist, medium dense, fine grained, low plasticity		
SS 8	▲		4-5-6	13.5			20		SAA		
SS 9	▲		4-6-8	13.5			25		SAA		
SS 10	▲		3-5-6	9			30		SAA except red (2.5YR 5/8)		
SS 11	▲		4-6-8	7			35		SAA except red (10R 5/8), fine to medium grained		
SS 12	▲		5-6-7	9			40		SAA except reddish yellow (7.5YR 6/8)		
SS 13	▲		4-6-7	16		212.1			<b>CLAY, silty with sand (CL-ML)-</b> Very pale brown (10YR 8/2), moist, stiff, fine to medium grained, low plasticity		
						207.1					
SS	▲		3-5-7	11					<b>SAND, clayey (SC)-</b> Yellowish brown (10YR 5/8), damp, medium dense, low plasticity.		Water level depth at end of 2/6/2007 = Ground surface  Water level depth at beginning of 2/7/2007 = 14.0 feet

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1193**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-1193
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								contains traces of phosphate grains	
SS 15	▲		4-4-6	17		55		SAA except yellow (10YR 7/8), loose	
SS 16	▲		3-3-3	18		60		SAA except brownish yellow (10YR 6/8)	
SS 17	▲		5-20-15	18	192.1	65		<b>CLAY, silty (CL-ML)</b> - Pale yellow (5Y 8/3), dry to damp, hard, contains traces of shell fragments and phosphate grains, +HCL	
SS 18	▲		14-32-15	18		70		SAA except pale yellow (5Y 8/2)	
SS 19	▲		7-10-13	18		75		SAA except pale yellow (5Y 7/4), very stiff	
SS 20	▲		8-9-11	18		80		SAA except pale olive (5Y 6/4), low plasticity	
SS 21	▲		50/6"	7	172.1	85		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/2), dry to damp, very dense, low plasticity, contains shell fragments and phosphate grains	
SS 22	▲		14-40-35	17.5		90		SAA except pale yellow (5Y 8/3), +HCL	
SS 23	▲		14-50/2"	11		95		SAA except pale yellow (5Y 7/4)	
SS 24	▲		12-50/6"	15		100		SAA except pale yellow (5Y 7/3)	
SS 25	▲		7-11-13	18	152.1	105		<b>CLAY, silty (CL-ML)</b> - Greenish grey (GLEYY 5/10GY), dry to damp, very stiff, low plasticity, contains traces of shell fragments, +HCL	
					147.1				
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-1193

GEOTECHNICAL LOG			PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-1193				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲				7-13-12	18			110		SAND, clayey (SC)- Pale yellow (5Y 8/3), damp, medium dense, medium to coarse grained, contains shell fragments and phosphate grains, +HCL		
SS 27	⊗	▲				9-14-15	18			115		SAA except pale yellow (5Y 8/2)		
SS 28	⊗					6-23-50/5"	18			120		SAA except pale yellow (5Y 7/4)		
SS 29	⊗	▲				6-11-19	18			125		SAA except moist		
SS 30	⊗	▲				7-12-12	18			130		SAA except light yellowish brown (2.5Y 6/4)		
SS 31	⊗					8-21-49	16			135		SAA except pale yellow (5Y 7/4), very dense		
SS 32	⊗					30-34-42	18			140		SAA except pale yellow (5Y 7/3)		
SS 33	⊗	▲				9-24-18	18			145		SAA except pale yellow (2.5Y 8/2), dense		
SS 34	⊗					7-50/1"	7			150		SAA except greenish grey (GLE Y1 6/10GY), damp, very dense		
SS 35	⊗					50/0"	0			155		NO RECOVERY		
SS 36	⊗	▲				9-11-12	18			160		SAA except light greenish grey (GLE Y1 7/5G), moist, medium dense		
SS	⊗					24-50/2"	15					CLAY, silty (CL-ML)- Dark greenish grey	Top of Blue Bluff Marl at a depth of 162.0 feet.	
SITE									Vogtle Units 3 & 4 COL Project					HOLE NO.
									Final Log					B-1193

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-1193
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37						165		(GLEY1 4/10GY), dry to moist, hard, contains traces of shell fragments and phosphate grains, +HCL	
SS 38	⊗	▲	12-27-44	18		170		SAA except dry to damp, low plasticity	
SS 39			50/0"	0		82.1		NO RECOVERY	
SS 40	⊗		50/4"	7		77.1			
						75.3		SAA except dark greenish grey (GLEY1 4/5GY) Boring terminated at 178.83 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
					Final Log			B-1193	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1194</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1147504.7 E 621630.2</b>		BEGUN <b>1/16/2007</b>		COMPLETED <b>1/16/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>199.4</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						199.4					
SS 1	▲		2-1-2	20					<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/4), damp, very loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		5-4-5	15					SAA except yellowish brown (10YR 5/6), loose		
SS 3	□ ▲		8-7-8	16		193.9	5		SAA except yellowish brown (10YR 5/8), medium dense		
SS 4	▲		4-6-12	10					<b>SAND, silty (SM)-</b> Yellowish brown (10YR 5/6) and strong brown (7.5YR 5/6), damp, medium dense, medium grained		
SS 5	□ ▲		14-18-24	16			10		SAA except red (2.5YR 5/8) and brownish yellow (10YR 6/8), dense, fine grained, contains very pale brown (10YR 8/4) CLAY traces		
SS 6	▲		13-18-20	15					SAA except strong brown (7.5YR 5/8), moist, medium to coarse grained, rounded, no CLAY traces		
SS 7	▲ □		10-9-10	14		182.4	15		SAA		
SS 8	▲		6-8-9	15			20		<b>SAND, clayey (SC)-</b> Yellow (10YR 7/6 to 7/8), damp, medium dense, fine grained		
SS 9	▲		8-9-12	13			25		SAA except contains pale yellow (5Y 8/2) CLAY trace		
SS 10	▲		7-8-12	17		167.4	30		SAA		
SS 11	□ ▲		12-10-13	13		162.4	35		<b>*SAND, with silt (SP-SM)-</b> Light yellowish brown (10YR 6/4) to brownish yellow (10YR 6/6), moist, medium dense, fine grained, rounded		
SS 12	▲		5-4-6	14		157.4	40		<b>SAND, clayey (SC)-</b> Light yellowish brown (10YR 6/4) to brownish yellow (10YR 6/6), moist, loose, fine grained		
SS 13	□ ▲		10-8-10	12			45		<b>*SAND, with clay (SP-SC)</b> Very pale brown (10YR 7/4), damp, medium dense		
SS	▲		8-7-9	17		149.4			SAA except very pale brown (10YR 7/4) and pale yellow (2.5Y 7/4), moist, fine to medium		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1194**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1194		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											grained, -HCL Boring terminated at 50 feet		
								SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1194</b>	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-1195</b>
LOGGED BY <b>M. Herrera</b>		COORDINATES <b>N 1147574.8 E 622478.4</b>		BEGUN <b>1/17/2007</b>		COMPLETED <b>1/17/2007</b>		
DRILLER <b>Skoglund-MACTEC</b>		DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>50.0</b>
GROUND EL. <b>220.6</b>		DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>				

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							220.6				
SS 1	▲		2-1-2			15				<b>SAND, with silt (SP-SM)</b> - Light yellowish brown (10YR 6/4) to brownish yellow (10YR 6/6), damp, very loose, fine grained, rounded SAA except brownish yellow (10YR 6/6)	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		2-2-2			14					
SS 3	▲		3-2-3			17		5		SAA except loose	
SS 4	▲		3-3-4			11	212.6			SAA	
SS 5	▲		4-5-7			20	211.1			<b>SAND (SP)</b> - Very pale yellow (10YR 7/3), wet, medium dense, medium to coarse grained, rounded	
SS 6	▲		5-4-7			15	210.1	10		<b>SAND, with silt (SP-SM)</b> - Strong brown (7.5YR 5/6), moist, medium dense, fine grained	
SS 7	▲		10-11-14			22		15		<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, medium dense, medium grained, rounded SAA	
SS 8	○		18-19-22			15		20		SAA except dense	
SS 9	▲		17-15-18			17		25		SAA except fine grained	
SS 10	▲		8-11-11			18		30		SAA	
SS 11	▲		9-8-9			15		35		SAA except brownish yellow (10YR 6/8), moist	
SS 12	▲		6-6-9			17		40		SAA except contains pale yellow (5Y 8/3) CLAY traces	
SS 13	▲		7-7-8			17		45		SAA except brownish yellow (10YR 6/6 to 10YR 6/8), fine grained	
SS	▲		5-7-9			21	173.6			<b>*SAND, clayey (SC)</b> - Yellow (10YR 7/8), damp, very stiff, low plasticity, -HCL	
							170.6				

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1195			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14												Boring terminated at 50 feet	
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1195</b>	





GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1196			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14												Boring terminated at 50 feet	
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>		HOLE NO. <b>B-1196</b>			

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-1197</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1146874.7 E 622003.8</b>		BEGUN <b>1/15/2007</b>		COMPLETED <b>1/15/2007</b>			
DRILLER <b>Skoglund-MACTEC</b>				DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>245.6</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				245.6					
SS 1	▲		1-1-1	17					<b>SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/6), damp, very loose, medium grained, rounded	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		2-2-2	15				SAA except strong brown (7.5YR 5/6)			
SS 3	▲		2-3-3	13		240.1	5		SAA except loose		
SS 4	▲		3-2-4	7					<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/6), moist, loose, fine grained, rounded		
SS 5	▲		4-4-5	12			10		SAA except red (2.5YR 4/6)		
SS 6	▲		6-8-10	11		232.6			SAA except red (10YR 4/6)		
SS 7	▲		9-10-15	12		228.6	15		<b>SAND, clayey (SC)</b> - Red (2.5YR 4/6), damp, medium dense, fine to medium grained		
SS 8	▲		12-15-18	12		223.6	20		<b>SAND, with silt (SP-SM)</b> - Red (2.5YR 5/6), moist, dense, medium grained, rounded		
SS 9	▲		10-11-15	11		218.6	25		<b>SAND (SP)</b> - Reddish yellow (7.5YR 6/8), wet, medium dense, fine grained, rounded		
SS 10	▲		7-13-16	13			30		<b>*SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/6) and yellowish red (5YR 5/8), moist, medium dense, fine to medium grained		
SS 11	▲		12-12-20	16			35		SAA except yellow (10YR 7/6 and 7/8), dry, dense, medium grained, sub-rounded		
SS 12	▲		13-20-21	11		203.6	40		SAA except white (10YR 8/1) and brownish yellow (10YR 6/8), damp, medium to coarse grained		
SS 13	▲		6-6-8	26		198.6	45		<b>CLAY, sandy (CL)</b> - Pale yellow (2.5Y 7/4) and yellow (2.5Y 7/6), damp, stiff, contains fine grained SAND, medium plasticity, -HCL		
SS	▲		6-6-5	26		195.6			<b>*SAND, silty (SM)</b> - Pale yellow (2.5Y 7/3), damp, medium dense, medium plasticity,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-1197**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-1197		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											contains fine grained SAND, -HCL Boring terminated at 50 feet		
								SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-1197</b>	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 8</b>		HOLE NO. <b>B-3001(DH)</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142599.5 E 621799.6</b>		BEGUN <b>11/29/2006</b>		COMPLETED <b>2/5/2007</b>			
DRILLER <b>Warren-Mactec</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>420.0</b>	
GROUND EL. <b>218.4</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						218.4				
SS 1	×	□	▲	50/4"	6	216.9			<b>GRAVEL (GP)</b> - Brown (7.5YR 5/2), very dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	×		▲	50/6"	12				<b>*SAND, silty (SM)</b> - Red (2.5YR 5/8), dry, very dense	
SS 3	×			17-17-20	14				SAA except dense	
SS 4	×	□	▲	10-9-15	11	212.9	5		<b>*SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/8), dry, medium dense	
SS 5	×		▲	13-13-15	12				SAA	
SS 6	×		▲	14-14-16	16	207.9	10		<b>*SAND, silty (SM)</b> - Red (2.5YR 4/8), dry, medium dense	
SS 7	×	□	▲	14-10-10	12		15		SAA	
SS 8	×		▲	8-12-8	10		20		SAA except yellow (10YR 7/6) to red (2.5YR 5/8)	
SS 9	×		▲	11-9-10	10		25		SAA except reddish yellow (7.5YR 6/8)	
SS 10	×	□	▲	6-8-10	12		30		SAA	
SS 11	×	□	▲	5-6-7	14		35		SAA except brownish yellow (10YR 6/8)	
SS 12	×	□	▲	6-7-8	18	181.4	40		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/6), dry, medium dense, fine grained	
SS 13	×	□	▲	6-9-10	18	176.4	45		<b>*SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), moist, medium dense	
SS	×		▲	3-4-5	17	171.4			<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), dry, loose, fine grained	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3001(DH)</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 8	HOLE NO. B-3001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					166.4				
SS 15	☐ ▲		10-9-10	11		55		SAND (SP) - Yellow (10YR 7/6), dry, medium dense	
SS 16	☐ ▲		8-10-12	11		60		*SAND, with silt (SP-SM)- Yellow (10YR 7/6), moist to wet, medium dense	
SS 17	▲		WOH/6"-2-2	18		65		SAND, clayey (SC)- Very pale brown (10YR 8/2) and brown (10YR 5/6) mottled, moist to wet, very loose to loose, fine to medium grained	
SS 18	▲		WOH/18"			70		SAA except pale yellow (2.5Y 8/4), wet, very loose	
SS 19	▲		50/3"	18		75		CLAY, sandy (CL) Pale yellow (5Y 8/3), damp, hard	Loss of circulation at a depth of 72.0 feet
SS 20	▲		50/1"	0		80		*SHELL HASH, silty (GM)- Pinkish white (7.5YR 8/3), damp, very dense, +HCL	Top of Utley Limestone at a depth of 74.5 feet
SS 21	▲					85		NO RECOVERY	
SS 22	▲		10-10-12	18		90		CLAY (CL)- Green, pale yellow (5Y 7/4), damp, very stiff	
SS 23	▲		10-10-20	13		95		CLAY (CL)- Dark greenish gray (GLE Y 1 4/1/10GY), damp, very stiff to hard	Top of Blue Bluff Marl at a depth of 88.5 feet
UD 1	■					100		NO RECOVERY	
UD 2	■		50/2"	0		105		*CLAY, with shell hash and cemented fragments (CL)- Greenish gray (GLE Y 1 5/5GY), moist, hard, low plasticity, +HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Reamed hole to 95 feet using 6" drill bit. Installed 6" PVC casing to a depth of 98.0 feet. Pitcher
				14				SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Water level depth at end of 1/21/07 = Ground surface
				3					Pitcher Water level depth at beginning of 1/22/07 = Ground surface
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3001(DH)

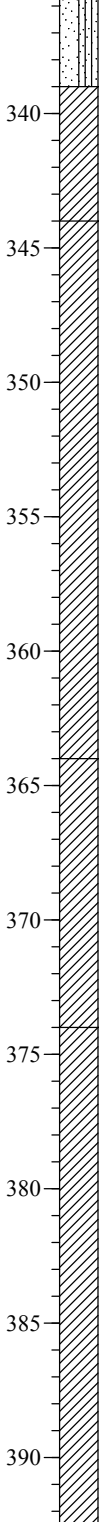
GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 8	HOLE NO. B-3001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
UD 3		○			16	110		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher
UD 4		○+ — □+			27	106.4		*SILT, sandy (MH)- Greenish gray (GLE Y1 5/5GY), moist, very stiff, +HCL Pocket Penetrometer: 1.5 TSF, 2.5 TSF, 2.0 TSF	Pitcher
SS 24		▲	33-20-33	19		115		SAA except greenish gray (GLE Y1 6/5GY), hard, low plasticity, contains trace cemented nodules	At 96.0 feet: End logging by M. Harvey. Begin logging by R. Clark.
SS 25			50/5"	6		120		*CLAY (CL)- Greenish gray (GLE Y1 6/5GY), moist, hard, contains rock fragments, +HCL	End drilling by Warren-MACTEC. Begin drilling by Oglesby-MACTEC (to install casing only) with a CME-75, hammer serial #219907.
SS 26			50/5"	6		125		SAA except light greenish gray (GLE Y1 7/10Y), contains trace cemented nodules	Begin drilling by Bilbrey-Miller with a CME-85, hammer serial #270256
UD 5		○+ — □			24	130		*CLAY, with shells (CL)- Greenish gray (GLE Y1 6/5GY), moist, hard, low plasticity, +HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher
SS 27			3-15-50/4"	18		135		CLAY (CL)- Greenish gray (GLE Y1 6/10Y), moist, hard, low plasticity, +HCL	
SS 28		▲	19-18-17	18		140		SAA except light greenish gray (GLE Y1 7/5GY)	
SS 29		▲	12-18-19	22		145		SAA except contains shells	
UD 6		○			17.5	150		SAA except stiff Pocket Penetrometer: 1.0 TSF, 1.5 TSF, 1.4 TSF	Water level depth at end of 1/23/07 = Ground surface
SS 30		▲	8-12-16	18		155		SAND, with clay (SP-SC)- Very dark greenish gray (GLE Y1 3/10Y), moist, medium dense, very fine grained, nonplastic, -HCL	Water level depth at beginning of 1/24/07 = 32.0 feet Pitcher
SS		▲	12-16-42	20		160		SAA except very dark gray (5Y 3/1), wet, very	Water level depth at end of 1/24/07 = Ground surface Top of Still Branch Formation at a depth of 157.0 feet Water level depth at beginning of 1/29/07 = 29.4 feet
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3001(DH)




GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 8	HOLE NO. B-3001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
31	×					165		dense	
UD 7	■			22		170		SAA except greenish gray (GLE Y1 5/5GY), medium dense Pocket Penetrometer: 1.0 TSF, 0.75 TSF, 0.75 TSF	Pitcher
UD 8	■	□ ⊕ - +		24		175		SAA Pocket Penetrometer: 0.75 TSF, 0.5 TSF, 0.5 TSF	Pitcher
SS 32	×	▲	8-13-21	19		180		SAA except dark greenish gray (GLE Y1 4/10Y)	Water level depth at end of 1/29/07 = Ground surface
SS 33	×	▲	9-18-30	20		185			Water level depth at beginning of 1/30/07 = 23.0 feet
UD 9	■	○		17		190		SAA except dense	
SS 34	×	▲	13-20-22	20		195		SAA Pocket Penetrometer: 4.2 TSF, 3.5 TSF, 3.8 TSF	Pitcher
UD 10	■	□ ⊕ - - - +		19		200		SAA	
						205			
						210		SAA Pocket Penetrometer: 1.8 TSF, 2.5 TSF, 1.9 TSF	Pitcher
						215			Top of Congaree Formation at a depth of 214.5 feet
SS 35	×	▲	40-31-34	20		220		SAND, with silt (SP-SM)- Greenish gray (GLE Y1 5/10Y), wet, very dense, coarse grained, nonplastic, +HCL	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3001(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 5 OF 8	HOLE NO. B-3001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 36	⊗	▲	22-30-45	18	-5.6	225		<b>SILT (ML)</b> - Light gray (GLEY1 7/N), moist, hard, low plasticity, low toughness, micaceous, contains CLAY, -HCL	Water level depth at end of 1/30/07 = Ground surface  Water level depth at beginning of 1/31/07 = 27.0 feet  Pitcher
SS 37	⊗		28-35-50/5.5"	18	-13.6	230		<b>CLAY (CL)</b> - Pale red (10R 7/3) and white (10R 7/3), damp, hard, low plasticity, high toughness, presence of iron staining, -HCL	
UD 11	■			16		235		SAA except white (10R 8/1), moist, +HCL Pocket Penetrometer: 4.0 TSF, >4.5 TSF, 4.4 TSF	
SS 38	⊗	▲	17-22-28	19		240		SAA except white (GLEY1 8/N), reddish brown (2.5YR 5/4), and olive yellow (2.5Y 6/6) mottled, medium toughness, contains calcareous concretions and abundant iron staining, -HCL	
SS 39	⊗	▲	13-23-33	18		245		SAA except dark gray (10YR 4/1), damp, contains trace laminations	
		▲				250			
						255			
						260			
						265			
						270			
						275			
						-53.6			
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-3001(DH)



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 6 OF 8	HOLE NO. B-3001(DH)					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 40	X					10-24-28	17		280		<b>SAND, with clay (SP-SC)</b> - Gray (GLEY1 6/N), wet, very dense, coarse grained/some fine to medium grained, subangular to subrounded, nonplastic, micaceous, -HCL	Water level depth at beginning of 2/2/07 = 62.0 feet  Pitcher	
UD 12	■						24		285		SAA except light gray (10YR 7/1), medium dense, fine to medium grained Pocket Penetrometer: 1.5 TSF, 2.0 TSF, 1.0 TSF		
SS 41	X			▲		25-26-34	16		290		SAA except very dense, medium to coarse grained		
SS 42	X						8		295		SAA except dark gray (10YR 4/1), very fine to fine grained		
SS 43	X					30-50/4.5"			300		SAA except dark gray (10YR 4/1), very fine to fine grained		
SS 44	X			▲		27-43-50/3"	18		305		SAA except dark gray (10YR 4/1), very fine to fine grained		
									-95.6				
									310		<b>SILT (MH)</b> - Dark gray (10YR 4/1), moist, hard, medium plasticity, low to medium toughness, contains trace mica, -HCL		
									315				
									-105.6				
									320		<b>CLAY (CH)</b> - Dark gray (10YR 4/1), moist, hard, high plasticity, contains SAND lenses 1" thick, medium grained, +HCL	Water level depth at end of 2/2/07 = Ground surface	
						9-16-25	17		325			Water level depth at beginning of 2/3/07 = 66.0 feet	
									330				
									-114.6				
									335				
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3001(DH)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 7 OF 8	HOLE NO. B-3001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 45	⊗	▲	12-15-22	18	-120.6	340		<b>SAND, with silt (SP-SM)</b> - Light brownish gray (10YR 6/2), wet, medium dense, coarse grained, nonplastic <b>CLAY (CL)</b> - Very dark gray (GLE Y1 3/N), moist, hard, low plasticity, medium toughness, blocky, contains laminations of SILT, -HCL	Loss of circulation at a depth of 342.0 feet. Added 3 batches of drilling fluid before fluid level stabilized at a depth of 68.0 feet. Circulation never reestablished. Top of Snapp Formation at a depth of 344.0 feet Pitcher Water level depth at end of 2/3/07 = 66.0 feet Water level depth at beginning of 2/4/07 = 64.0 feet
UD 13	■			15.5	-125.6	345		<b>CLAY (CL)</b> - Very dark gray (GLE Y1 3/N), moist, hard, low plasticity, medium toughness, blocky, contains laminations of SILT, -HCL  SAA except light greenish gray (GLE Y1 7/10Y), dry, high toughness Pocket Penetrometer: >4.5 TSF, 4.5 TSF, >4.5 TSF	
SS 46	⊗	▲	20-35-41	22	-145.6	360		SAA except light gray (GLE Y1 7/N), damp, contains iron staining and mica	
SS 47	⊗	▲	23-50/5"	13	-155.6	370		<b>CLAY, with sand (CL)</b> - White (GLE Y1 8/N), moist, hard, low plasticity, fine to medium grained SAND, contains CLAY lenses and mica, -HCL	Experiencing hole collapse and loss of circulation at a depth of 365.0 feet
SS 48	⊗	▲	23-37-50	16		380		<b>CLAY (CL)</b> - Light gray (GLE Y1 7/N), damp, hard, low plasticity, high toughness, contains iron staining, -HCL	
UD 14	■	○		6		390		SAA except very stiff Pocket Penetrometer: 2.0 TSF, 2.5 TSF, 2.5 TSF	Pitcher Water level depth at end of 2/4/07 = 66.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3001(DH)

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>8 OF 8</b>		HOLE NO. <b>B-3001(DH)</b>	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
UD 15					24	-175.6	395		SAND, with clay (SP-SC)- White (GLEY1 8/N), wet, very dense, fine grained, nonplastic, contains CLAY matrix and mica, -HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Water level depth at beginning of 2/5/07 = 64.0 feet  Pitcher		
						-182.1	400		Continue drilling to 420' to serve as a "rathole" before geophysical logging occurs and to allow cuttings to settle since circulation was not reestablished			
						-201.6	420		Boring terminated at 420 feet			

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 5</b>		HOLE NO. <b>B-3002(DH)</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142600.0 E 621872.5</b>		BEGUN <b>11/29/2006</b>		COMPLETED <b>1/25/2007</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>249.9</b>	
GROUND EL. <b>218.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						218.9					
SS 1	X	▲	18-50/4"	7		216.9		GRAVEL (GP) Gravelly and sandy	Top of Fill at a depth of 0.0 feet		
SS 2	X	▲	32-18-22	18				SAA	Top of Barnwell Group at a depth of 2.0 feet		
SS 3	X	□	17-18-20	16		213.4	5	SAND, silty (SM) - Reddish brown (2.5 YR 4/8), dry to damp, dense, fine to medium grained, nonplastic			
SS 4	X	▲	9-12-17	13.5		210.9	10	SAA except dry, contains 1.5" thick layer of SAND, clayey (SC), yellowish red (5YR 5/8) layer			
SS 5	X	▲	8-11-12	15				SAND, silty, clayey (SC-SM) - Mottled reddish brown (2.5YR 4/8) and yellowish red (5YR 5/8), dry, medium dense, fine to medium grained			
SS 6	X	▲	8-11-13	16.5				SAND, silty (SM) - Reddish brown (2.5YR 4/8), dry, medium dense, fine to medium grained, nonplastic			
SS 7	X	▲	8-12-13	15.5		201.9	15	SAA except reddish brown (2.5YR 4/6) and yellowish red (5YR 5/8), contains 2" layer CLAY, sandy (CL), reddish brown (2.5YR 4/8), low plasticity			
SS 8	X	□	10-12-17	11		196.9	20	SAND, silty, clayey (SC-SM) - Yellowish brown (10YR 6/8), dry, medium dense, fine grained, nonplastic, slightly lignitic, calcareous, bottom 5" mottled with reddish brown (2.5YR 5/8)			
SS 9	X	▲	8-9-10	12.5		191.9	25	SAND (SP) - Brown (7.5YR 5/6) and reddish yellow (7.5YR 6/6), damp, medium dense, fine to coarse grained, well graded, nonplastic, calcareous			
SS 10	X	▲	5-6-8	16.5		186.9	30	SAND, silty, clayey (SC-SM) - Yellow (10YR 7/6) and yellowish brown (10YR 5/6), damp, medium dense, fine to medium grained, low plasticity, calcareous			
SS 11	X	▲	6-7-11	15.5		181.9	35	CLAY, silty, sandy (CL-ML) - Yellow (10YR 7/6) and brownish yellow (10YR 6/6), damp, very stiff, low plasticity, fine to medium grained SAND	Water level depth at end of 11/28/06 = Ground surface		
SS 12	X	□	5-9-9	16		176.9	40	*SAND, with silty clay (SP-SC) - Brownish yellow (10YR 6/6) and yellowish brown (10YR 5/6), moist, medium dense, fine to coarse grained, nonplastic to low plasticity, calcareous	Water level depth at beginning of 11/30/06 = 18.5 feet		
SS 13	X	▲	4-4-7	17		171.9	45	SAND, clayey (SC) - Brownish yellow (10YR 6/6) and yellowish brown (10YR 5/6), moist, medium dense, fine to medium grained, medium plasticity			
SS	X	▲	9-9-10	14.5				*SAND, with silty clay (SP-SC) - Brownish yellow (10YR 6/6) and yellowish brown (10YR			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3002(DH)**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 5		HOLE NO. B-3002(DH)				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14												5/6), moist, medium dense, fine to coarse grained, nonplastic, lignitic, calcareous		
SS 15	□	▲				9-14-20		15		55		SAA except with yellow (10YR 7/6), damp, dense, slightly lignitic		
										161.9				
SS 16		▲				10-14-19		13.5		60		<b>SAND, silty (SM)</b> - Yellow (10YR 7/6), light yellowish brown (10YR 6/4), and pink (7.5YR 7/3), damp to moist, dense, fine to coarse grained, nonplastic, lignitic		
										156.9				
SS 17	▲	□	+	○		1-1-2		18		65		<b>*SAND, clayey (SC)</b> - Pale olive (5Y 6/4) and light yellowish brown (2.5Y 6/3), damp, very loose, medium plasticity, fine to medium grained, contains nodules of strong brown (7.5YR 5/8), fine grained SAND, slightly lignitic, -HCL		
SS 18		▲				10-11-20		19		70		SAA		
										146.9				
SS 19		▲				11-16-35		19.5		75		<b>CLAY, silty (CL-ML)</b> - Pale yellow (2.5YR 7/3), moist, hard, nonplastic to low plasticity, contains shell fragments, +HCL		
										142.9				
SS 20						50/3"		2		80		<b>CLAY, silty (CL-ML)</b> - Pale yellow (2.5YR 7/3), moist, hard, nonplastic to low plasticity, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 76.0 feet Loss of circulation at a depth of 76.0 feet	
													Loss of circulation at a depth of 81.0 feet	
SS 21						17-50/2"		7		85		SAA except pale yellow (2.5Y 8/4)		
										133.4		<b>*SILT (MH)</b> - Greenish gray (GLE Y1 5/5GY), dry, hard, fine grained SAND, +HCL	Top of Blue Bluff Marl at a depth of 85.5 feet	
SS 22		○	▲			18-20-32		19.5		90			Loss of approximately 80 gallons of drilling fluid from depths of 85.0 to 87.0 feet End logging by A. Reimer. Begin logging by A. Taylor.	
SS 23						50/4.5"		4		95		SAA except greenish gray (GLE Y1 6/5GY)	End drilling by Christian-MACTEC. Begin drilling by Oglesby-MACTEC (to install casing only) with a CME-75, hammer serial #219907.	
UD 1								24		100		SAA	Begin drilling by Burnett-Gregg Drilling with a CME-850, hammer serial #X02958.	
													Installed 6" steel casing to a depth of 95.0 feet Pitcher	
SS 24						14-50/5"		15		105		SAA		
										111.9				
SITE									Vogtle Units 3 & 4 COL Project				HOLE NO.	
									Final Log				B-3002(DH)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 5		HOLE NO. B-3002(DH)			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25		⊕	---	⊠	+	12-20-50/3"	21		110		*CLAY, with sand (CH)- Greenish gray (GLE Y1 6/5GY), dry, hard, high plasticity, contains shell fragments, +HCL	Pitcher	
UD 2		⊕	⊠	---	+			106.9	115		*SAND, silty (SM)- Greenish gray (GLE Y1 6/5GY), moist, high plasticity, contains shell fragments, +HCL		
SS 26						20-40-50/4"	26		120		SAA except greenish gray (GLE Y1 6/10Y), dry, very dense, contains 6" seam of SAND (SP), greenish gray (GLE Y1 5/5GY)	Water level depth at beginning of 1/12/07= 11.5 feet	
SS 27		+	---	+		18-42-38	26		125		*SILT (MH)- Greenish gray (GLE Y1 6/10Y), dry, very hard, contains 6" seam of SAND (SP), greenish gray (GLE Y1 5/5GY)	Loss of circulation at a depth of 125.0 feet	
SS 28		▲				9-9-32	20		130		SAA except damp, hard	Installed 4" steel casing to a depth of 132.0 feet. Changed from 5 7/8" to 3 7/8" tri cone roller bit. Changed from NWJ rods to AWJ rods.	
SS 29		▲				10-16-18	25		135		SAA		
SS 30		▲				10-17-17	25		140		SAA except +HCL		
SS 31		▲				18-23-23	27		145		SAA		
SS 32		▲				10-18-23	24		150		SAA		
SS 33						31-50/5"	10		155		SAND, with silt (SP-SM)- Greenish gray (GLE Y1 3/10GY), wet, very dense, fine grained, contains traces of phosphate grains, -HCL	Water level depth at end of 1/19/07= 24.5 feet End logging by A. Taylor. Begin logging by M. Herrera. Top of Still Branch Formation at a depth of 153.0 feet	
SS 34		▲				12-17-24	13		160		SAA except very dark greenish gray (GLE Y1 3/10Y), moist, dense, contains dark greenish gray CLAY seams, -HCL		
SS						50/4"	4				SAA except light greenish gray (GLE Y1		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3002(DH)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 5	HOLE NO. B-3002(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
35						165		5/10Y), wet, very dense, contains SILT seam	
SS 36	⊗		▲ 50/3"	6		170		SAA except light greenish gray (GLE Y1 5/10Y), contains traces of phosphate grains and fine grained SAND	
SS 37	⊗	▲	9-15-25	18	41.9	175		SAND, clayey (SC)- Light greenish gray (GLE Y1 3/10Y), moist, dense, fine grained, containse traces of shell fragments, -HCL	
UD 3	■			24		180		SAA except light greenish gray (GLE Y1 5/5GY) and dark greenish gray (GLE Y1 3/5GY), moist to wet	Direct Push
SS 38	⊗	▲	20-27-29			185		SAND, with silt (SP-SM)- Very dark greenish gray (GLE Y1 3/10Y), very dense, fine grained, contains some CLAY seams	
SS 39	⊗		▲ 10-50/6"	13		190		CLAY, sandy (CL)- Dark greenish gray (GLE Y1 4/10Y), moist, hard, medium plasticity, fine grained SAND, -HCL	
SS 40	⊗		▲ 26-50/6"	10		195		SAND, clayey (SC)- Very dark greenish gray (GLE Y1 3/5GY), moist, very dense, fine grained, rounded, -HCL	Water level depth at end of 1/23/07 = 18.0 feet
						200			
						205			
						210			
						215			
						220			Top of Congaree
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-3002(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 5 OF 5		HOLE NO. B-3002(DH)		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 41						▲ 50/3"	2		225		<b>SAND (SP)</b> - Light greenish gray (GLE Y1 7/10Y), wet, very dense, coarse grained, sub-rounded, -HCL	Formation at a depth of 220.0 feet	
SS 42						▲ 50/4"	4		230		<b>SAND, with silt (SP-SM)</b> - Greenish gray (GLE Y1 6/10Y), wet, very dense, medium to coarse grained, sub-rounded, -HCL		
UD 4 SS 43						▲ 50/5"	0 3		240		<b>NO RECOVERY</b>	Direct Push	
SS 44						▲ 20-30-50/5"	19		245		<b>SAND (SP)</b> - Greenish gray (GLE Y1 6/10Y to 5/10Y), wet, very dense, medium to coarse grained, sub-rounded, -HCL		
									249.92		<b>SAND, with silt (SP-SM)</b> - Light greenish gray (GLE Y1 7/10Y), moist, very dense, fine to coarse grained, -HCL Boring terminated at 249.92 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3002(DH)	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>B-3002A</b>	
LOGGED BY <b>A. Taylor</b>				COORDINATES <b>N 1142597.9 E 621878.8</b>				BEGUN <b>1/17/2007</b>		COMPLETED <b>1/17/2007</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>5 Inches</b>		HAMMER SERIAL NUMBER <b>X02958</b>		TOTAL DEPTH <b>21.5</b>			
GROUND EL. <b>218.8</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>									

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6"   2nd 6"   3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80	1st 6"	2nd 6"	3rd 6"						
										218.8				
													STRAIGHT AUGER BORING FROM 0' TO 13.5'	
													BORING PERFORMED FOR SPT ENERGY TESTING ONLY	
SS 1	⊗	▲							12-14-18	16	205.3			<b>SAND (SP)</b> - Red (10R 4/6), dry, dense, medium grained
SS 2	⊗	▲							12-16-16	22	198.8			SAA except red (10R 4/6) and reddish yellow (5YR 7/6)
SS 3	⊗			▲					15-29-44	14	197.3			<b>SAND, with silty clay (SP-SC)</b> - Red (10R 4/6) and reddish yellow (5YR 7/6), dry, very dense, fine to medium grained
														Boring Terminated at 21.5 feet

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3002A</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 5</b>		HOLE NO. <b>B-3003(DH)</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142599.9 E 621727.3</b>		BEGUN <b>11/27/2006</b>		COMPLETED <b>2/7/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>250.0</b>	
GROUND EL. <b>218.3</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					218.3				
SS 1	X	▲ □	8-18-12	15			218.0			GRAVEL, silty (GP-GM)- Bed of roadway SAND (SP) - Red (2.5YR 5/8), dry, medium dense *SAND, clayey (SC)- Red (2.5YR 5/8), dry, medium dense, contains CLAY seams *SAND, silty (SM)- Red (2.5YR 4/D), dry, medium dense SAA except yellowish red (5YR 5/8) SAA SAA SAA except red (2.5YR 4/6) SAA except dense SAA except very pale brown (10YR 8/3) to brown (10YR 5/3), fine to medium grained SAA *SILT, sandy (ML)- Mottled pale yellow (2.5Y 8/3) and reddish yellow (7.5YR 6/8), dry, stiff *SAND, with silt (SP-SM)- Pale yellow (2.5Y 7/4), dry, medium dense SAA except yellow (10YR 7/6) SAA	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet  Water level depth at beginning of 11/28/06 = Borehole dry
SS 2	X	▲	10-13-10	12		216.8					
SS 3	X	▲	8-12-13	9		215.0					
SS 4	X	▲	12-8-12	10							
SS 5	X	▲	3-5-12	6							
SS 6	X	▲	10-10-10	12							
SS 7	X	▲	11-11-11	9							
SS 8	X	▲	12-15-27	10							
SS 9	X	□ ▲	12-15-17	10							
SS 10	X	▲	12-15-17	10							
SS 11	X	▲ □	6-7-8	17		186.3					
SS 12	X	▲	6-8-11	12		181.3					
SS 13	X	▲	10-9-8	14							
SS	X	▲	4-8-12	18							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 5	HOLE NO. B-3003(DH)
SAMP. TYPE AND NO.	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	+	+
14									
SS 15		SAA		12-20-10	11	161.3	55		
SS 16		*SAND, silty (SM)- Very pale brown (10YR 7/3), damp, dense		10-20-10	18		60		
SS 17		SAA except yellow (10YR 8/6), moist		8-9-11	15	151.8	65		
SS 18		SAND (SP)- Very pale brown (10YR 8/4), moist, dense, contains shell hash		25-16-16	17	146.3	70		
SS 19		SAND, clayey (SP-SC)- Very pale brown (10YR 8/4), moist, dense, contains shell hash		10-15-16	18	141.3	75		
SS 20		*SHELL HASH, silty (GM)- Very pale yellow (2.5Y 8/3), wet, very dense	Top of Utley Limestone at a depth of 77.0 feet	50/4"	5		80		
SS 21		SAA	Loss of circulation at a depth of 83.0 feet	50/2"	2		85		
SS 22		*SILT (MH)- Dark greenish gray (GLEYS 4/5GY), hard	Top of Blue Bluff Marl at a depth of 88.5 feet	15-16-16	18	129.8	90		
SS 23		SAA except very stiff		2-7-12	18		95		
UD 1		NO RECOVERY	Installed 6" steel casing to a depth of 98.0 feet. Casing installed by Graves Drilling. End logging by M. Harvey. Begin logging by M. Herrera.		0	121.3	100		
UD 2		*CLAY (CL)- Greenish gray (GLEYS 5/10Y), wet, hard, contains shell fragments, +HCL Pocket Penetrometer: >4.5 TSF	End drilling by Warren-MACTEC. Begin drilling by Burnett-Gregg Drilling with a Froste		27	116.3	105		
SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3003(DH)					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 5	HOLE NO. B-3003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
UD 3				21		110		SAA except greenish gray (GLE Y1 6/10Y)	XDML, hammer serial #X02958 Pitcher Pitcher Pitcher
SS 24			▲ 12-50/6"	18.5	106.3	115		*CLAY, with cemented layers (CL)- Light greenish gray (GLE Y1 7/10Y), wet, hard, low plasticity, contains cemented layers and shell fragments, +HCL	
SS 25			▲ 44-50/1"	12	101.3	120		*CLAY (CL)- Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, contains shell fragments, +HCL	
SS 26			19-31-26	18		125		SAA except low plasticity	Water level depth at end of 1/30/07 = Ground surface
SS 27			14-15-25	18		130		SAA except medium plasticity	Water level depth at beginning of 1/31/07 = 10.0 feet
UD 4				29		135		SAA except light greenish gray (GLE Y1 7/10Y)	Pitcher
SS 28			15-23-22	18		140		SAA except greenish gray (GLE Y1 6/10Y) to light olive gray (5Y 6/2), low plasticity	
SS 29			▲ 23-50/6"	9		145		SAA except light greenish gray (GLE Y1 7/10Y) to light gray (5Y 7/2)	
UD 5				28.5	71.3	150		*CLAY (CH)- Light greenish gray (GLE Y1 7/10Y) to light gray (5Y 7/2), damp, hard, high plasticity	Pitcher
SS 30			16-30-32	16	66.3	155		SAND, clayey (SC)- Very dark greenish gray (GLE Y1 3/10Y), moist, very dense, fine grained, -HCL	Top of Still Branch Formation at a depth of 152.0 feet
UD				20		160		SAA except greenish gray (GLE Y1 6/10Y)	Pitcher
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3003(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 5	HOLE NO. B-3003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
6						165			Water level depth at end of 1/31/07 = Ground surface
						49.3			Water level depth at beginning of 2/5/07 = 18.0 feet
SS 31	×	▲	9-15-26	18		170			
						175		<b>SAND, with silt (SP-SM)</b> - Very dark greenish gray (GLE Y1 3/10Y), moist, dense, fine grained, rounded, -HCL	
						39.3			
SS 32	×	▲	8-30-35	18		180			
						185		<b>SAND, silty (SM)</b> - Very dark greenish gray (GLE Y1 3/10Y), moist, very dense, fine grained, rounded, -HCL	
						190			
SS 33	×	▲	8-18-27			195		SAA except dark greenish gray (GLE Y1 4/10Y), dense	Water level depth at end of 2/5/07 = Ground surface
						19.3			Water level depth at beginning of 2/6/07 = 17.5 feet
SS 34	×	▲	35-50/3"	7		200			
						205		<b>SAND, with silt (SP-SM)</b> - Greenish gray (GLE Y1 5/10Y), moist, very dense, medium grained, rounded, -HCL	
						210			
UD 7				24		215		SAA except fine to medium grained	Pitcher
						3.3		<b>CLAY (CL)</b> - White (GLE Y1 8/N), damp, hard, medium plasticity, -HCL	Top of Congaree Formation at a depth of 215.0 feet
						220			
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3003(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 5 OF 5	HOLE NO. B-3003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 35	⊗		▲ 2-35-50/5"	18		225		SAA except white (GLEY1 8/N) to light greenish gray (GLEY1 8/10Y), dry	
SS 36	⊗	▲	10-22-30	18		230		SAA except red (10R 5/6) and light red (10R 7/6)	
SS 37	⊗	▲	14-22-24	18		235			
SS 38	⊗	▲	10-20-25	18		240			
						245		CLAY, silty (CL-ML)- Pale red (10R 7/3), white (GLEY1 8/N), and light greenish gray (GLEY1 8/10Y), dry, hard, -HCL	Water level depth at end of 2/6/07 = Ground surface
						250		SAA except red (10R 5/6) and white (GLEY1 8/N), damp Boring terminated at 250 feet	Water level depth at beginning of 2/7/07 = 16.5 feet
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-3003(DH)

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3004</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1142447.4 E 621867.1</b>		BEGUN <b>2/28/2007</b>		COMPLETED <b>3/3/2007</b>			
DRILLER <b>Bilbrey-MILLER DRILLING</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>160.0</b>	
GROUND EL. <b>218.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				218.5					
SS 1	X	▲	3-16-22	16		216.4			<b>GRAVEL, with sand (GP)-</b> Brown (7.5YR 5/3), damp, dense, angular, GRAVEL parking area	Top of Fill at a depth of 0.0 feet  Top of Barnwell Group at a depth of 2.1 feet	
SS 2	X		11-10-10	18				SAA			
SS 3	X	□	11-13-9	15				<b>*SAND, clayey (SC)-</b> Red (2.5YR 5/6), damp, medium dense, very fine grained, nonplastic			
SS 4	X	▲	8-11-12	17			5	SAA except moist			
SS 5	X	▲	7-14-14	16			10	SAA			
SS 6	X	▲	8-12-11	17			15	SAA			
SS 7	X	▲	9-11-11	17				SAA except fine to medium grained, subrounded			
						201.5					
SS 8	X	□	8-9-12	18					<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/8), moist, medium dense, very fine grained, nonplastic		
SS 9	X	▲	5-12-18	14					SAA except yellow (10YR 7/6), damp, dense		
						191.5					
SS 10	X	▲	3-9-11	15					<b>SAND, with clay (SP-SC)-</b> Reddish yellow (7.5YR 6/6), moist, medium dense, very fine grained, contains 1" CLAY lenses		
						186.5					
SS 11	X	▲	2-2-5	18					<b>*SAND, clayey (SC)-</b> Yellow (10YR 7/6), moist, loose, low toughness, very fine grained, low plasticity, contains trace dark organics		
SS 12	X	▲    □    +	3-3-4	17					SAA except no organics		
						176.5					
SS 13	X	▲	4-2-4	18					<b>SAND, with clay (SP-SC)-</b> Yellow (10YR 7/6), moist, loose, very fine grained, nonplastic/ <b>CLAY (CL)-</b> Yellow (10YR 7/6), moist, medium stiff, low plasticity		
						171.5					
SS	X	▲	3-8-7	17					<b>*SAND, clayey (SC)-</b> Pale yellow (2.5Y 8/4), moist, medium dense, very fine grained,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3004**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3004
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								nonplastic, contains iron staining	
SS 15	▲		8-8-8	16		55		SAA except pale yellow (10YR 8/4)	
SS 16	□	▲	10-10-14	15		60		SAND, with silt (SP-SM)- Yellow (10YR 7/6), wet, medium dense, very fine grained, nonplastic	
SS 17	▲		WOR/6"-WOH/12"			65		CLAY, with sand (CL)- Pale yellow (5Y 8/3), moist, very soft, low plasticity, low toughness, contains very fine SAND lenses	Loss of circulation at a depth of 63.5 feet
SS 18	▲	○	1-2-4	18		70		SAA except pale yellow (5Y 8/2), medium stiff, contains trace shells, +HCL	
SS 19	▲		6-7-7	18		75		SAND, with clay (SP-SC)- Pale yellow (5Y 8/2), moist, medium dense, very fine grained, nonplastic, +HCL	Water level depth at end of 2/28/07 = 65.0 feet
SS 20			50/1"	0		80		NO RECOVERY	Water level depth at beginning of 3/2/07 = 63.0 feet
SS 21			50/0"	0		85		NO RECOVERY	Top of Utley Limestone at a depth of 78.0 feet
SS 22	▲		3-7-18	20		90		*SILT (MH)- Light yellowish brown (2.5Y 8/2) and dark greenish gray (GLE Y1 4/5GY), moist, very stiff, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 86.4 feet
UD 1		○		30		95		SAA except dark greenish gray (GLE Y1 4/5GY), damp, high toughness, contains cemented fragments Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher
SS 23	○	+	50/4"	4		100		SAA except greenish gray (GLE Y1 5/5GY), moist, hard	
SS 24	▲		18-41-37	20		105		SAA except medium toughness	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3004



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3004
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25			▲ 50/.5"	0.5		110		SAA except, dry, very hard	
UD 2		○		16		115		SAA except moist, hard	Pitcher
SS 26	⊗	+ - - + □	▲ 17-31-50/3"	16		120		SAA	
SS 27	⊗		▲ 50/3"	3		125		SAA except greenish gray (GLE Y1 5/10Y), damp	
SS 28	⊗		▲ 50/2"	2		130		SAA except contains angular cemented marl	Water level depth at end of 3/2/07 = Ground surface
SS 29	⊗		▲ 22-37-50/1"	17		135		SAA except light olive gray (5Y 6/2), moist	Water level depth at beginning of 3/3/07 = Ground surface
SS 30	⊗	▲	22-31-40	20		140		SAA	
SS 31	⊗		▲ 18-37-50/1"	15		145		SAA	
SS 32	⊗	▲	12-17-21	19		150		SAA	
SS 33	⊗	▲	13-15-22	20		155		SAA except light gray (5Y 7/2), contains trace angular cemented fragments	
SS 34	⊗	▲	32-41-39	15		61.5			
						58.5		SAND, with clay (SP-SC)- Very dark greenish gray (GLE Y1 3/5GY), wet, very dense, fine grained, nonplastic, -HCL Boring terminated at 160 feet	Changed from a 5 7/8 inch to a 2 7/8 inch drilling bit. Top of Still Branch Formation at a depth of 157.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3004

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3005</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1142717.6 E 621749.1</b>		BEGUN <b>2/9/2007</b>		COMPLETED <b>2/13/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>219.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						219.2					
SS 1	X	▲	2-3-4	18		217.7			<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), dry to moist, loose, fine grained, contains wood	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	○	5-12-14	15.5		216.0		<b>CLAY, silty (CL-ML)</b> - Red (10R 4/8), dry to damp, very stiff			
SS 3	X	○ □ +	4-7-11	17.5			5	<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), dry to damp, medium dense, contains CLAY seams			
SS 4	X	▲	9-12-17	16				SAA			
SS 5	X	▲	10-18-18	15.5			10	SAA except red (2.5YR 5/8), dense			
SS 6	X	○ □ ▲	11-16-19	15		208.2		<b>*SAND, silty (SM)</b> - Red (2.5YR 4/8), dry to damp, dense, contains CLAY seams			
SS 7	X	▲	7-12-15	15			15	SAA except strong brown (7.5YR 5/8), medium dense			
SS 8	X	▲	8-10-11	14			20	SAA except red (2.5YR 4/8), dry to damp, fine to medium grained, contains CLAY lenses			
SS 9	X	○ □ ▲ +	8-12-15	11		197.2		<b>*SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine to medium grained, contains CLAY lenses			
SS 10	X	▲	10-12-11	9			25	SAA except strong brown (7.5YR 5/8)			
SS 11	X	▲	6-6-7	14		187.2		<b>CLAY, silty with sand (CL-ML)</b> - Yellowish brown (10YR 5/8), dry to damp, stiff, contains SAND seams			
SS 12	X	▲	4-5-6	15			35	SAA except brownish yellow (10YR 6/8)			
SS 13	X	▲	3-5-6	17			40	SAA except yellowish brown (10YR 5/6)			
SS	X	○ □ ▲	5-8-7	12		172.2		<b>*SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 5/8), damp, medium dense, fine to			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3005**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					167.2			medium grained, low plasticity	
SS 15	▲		2-3-4	18		55		<b>CLAY, silty (CL-ML)</b> - Olive yellow (2.5Y 6/6), dry to damp, medium stiff, low plasticity, -HCL	
SS 16	▲		4-8-8	15		60		<b>SAND, clayey (SC)</b> - Light yellowish brown (10YR 6/4), damp, medium dense, fine grained, low plasticity	
SS 17	▲		8-14-19	10		65		SAA except light yellowish brown (10YR 6/6), dense, fine to medium grained, contains SAND and CLAY seams, -HCL	
SS 18	▲		3-3-4	18		70		<b>CLAY, silty (CL-ML)</b> - Olive yellow (2.5Y 6/6), dry to damp, medium stiff, low plasticity, contains SAND seams, -HCL	
SS 19	▲		3-4-5	18		75		SAA except pale yellow (5Y 7/3)	
SS 20	▲		6-6-6	17		80		<b>SAND, clayey (SC)</b> - Olive gray (5Y 4/2), damp, medium dense, fine to medium grained, low plasticity, contains CLAY seams, -HCL	Reamed borehole to 75.0 feet
SS 21			50/1"	0.5		85		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/4), damp, very dense, fine to medium grained, low plasticity, contains shell fragments and trace phosphate grains, +HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 22			50/2"	2		90		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/10GY), damp, hard, contains trace shell fragments and phosphate grains, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
UD 1		○		9		95		SAA except greenish gray (GLE Y1 4/10GY to 4/10Y)	Water level depth at end of 2/9/07 = Top of Casing
SS 23	▲	○	9-13-15	18		105		<b>*SILT (MH)</b> - Greenish gray (GLE Y1 5/10GY), damp, hard, contains trace shell fragments and phosphate grains, +HCL	Pitcher Water level depth at beginning of 2/12/07 = 44.0 feet
					SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-3005</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 24	×		▲ 50/5"	9		110		SAA except greenish gray (GLE Y1 5/5GY), dry to damp	
UD 2	■			10.5		115		SAA except greenish gray (GLE Y1 4/10GY), damp, contains cemented SAND with limestone	Pitcher
UD 3	■	○		23		120		SAA except greenish gray (GLE Y1 6/5GY)	Water level depth at end of 2/12/07 = Top of Casing Pitcher
SS 25	×	+ ○ + □	▲ 50/2"	5		125		*CLAY, with sand (CH)- Greenish gray (GLE Y1 5/10Y, damp, hard, contains trace shell fragments and phosphate grains, +HCL	Water level depth at beginning of 2/13/07 = 32.0 feet
SS 26	×		▲ 13-50/6"	16		130		SAA except greenish gray (GLE Y1 5/5GY)	
SS 27	×	▲	18-17-19	18		135		SAA	
UD 4	■	+ ○ + □		28.5		140		**CLAY (CH)- Greenish gray (GLE Y1 5/5G to 5/5GY), damp, hard, contains trace shell fragments, +HCL	Pitcher
SS 28	×		▲ 9-17-50/5"	18		145		SAA except greenish gray (GLE Y1 7/10Y), dry to damp, contains fine grained SAND traces	
SS 29	×	▲	12-15-14	18		150		SAA except very stiff	
SS 30	×	▲	22-27-30	14		155		SAND, silty (SM)- Very dark greenish gray (GLE Y1 3/10Y), damp to moist, very dense, fine grained, -HCL Boring terminated at 155 feet	Top of Still Branch Formation at a depth of 150.5 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3005

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3006</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142425.6 E 621925.0</b>		BEGUN <b>11/30/2006</b>		COMPLETED <b>12/7/2006</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>217.6</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20   40   60   80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						217.6					
SS 1	X	▲	5-16-12	7		216.1			<b>SAND AND GRAVEL</b> - presence of roots	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet	
SS 2	X		7-21-25	12		215.1		<b>SAND, silty (SM)</b> - Dark red (2.5YR 3/6), dry, dense, nonplastic, medium grained			
SS 3	X	▲	6-10-23	15			5	<b>SAND, silty, clayey (SC-SM)</b> - Strong brown (7.5YR 4/6), dry, dense, nonplastic, fine to medium grained			
SS 4	X	□	10-14-21	17				SAA except red (2.5YR 4/6) SAA			
SS 5	X	▲	8-15-18	16			10	SAA except dry to moist			
SS 6	X	▲	9-15-16	13.5				SAA except dry			
SS 7	X	▲	8-14-16	14			15	SAA			
SS 8	X	▲	7-10-15	13			20	SAA except medium dense	Installed casing to a depth of 10.0 feet Water level depth at end of 11/30/06 = Ground surface Water level depth at beginning of 12/01/06 = 3 feet		
SS 9	X	□	8-12-17	14.5		195.6	25	<b>*SAND, silty (SM)</b> - Strong brown (7.5YR 5/6), damp, medium dense, nonplastic, fine to coarse grained, contains strong brown (7.5YR 5/6) clay lenses			
SS 10	X	▲	6-10-11	16		190.6	30	<b>SAND, silty, clayey (SC-SM)</b> - Yellowish brown (10YR 5/6), damp, very stiff, nonplastic			
SS 11	X	▲	6-8-9	15		180.6	35	SAA except yellow (10YR 6/6), dry to damp, medium dense, fine to medium grained			
SS 12	X	▲	3-6-10	14		175.6	40	<b>CLAY, with sand (CL)</b> - Light yellowish brown (10YR 6/6), moist, very stiff, nonplastic			
SS 13	X						45	<b>SAMPLE NOT TAKEN</b>			
SS	X	▲	4-8-8	17		170.6		<b>*SAND, with silty clay (SP-SC)</b> - Brownish yellow (10YR 6/6) and yellowish red (5YR			Water level depth at end of 12/1/06 = Ground surface Water level depth at beginning of 12/5/06 = 39.8 feet
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE						SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3006</b>	

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3006
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								5/6), damp, medium dense, nonplastic, fine to coarse grained, slightly lignitic	
SS 15	☐	▲	7-12-18	16.5		55		SAA except brownish yellow (10YR 6/6) and yellow (10YR 8/6), -HCL	
SS 16	☐	▲	9-15-19	15		60		SAA except brownish yellow (10YR 6/6) and yellow (10YR 7/6), damp to moist, dense	
SS 17	▲		3-4-7	18.5	155.6	65		CLAY, sandy (CL)- Pale yellow (2.5Y 8/3), damp to moist, stiff, low plasticity, fine to medium grained SAND, -HCL	
SS 18	☐	▲	8-14-16	21	150.6	70		SAND, with silty clay (SP-SC)- Pale yellow (2.5Y 8/2), damp, medium dense, nonplastic, contains shell fragments, fine to medium grained, +HCL	
SS 19	☐	▲	6-9-23	22	145.6	75		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/2), damp, hard, nonplastic, contains shell fragments, +HCL	Water level depth at end of 12/5/06 = Ground surface
SS 20			50/2"	1	139.1	80		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/2), damp to moist, hard, nonplastic, contains shell fragments, +HCL	Water level depth at beginning of 12/6/06 = 64.75 feet Top of Utley Limestone at a depth of 78.5 feet Advanced casing to a depth of 15.0 feet
SS 21	☐		12-50/4"	10.5	129.6	85		SAA except pale yellow (2.5Y 8/2 and 8/4) and olive yellow (2.5Y 6/6), moist	
SS 22	☐		2-26-50/5"	12		90		*SILT, with sand (MH)- Greenish gray (GLE Y1 5/5GY), dry, hard, contains sandy and cemented layers, +HCL	Top of Blue Bluff Marl at a depth of 88 feet
SS 23	○	☐	29-35-50	26		95		SAA	
SS 24		▲	16-36-38	27		100		SAA except contains shell fragments	
SS 25	○	☐	15-17-27	27	115.6	105		*SILT (MH)- Greenish gray (GLE Y1 5/5GY), dry, hard, contains sandy and cemented layers, +HCL	
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3006

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3006
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	✕		▲ 50/3" 3		110		SAA		
SS 27	✕	▲	19-26-36 24		115		SAA		
SS 28	✕		▲ 28-50/2" 13		120		SAA		
SS 29	✕		▲ 6-50/5" 10		125		SAA		
SS 30	✕	⊕ - + □	▲ 15-50/3" 16		90.6			Water level depth at end of 12/6/06 = Ground surface	
SS 31	✕	▲	11-12-23 23		130		*CLAY (CL)- Greenish gray (GLEY1 6/10Y), dry, hard, nonplastic, contains sandy and cemented layers, +HCL	Water level depth at beginning of 12/7/06 = 70.25 feet	
SS 32	✕	▲	16-22-26 27		135		SAA		
SS 33	✕	○ + □ - +	▲ 45-38-50/5" 27		140		SAA		
SS 34	✕	▲ - - + □	9-12-13 27		145		*SAA except contains sandy and cemented layers, +HCL		
SS 35	✕	▲	29-33-37 18		70.6				
					65.6		*CLAY, with sand (CH)- Greenish gray (GLEY1 6/10Y), dry to damp, very stiff, contains shell fragments and sandy and cemented layers		
					62.6		SAND, silty (SM)- Very dark greenish gray (GLEY1 3/5GY), damp, very dense, nonplastic, fine to medium grained, -HCL	Top of Still Branch Formation at a depth of 152 feet	
					155		Boring terminated at 155 feet		
SITE				Vogtle Units 3 & 4 COL Project				HOLE NO.	
				Final Log				B-3006	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3007</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142718.5 E 621876.7</b>		BEGUN <b>11/15/2006</b>		COMPLETED <b>11/29/2006</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>159.8</b>	
GROUND EL. <b>220.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							220.8				
SS 1	X	▲		6-9-10	10		219.8		●	<b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet. Top of Barnwell Group at a depth of 1.0 feet.
SS 2	X	▲		8-10-12	12.5					<b>SAND, silty (SM)</b> - Red (10R 4/8), dry, medium dense, fine to medium grained, non-plastic	
SS 3	X	▲		12-13-12	15			5		SAA except mottled with light red (10R 6/6)	
SS 4	X	▲		11-12-16	12					<b>SAND</b> SAA	
SS 5	X	▲		7-7-9	14			10		SAA except red (2.5 YR 4/6), dry to damp, fine to coarse grained, low plasticity	
SS 6	X	▲		6-8-9	14					SAA except red (2.5 YR 4/6) and yellowish brown (10YR 5/8), damp	
SS 7	X	▲		8-5-9			206.3	15		SAA	
							203.8			<b>SAND, silty, clayey (SC-SM)</b> - Red (2.5 YR) and yellowish brown (10YR 5/8), mottled, damp, medium dense, fine to medium grained, low plasticity	
SS 8	X	▲		12-14-17	14			20		<b>*SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/8) and light yellow brown (10YR 7/8), damp, dense, fine to coarse grained, subrounded, non-plastic, lignitic, calcareous mineralization	
SS 9	X	▲		7-6-8	12			25		SAA except brown (7.5YR 5/6), medium dense, contains 1/2" thick clay lenses	
							193.8				
SS 10	X	▲		1-2-4	17.5			30		<b>CLAY, sandy (CL)</b> - Light brown (10YR 7/6), damp, loose, fine grained, low plasticity	
SS 11	X	▲		4-5-7	18			35		<b>SAND, silty, clayey (SC-SM)</b> - Light yellowish brown (10YR 7/6), damp to moist, medium dense, fine to medium grained, low to moderate plasticity	
SS 12	X	▲		6-4-3	15		181.8	40		SAA	
							178.8			<b>CLAY (CH)</b> - Light yellowish brown (10YR 6/6), moist, loose, medium plasticity	
SS 13	X	▲		3-4-5	20			45		<b>*SAND, with silty clay (SP-SC)</b> - Light yellowish brown (10YR 7/6), moist, loose, low plasticity, very fine to fine grained	
SS	X	▲		7-6-7	15.5					SAA except medium dense, fine to medium grained	




PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3007**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3007
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.8				
SS 15	⊗	▲	15-40-47	13.5		55		<b>SAND (SP)</b> - Brownish yellow (10YR 6/6) and tan (2.5Y 8/4), damp, very dense, fine to coarse grained, subrounded, non-plastic, slightly lignitic	
SS 16	⊗	▲	3-4-19	18		60		<b>SAND, with clay (SP-SC)</b> - Light tan (12.5Y 8/2) and light yellowish brown (2.5Y 7/6), damp, fine to medium grained, contains shell fragments	
SS 17	⊗	▲	9-17-15	24		65		<b>CLAY, silty, sandy (CL-ML)</b> - Light brown/tan (2.5YR 8/2), moist, hard, contains shell fragments up to 1" in diameter	
SS 18	⊗	▲	6-9-18	18		70		<b>CLAY, silty with sand (CL-ML)</b> - Light brown/tan (2.5YR 8/2), moist, very stiff, contains shell fragments up to 0.2" in diameter	
SS 19	⊗	▲	14-21-21	16		75		SAA except light brown/tan (2.5YR 8/2) and pink (10R 8/2), mottled, damp to moist, hard, contains shell fragments < 0.1" in diameter	
SS 20	⊗	▲	27-10-50/4"	12		80		<b>CLAY, silty with sand (CL-ML)</b> - Light brown/tan (2.5YR 8/2) and pink (10R 8/2), mottled, damp, hard, contains pebble size shell fragments	Water level depth at end of 11/15/2006 = Ground surface
SS 21	⊗	▲	50/3"	0		85		<b>NO RECOVERY</b>	Top of Utley Limestone at a depth of 78.0 feet. Water level depth at beginning of 11/16/2006 = 32.74 feet Loss of approximately 100 gallons of drilling fluid during drilling between depths of 75.0 and 80.0 feet.
SS 22	⊗	▲	20-34-50/4"	21		90		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 5/5GY), dry, hard, non-plastic	Reamed hole and installed 4 inch casing to a depth of 80.0 feet. Lost 450 gallons of drilling fluid during casing installation.
SS 23	⊗	▲	12-21-20	22		95		<b>*SILT (MH)</b> - Greenish gray (GLEY1 5/5GY), dry to damp, hard	Loss of approximately 80 gallons of drilling fluid at a depth of 88.5 feet. Top of Blue Bluff Marl at a depth of 86.5 feet.
SS 24	⊗	▲	16-18-19	21		100		SAA except contains shell fragments < 0.25" in diameter	Added an additional 5 feet of casing. Bottom of casing now at a depth of 85.0 feet.
SS 25	⊗	▲	50/1"	1		105		SAA	Water level depth at end of 11/16/2006 = Ground surface Lost approximately 60 gallons of drilling fluid during drilling between depths of 86.5 and 93.5 feet. Water level depth at beginning of 11/27/2006 = 67.0
					113.8				
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3007

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3007
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	12-18-22	23		110		<b>*CLAY (CH)</b> - Greenish gray (GLE Y1 5/5GY), dry to damp, hard	feet Water level depth at end of 11/27/2006 = Ground surface Water level depth at beginning of 11/28/2006 = 57.33 feet
SS 27	⊗		50/2"	1.5		108.8			
SS 28	⊗	▲	26-18-42	20		115		<b>SILT, with sand (CL-ML)</b> - Greenish gray (GLE Y1 5/5GY), dry, hard, contains cemented layers and shell fragments <0.25" in diameter	
SS 29	⊗	▲	7-10-14			103.8			
SS 30	⊗	▲	10-50/3"	16.5		120		<b>SILT (ML)</b> - Greenish gray (GLE Y1 6/10Y), dry, hard, cemented, contains shell fragments <0.25" in diameter, calcareous mineralization	
SS 31	⊗	▲	50/4.5"	7		125		SAA except, dry to damp, very stiff, contains shell fragments <0.1" in diameter	
SS 32	⊗	▲	12-12-22	22		125		SAA except hard	
SS 33	⊗	▲	18-37-35	20		130		SAA except contains shell fragments <0.1" in diameter	Loss of circulation at a depth of 131.0 feet. Lost approximately 120 gallons of drilling fluid. Obtained good fluid return at a depth of 133.0 feet.
SS 34	⊗	▲	11-12-21	23		135		SAA except does not contain shell fragments, +HCL	
SS 35	⊗	▲	12-18-31	21.5		140		SAA	Loss of approximately 80 gallons of drilling fluid from depths of 141.0 to 142.5 feet.
SS 36	⊗	▲	26-48-50/4"	16		145		<b>*CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 7/10Y), damp, hard, +HCL	Loss of approximately 50 gallons of drilling fluid from depths of 145.0 to 147.0 feet.
						73.8		SAA	
						150		<b>SAND, silty (SM)</b> - Very dark greenish gray (GLE Y1 3/5GY), moist, very dense, fine to medium grained, well graded, contains traces of CLAY	Water level depth at end of 11/28/2006 = Ground surface Top of Still Branch at a depth of 157.5 feet. Water level depth at beginning of 11/29/2006 = 59.6 feet
						155		Boring terminated at 159.83 feet.	
						63.3			
						61.0			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3007



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3008</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142425.4 E 621773.0</b>		BEGUN <b>11/8/2006</b>		COMPLETED <b>11/14/2006</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>217.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20 40 60 80					217.9				
SS 1	X	▲	10-17-20	16		216.7			<b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet. Top of Barnwell Group at a depth of 1.2 feet.	
SS 2	X	□	26-28-25	15.5					* <b>SAND, clayey (SC)</b> - Red (10R 4/6), dry, dense, fine to medium grained, non-plastic		
SS 3	X	▲	10-11-12	13				5	SAA except low to medium plasticity, contains traces of CLAY		
SS 4	X	▲	7-11-14	16					SAA except low plasticity		
SS 5	X	▲	6-9-12	15				10	SAA except red (10R 5/8), fine to coarse grained, medium dense		
SS 6	X	○	6-11-13	15.5		204.9			SAA except damp, medium dense, fine grained, non-plastic		
SS 7	X	▲	6-13-14	15				15	<b>SILT, sandy (ML)</b> - Red (10R 5/8), damp, very stiff, lignitic, calcareous mineralization		
SS 8	X	▲	7-11-16	13		198.9		20	SAA except moist, stiff, low to medium plasticity, contains traces of CLAY		
SS 9	X	▲	7-7-5	11				25	* <b>SAND, with silt (SP-SM)</b> - Light red (2.5YR 7/8), damp, medium dense, fine grained, non-plastic SAA reddish brown (7.5YR 5/8), moist, fine to medium grained, slightly lignitic	Water level depth at end of 11/8/2006 = Ground surface	
SS 10	X	▲	3-3-5	14		190.9		30	* <b>SAND, clayey (SC)</b> - Light reddish brown (2.5Y 6/6), damp, loose, fine grained, low plasticity	Water level depth at beginning of 11/9/2006 = 24.0 feet	
SS 11	X	▲	3-4-8	14				35	SAA except light brown (10YR 7/6), moist, medium dense, low to moderate plasticity, fine to very fine grained		
SS 12	X	▲	3-4-8	17				40	SAA except damp, low plasticity, contains calcareous shell fragments		
SS 13	X	▲	2-3-3	21				45	SAA except loose, fine grained		
SS	X	▲	5-8-10	14		170.9			<b>SAND, silty (SM)</b> - Light brown (10YR 7/6), damp, medium dense, fine to medium grained,		

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3008</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3008
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					165.9			non-plastic, well graded, slightly lignitic	
SS 15	□	▲	7-11-19	14.5		55		*SAND, with clay (SP-SC)- Light brown (10YR 7/6), damp, dense, medium to coarse grained, subrounded, non-plastic, slightly lignitic	
SS 16	□	▲	6-7-8	17		60		*SAND, clayey (SC)- Light brown (10YR 7/6), damp to moist, medium dense, contains shell fragments	
SS 17	□	▲	11/1.2'-19/0.3'	18		65		SAND, silty, clayey (SC-SM)- Light tan to white (2.5YR 8/2), damp, coarse grained, subrounded, contains shell fragments	
SS 18	□	▲	11-11-17	27		70		CLAY, silty (CL-ML)- Light brown (2.5YR 8/2), and pink (10R 8/2), mottled, damp to moist, very stiff, medium plasticity	
SS 19	□	▲	9-12-19	26		75		SAA except light brown (2.5Y 8/4), contains very fine to fine SAND	
SS 20	□	▲	5-50/4"	12		80		SAA except hard, 50% of sample is comprised of shell fragments	Loss of circulation and approximately 25 gallons of drilling fluid at a depth of 80 feet.
SS 21	□	▲	11-18-9	16		85		SAA except light brown (2.5YR 7/4), contains very fine to fine SAND, low plasticity	Continued drilling and lost 125 additional gallons of drilling fluid.
SS 22	□	▲	17-50/5"	18		90		SILT, with sand (ML)- Greenish gray (GLE Y1 5/5GY), dry to damp, hard, contains very fine to fine SAND, non-plastic	Installed casing to a depth of 85 feet.
SS 23	□	▲	14-50/2"	12		95		*SILT (MH)- Greenish gray (GLE Y1 5/5GY), dry to damp, hard, contains fine grained SAND	Water level depth at end of 11/9/2006 = Ground surface
SS 24	□	▲	16-16-22	23		100		SAA except greenish gray (GLE Y1 6/10Y)	Top of Blue Bluff Marl at a depth of 87.0 feet.
SS 25	□	▲	50/2"	4		105		SAA except contains shell fragments 0.5" in diameter	Water level depth at beginning of 11/10/2006 = 10.64 feet
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3008

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3008
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗		▲ 22-19-50/2"	16		110		SAA	Water level depth at end of 11/10/2006 = Ground surface  Water level depth at beginning of 11/14/2006 = 50.1 feet
SS 27	⊗	+ - - +	▲ 50/3"	5		115		SAA	
SS 28	⊗	+ - - +	▲ 50/5"	6.5		120		SAA	
SS 29	⊗		▲ 3-22-50/4"	21	95.9	125		*CLAY (CH)- Greenish gray (GLE Y1 6/10Y), dry to damp, hard, contains fine grained SAND SAA	Top of Still Branch at a depth of 152.0 feet.
SS 30	⊗		▲ 36-50/5"	16		130		SAA except greenish grey (GLE Y1 7/10Y)	
SS 31	⊗	▲	11-23-32	24		135		SAA	
SS 32	⊗	▲	12-17-22	21		140		SAA except greenish grey (GLE Y1 6/10Y), contains fine grained SAND	
SS 33	⊗	▲	16-21-42	22		145		SAA	
SS 34	⊗	▲	7-11-20	25		150		SAA except very stiff	
SS 35	⊗	▲	22-31-35	15	65.9 62.9	155		SAND, silty, clayey (SC-SM)- Light greenish gray (GLE Y1 8/5GY) and greenish grey (GLE Y1 6/5G), damp, very dense, fine to medium grained Boring terminated at 155 feet	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-3008



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-3009</b>
LOGGED BY <b>M. Harvey</b>			COORDINATES <b>N 1142484.5 E 621956.6</b>			BEGUN <b>12/7/2006</b>		COMPLETED <b>12/13/2006</b>
DRILLER <b>Warren-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>	HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>153.9</b>
GROUND EL. <b>217.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					











  

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80				217.9				
SS 1	▲		6-7-8	18					*SAND, silty (SM)- Red (2.5YR 4/6), dry, medium dense	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		14-12-12	18					SAA except red (2.5YR 5/8)	
SS 3	▲		7-7-8	12			5		SAA except red (2.5YR 4/8)	
SS 4	▲		13-12-12	15					SAA	
SS 5	▲		7-9-10	12			10		SAA except red (2.5YR 4/6)	
SS 6	▲		8-6-5	15					SAA except red (10R 4/6), fine to coarse grained	
SS 7	▲		6-7-9	12			15		SAA	
SS 8	▲		10-10-9	9		195.9	20		SAA except brown (7.5YR 5/8), dry, medium dense	
SS 9	▲		10-10-12	9			25		*SAND, with silt (SP-SM)- Brown (7.5YR 5/8), dry, medium dense	
SS 10	▲		5-7-8	10			30		SAA except brownish yellow (10YR 6/6)	
SS 11	▲		4-5-6	15			35		SAA except pale yellow (2.5Y 7/4), damp	
SS 12	▲		6-7-7	11		175.9	40		SAA	
SS 13	▲		2-3-5	15			45		*SAND, silty (SM)- Brownish yellow (10YR 6/8), moist, loose	
SS	▲		10-12-15	7					SAA except yellow (2.5Y 7/6), -HCL	

PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>	HOLE NO. <b>B-3009</b>
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GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3009
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14									
SS 15	⊗	▲	20-20-15	8	55		SAA except yellow (10YR 8/8), wet, dense		
SS 16	⊗	▲	10-10-12	6	60		SAA except very pale brown (10YR 8/4), medium dense		
SS 17	⊗	▲	8-28-20	18	154.4		*SHELL HASH, clayey (GC)- White (5Y 8/1), moist, dense, +HCL		
SS 18	⊗	▲	7-12-15	18	150.9		SAND, silty (SM)- Pale yellow (2.5Y 8/2), damp, medium dense, contains shell hash, +HCL		
SS 19	⊗	▲	8-10-15	18	145.9		SAND (SP)- Pinkish white (7.5YR 8/2), moist to wet, medium dense, fine grained		
SS 20	⊗	▲	50/6"	8	140.9		*SHELL HASH, silty (GM)- Pale yellow (2.5Y 7/4), wet, very dense, +HCL		Top of Utley Limestone at a depth of 77.0 feet
SS 21	⊗	▲	50/5"	18	135.9		SILT (ML)- Pale olive (5Y 6/3), damp, hard, +HCL		Water level depth at end of 12/07/06 = Ground surface
SS 22	⊗	▲	50/4"	18	129.4		*CLAY, with sand (CH)- Greenish gray (GLE Y1 5/5GY), damp, hard, +HCL		Top of Blue Bluff Marl at a depth of 88.5 feet
SS 23	⊗	▲	15-15-20	18	95		SAA		
SS 24	⊗	⊕ --- + □	50/4"	16	100		SAA		
SS 25	⊗	▲	12-14-15	18	105		SAA except very stiff		
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3009

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3009
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×		▲	50/5"	12		110		SAA except hard	Water level depth at end of 12/12/06 = Ground surface
SS 27	×		▲	50/3"	10		115		SAA except greenish grey (GLE Y1 5/1/10Y)	
SS 28	×		▲	50/5"	18		120		SAA	
SS 29	×		▲	50/4"	11		125		SAA	
SS 30	×	▲ — + □		10-12-14	18		90.9		*CLAY, sandy (CL)-Greenish gray (GLE Y1 6/1/10Y), damp, very stiff, +HCL	Water level depth at beginning of 12/13/06 = 10 feet
SS 31	×	▲		20-20-20	18		130		SAA except hard	
SS 32	×		▲	50/4"	18		135		SAA	
SS 33	×	▲		13-16-24	18		140		SAA	
SS 34	×		▲	50/3"	0	69.4	145		NO RECOVERY	Top of Still Branch Formation at a depth of 148.5 feet
SS 35	×		▲	50/5"	5	65.9	150		SAND (SP) - Very dark gray (GLE Y1 3/N), wet, very dense, -HCL Boring terminated at 153.92 feet	
						63.9				
SITE						Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-3009



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3010</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1142634.9 E 622025.0</b>		BEGUN <b>3/3/2007</b>		COMPLETED <b>3/5/2007</b>			
DRILLER <b>Bilbrey-MILLER DRILLING</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>160.0</b>	
GROUND EL. <b>219.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							219.7				
SS 1	X	▲		1-4-5	8		219.5			<b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.2 feet
SS 2	X	▲		7-10-12	16					*SAND, clayey (SC)- Red (2.5YR 5/6), moist, loose, fine grained, nonplastic, contains trace organics	
SS 3	X	□		8-14-15	18					SAA except medium dense	
SS 4	X	▲		9-15-18	17					SAA except red (2.5YR 5/8), very fine grained	
SS 5	X	▲		6-9-11	17					SAA except dense	
SS 6	X	▲		6-9-11	16					SAA except medium dense	
SS 7	X	▲		12-12-10	18					SAA	
SS 8	X	□		9-10-12	16					SAA	
SS 9	X	▲		8-10-14	12					SAND, with silt (SP-SM)- Reddish yellow (7.5YR 6/6), medium dense, medium grained, nonplastic, subrounded	
SS 10	X	▲		4-8-11	18					SAA	
SS 11	X	▲		2-4-6	16					SAND, with clay (SP-SC)- Yellow (10YR 7/6), moist, medium dense, very fine grained, nonplastic	
SS 12	X	▲		6-5-5	18					CLAY, with sand (CL)- Yellow (10YR 7/6), moist, stiff, very fine grained, low plasticity	
SS 13	X	▲		2-1-1	19					SAA	
SS	X	▲		WOR/6"-6-7	19					SAND, with clay (SP-SC)- Yellow (2.5Y 7/6), moist, medium dense, fine grained, nonplastic	Water level depth at end of 3/3/07 = Ground surface  Water level depth at beginning of 3/4/07 = Borehole dry
										CLAY, with sand (CL)- Yellow (2.5Y 7/6), moist, soft, very fine grained, low plasticity, low toughness	
							177.7			SAA except stiff	
							180.4				
							187.7				
							192.7				
							202.7				
							219.5				

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3010**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3010
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								<b>SAND, with clay (SP-SC)-</b> Pale yellow (2.5YR 7/4), moist, medium dense, fine grained, nonplastic	
SS 15	⊗	▲	12-14-17	17		55		SAA except moist to wet, dense	
					162.7				
SS 16	⊗	▲	9-15-14	15		60		<b>SAND, with silt (SP-SM)-</b> Pale yellow (10YR 7/4), wet, medium dense, fine grained, nonplastic	
SS 17	⊗	▲	2-WOH/12"	19	155.9	65		SAA <b>CLAY (CL)-</b> Pale yellow (5Y 8/3), moist, very soft, low to medium plasticity	
SS 18	⊗	▲	1-WOH/6"	21		70		SAA except low plasticity	
					147.7				
SS 19	⊗	▲	1-3-2	18		75		<b>SAND, with clay (SP-SC)-</b> Pale yellow (5Y 8/3), moist, loose, very fine grained, nonplastic	
					143.7				Top of Utley Limestone at a depth of 76.0 feet
SS 20	—		50/1"	0		80		<b>NO RECOVERY</b>	
					137.7				Loss of circulation at a depth of 82.0 feet
SS 21	—		50/1"	2		85		<b>*SHELL HASH, with clay (GP-GC)-</b> Pale yellow (5Y 8/4), moist, very dense, angular, +HCL	
					133.7				Top of Blue Bluff Marl at a depth of 86.0 feet
SS 22	—		50/1"	1.5		90		<b>*CEMENTED FRAGMENTS, with clay (GP-GC)-</b> Dark greenish gray (GLE Y1 4/5GY), damp, very dense, +HCL	Return of circulation at a depth of 90.0 feet
					127.7				
SS 23	⊗	▲	17-17-23	22		95		<b>CLAY (CL)-</b> Greenish gray (GLE Y1 5/5GY), moist, hard, low plasticity, medium toughness, contains trace of shells, +HCL	
					122.7				
SS 24	—		50/0"	0		100		<b>NO RECOVERY</b>	Water level depth at end of 3/4/07 = 3.0 feet
					117.7				
UD 1	■	○		24		105		SAA	Water level depth at beginning of 3/5/07 = 18.0 feet Pitcher
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-3010</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-3010				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25								50/2"	2		110	SAA except damp	Loss of circulation at a depth of 113.0 feet	
SS 26	⊗							11-27-50/3"	16		115	SAA except greenish gray (GLE Y1 6/5GY)		
SS 27	⊗							50/5"	6		102.7	*CLAY, with cemented fragments (CL)- Greenish gray (GLE Y1 6/5GY), moist, hard, +HCL	Changed from a 5 7/8 inch to a 2 7/8 inch drilling bit Pitcher	
SS 28	⊗	⊕	+		□			50/5"	5		125			SAA
UD 2	■								13		92.7	CLAY (CL)- Greenish gray (GLE Y1 6/5GY), moist, hard, low plasticity, contains cemented fragments, +HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF		
SS 29	⊗							13-23-31	20		130	SAA except greenish gray (GLE Y1 5/10Y)		
SS 30	⊗							11-27-50/4"	16		135	SAA	Top of Still Branch Formation at a depth of 157.0 feet	
SS 31	⊗	⊕	+		□			17-22-28	22		140	*CLAY, sandy (CL)- Greenish gray (GLE Y1 6/5GY), moist, hard, low plasticity, +HCL		
SS 32	⊗							16-19-25	19		145	SAA		
SS 33	⊗							18-22-33	20		150	SAA		
SS 34	⊗							8-12-16	3		155	SAND, with clay (SP-SC)- Gray (5Y 6/1), wet, medium dense, very fine to medium grained, nonplastic, -HCL Boring terminated at 160 feet		
											62.7			
											59.7			
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3010	



<b>GEOTECHNICAL LOG</b>			PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-3011</b>	
LOGGED BY <b>M. Harvey</b>			COORDINATES <b>N 1142776.7 E 622024.9</b>			BEGUN <b>1/10/2007</b>		COMPLETED <b>1/15/2007</b>			
DRILLER <b>Warren-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>165.0</b>		
GROUND EL. <b>220.6</b>			DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)				○ WATER CONTENT %			+ ATT. LIMITS %			□ FINES %			1st 6" N-COUNT	2nd 6" N-COUNT	3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80																		
																		220.6					
SS 1	X	▲												4-8-12	10			219.1			CLAY, sandy (CL)- Red (2.5YR 4/6), dry, very stiff	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X													8-10-13	10			217.3			SAND (SP) - Red (2.5YR 4/8), dry, medium dense		
SS 3	X													10-20-25	14						SAND, silty (SM)- Red (2.5YR 4/8), dry, dense		
SS 4	X													11-20-21	14						SAA		
SS 5	X													10-17-21	15						SAA		
SS 6	X													13-21-26	14						SAA except red (10R 4/8)		
SS 7	X													10-20-20	12						SAA		
SS 8	X													10-12-17	12						SAA except red (2.5YR 4/8), damp, medium dense, fine to medium grained		
SS 9	X													5-12-12	12						SAA except yellowish red (5YR 5/8)		
SS 10	X													13-14-9	9						SAA		
SS 11	X													5-8-8	15						SAA except brownish yellow (10YR 6/8), dry		
SS 12	X													8-8-8	16						SAND, with clay (SP-SC)- Brownish yellow (10YR 6/8), damp, medium dense		
SS 13	X													4-5-8	18						SAA		
SS	X													6-8-12	11						SAA except yellow (10YR 7/8)		

PREPARED BY: A. TAYLOR			SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>			HOLE NO. <b>B-3011</b>		
REVIEWED BY: P. DEPREE			<b>Final Log</b>					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-3011
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.6				
SS 15	▲		3-3-5	18		55		CLAY, sandy (CL)- Yellow (2.5Y 7/6), damp, medium stiff	
SS 16	▲		11-13-14	13	163.6	60		SAND, with clay (SP-SC)- Pale yellow (2.5Y 8/2), damp, medium dense	
SS 17	▲		16-20-14	5	158.6	65		SAND (SP)- Pale red (10R 7/2), wet, dense, -HCL	
SS 18	▲		3-2-2	18	153.6	70		CLAY, sandy (CL)- Pale yellow (2.5Y 7/4), moist, medium stiff, -HCL	
SS 19	▲		5-6-8	18	148.6	75		CLAY (CL)- Yellow (2.5Y 7/4), moist, stiff, -HCL	
SS 20	▲		10-11-13	18	141.1	80		SAA except olive grey (5Y 5/2), wet, very stiff *SHELL HASH, silty (GM)- Pale yellow (5Y 8/2), wet, medium dense, +HCL	
SS 21	▲		16-16-7	6		85		SAA	
SS 22	▲		28-50/1"	12	133.6	90		*CLAY, with shell hash (CL)- Pale yellow (2.5Y 8/3), hard, +HCL	Loss of circulation at a depth of 86.0 feet. Advanced casing to a depth of 88.5 feet. Later advanced casing to a depth of 92.0 feet. Top of Utley Limestone at a depth of 87.0 feet. Top of Blue Bluff Marl at a depth of 92.0 feet.
SS 23	▲		11-13-19	18	128.6	95		CLAY (CL)- Pale olive (5Y 6/3) and greenish grey (GLE Y1 5/1/10GY), damp, hard, +HCL	
SS 24	▲		50/1"	8		100		SAA except greenish grey (GLE Y1 5/1/10GY), contains shell hash	Loss of circulation at a depth of 96.0 feet. Advanced casing to 97.0 feet.
SS 25	▲		17-19-22	18	118.6	105		*CLAY, silty (CL)- Greenish grey (GLE Y1 5/1/10GY), hard, contains traces of shells, +HCL	Water level depth at end of 1/11/2007 =
					113.6				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3011

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-3011			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗					▲ 17-26-50/1"	18		110		CLAY (CL)- Dark greenish grey (GLEY1 4/1/10Y), moist, hard, contains traces of shells, +HCL	Ground surface	
SS 27	⊗					▲ 26-50/1"	10		115		SAA		
SS 28	⊗			▲		26-31-41	18		120		SAA except greenish grey (GLEY1 5/1/10Y)	Loss of circulation at a depth of 117.0 feet.	
SS 29	⊗					▲ 36-50/1"	8		125		SAA		
SS 30	—					▲ 50/1"	6		130		SAA except moist to wet		
SS 31	⊗					▲ 27-50/1"	18		135		SAA except greenish grey (GLEY1 6/1/10Y), moist		
SS 32	⊗		▲			21-25-26	13		140		SAA		
SS 33	⊗			▲		26-36-42	18		145		SAA	Water level depth at end of 1/12/2007 = 65.0 feet	
SS 34	⊗					▲ 17-38-50/2"	18		150		SAA		
SS 35	⊗					▲ 11-47-50/3"	18		155		SAA		
SS 36	⊗					▲ 13-32-50/1"	18		160		SAA		
SS	⊗					▲ 13-32-50/1"	8	58.6			SAND, silty (SM)- Very dark greenish grey	Top of Still Branch Formation at a depth of 162.0 feet.	
SITE								Vogle Units 3 & 4 COL Project				HOLE NO.	
								Final Log				B-3011	

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-3011		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
37	X							56.0'	165'		(GLE Y1 3/1/10Y), wet, very dense, -HCL Boring terminated at 164.58 feet	
								SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-3011</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3012</b>	
LOGGED BY <b>C. Gandy</b>				COORDINATES <b>N 1142772.5 E 621911.9</b>		BEGUN <b>11/15/2006</b>		COMPLETED <b>11/27/2006</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-850</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>165952</b>		TOTAL DEPTH <b>159.3</b>	
GROUND EL. <b>220.4</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						220.4					
SS 1	X	▲	3-18-18	19					<b>SAND, silty (SM)</b> - Red (10R 4/8), dry, dense, nonplastic, contains thin veneer of fill at surface SAA except does not contain fill	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	12-14-17	18							
SS 3	X	▲	10-7-7	15	216.3			SAA except light brown (7.5YR 6/4), moist, medium dense			
SS 4	X	▲	7-11-13	19	212.4			<b>CLAY (CL)</b> - Red (10R 4/8), damp, stiff, medium plasticity SAA except dry, very stiff, low plasticity, slightly lignitic			
SS 5	X	▲	10-13-12	18				<b>SAND, clayey (SC)</b> - Red (10R 4/8), damp, medium dense, low plasticity			
SS 6	X	▲	12-15-18	18				SAA except red (10R 5/8), dense			
SS 7	X	▲	14-14-19	16				SAA			
					203.4						
SS 8	X	▲	7-10-12	14	198.4			<b>SILT (ML)</b> - Red (10R 4/8), dry, very stiff, low plasticity			
SS 9	X	▲	6-5-7	17				<b>SAND, clayey (SC)</b> - Red (10R 5/8), damp, medium dense, contains minor clay-rich seams			
SS 10	X	▲	7-10-13	16				SAA			
SS 11	X	▲	6-6-7	18				SAA except reddish yellow (7.5YR 6/8), low plasticity, contains minor clay seams			
SS 12	X	▲	5-8-9	14				SAA except contains 2" wide clay seam			
					178.4						
SS 13	X	▲	5-8-8	21	173.4			<b>SILT, with sand (ML)</b> - Reddish yellow (7.5YR 7/8) and light brown (7.5YR 6/4), damp to moist, very stiff, low to medium plasticity, contains minor calcareous deposits	Water level depth at end of 11/15/06 = 30.0 feet		
SS	X	▲	5-5-6	10.5				<b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 6/8), moist, medium dense, medium grained,			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3012**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3012
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.4			low plasticity	
SS 15	▲		2-2-4	20		55		CLAY (CL) - Pale yellow (2.5Y 7/4), damp, medium stiff, medium plasticity	
SS 16	▲		9-12-14	14		60		SAND, with silt (SP-SM)- Yellow (10YR 7/8), moist, medium dense, medium grained, nonplastic	
SS 17	▲		5-8-9	15		65		SAA except yellow (10YR 7/6), wet	
SS 18	▲		2-1-2	27		70		SAND, clayey (SC) - Pale yellow (2.5Y 7/4), damp, very loose, fine grained, medium plasticity	
SS 19	▲		1-1-1	27		75		SAND, silty, clayey (SC-SM)- Very pale brown (10YR 7/4), damp, very loose, fine grained, low plasticity	Water level depth at end of 11/16/06 = 75.0 feet
SS 20	▲		WOH/6"-1-2	26		80		SAND, clayey (SC) - Very pale brown (10YR 7/4), moist, very loose, fine grained, low plasticity	Water level depth at beginning of 11/17/06 = 36.4 feet
SS 21	▲		1-1-2	24		85		SAA except slightly lignitic	
SS 22			50/1"	0		90		NO RECOVERY	Top of Blue Bluff Marl at a depth of 87.0 feet Advanced casing to 90.0 feet
SS 23	▲		10-12-16	25		95		SILT (ML) - Greenish gray (GLE1 5/1), dry, very stiff, low plasticity	End logging by C. Gandy. Begin logging by M. Cooke.
SS 24	▲		42-18-18	24		100		SAA except dry to moist, hard, low to medium plasticity, contains traces of SAND and shell hash	
SS 25	▲		12-50/5"	14		105		SAA except very stiff	Water level depth at end of 11/17/06 =
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3012

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3012
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	9-13-16	27		110		SAA except medium plasticity	10.0 feet End logging by M. Cooke. Begin logging by C. Gandy. Water level depth at beginning of 11/27/06 = 22.4 feet	
SS 27	⊗		▲ 5-15-50/1"	22		115		SAA except hard		
SS 28	⊗		▲ 50/4"	16		120		SAA		
SS 29	⊗	▲	9-9-24	27		125		SAA except damp		
SS 30	⊗		▲ 12-50/4"	17.5		130		SAA except low plasticity		
SS 31	⊗	▲	10-26-35	26		135		SAA except medium plasticity		
SS 32	⊗	▲	8-13-30	27		140		SAA		
SS 33	⊗	▲	13-20-19	27		145		SAA except greenish gray (GLEY1 6/1), dry to damp		
SS 34	⊗	▲	18-34-26	27		150		SAA except slightly lignitic		
SS 35	⊗	▲	9-10-12	26		155		SAA except damp, very stiff, contains traces of shell hash		
SS 36	⊗		▲ 30-50/4"	15		63.4 61.1		SAND, silty (SM)- Very dark gray (2.5Y 3/1), damp, dense, fine grained, nonplastic to low plasticity Boring terminated at 159.33 feet	Top of Still Branch Formation at a depth of 157.0 feet  Water level depth at end of 11/27/06 = 10.0 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3012	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3013(C)</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1142842.9 E 621825.4</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>3/7/2007</b>			
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>220.5</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					220.5				
SS 1	X	▲				2-4-7	18			<b>SAND, silty (SM)-</b> Red (2.5YR 4/8), dry to damp, medium dense, fine grained, low plasticity, contains trace organics SAA except no organics	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X					6-12-13	16				
SS 3	X					9-22-21	12			SAA except dark yellowish brown (10YR 4/6), dense	
SS 4	X	▲				4-4-7	14	5		<b>SAND, clayey (SC)-</b> Yellowish brown (10YR 5/6), dry to damp, medium dense, fine grained, low plasticity	
SS 5	X					10-15-20	14	10		SAA except red (2.5YR 4/8), dense, fine to medium grained	
SS 6	X					17-19-21	16.5			SAA except red (2.5YR 5/8)	
SS 7	X					13-17-17	16	15		SAA except red (2.5YR 4/8)	
SS 8	X					12-16-22	18			SAA except damp	
SS 9	X	▲				9-12-13	15	20		SAA except medium dense	Water level depth at end of 2/13/07 = Ground surface
SS 10	X	▲				8-13-11	16			SAA except red (2.5YR 5/8)	
SS 11	X					7-10-14	12	25		<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 5/8), damp, medium dense, fine to medium grained, low plasticity SAA	
SS 12	X	▲				8-10-10	12				
SS 13	X					9-11-13	16	30		SAA except red (2.5Y 4/8), contains CLAY seams	
SS 14	X	▲				8-8-8	12			SAA except strong brown (7.5YR 5/8)	
SS 15	X	▲				9-9-9	17.5	35		SAA except brownish yellow (10YR 6/8)	
SS 16	X	▲				8-8-8	17	185.0		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), damp, medium dense, fine to medium grained, low plasticity	
SS 17	X	▲				4-6-9	18	182.5		<b>CLAY, sandy (CL)-</b> Brownish yellow (10YR 6/8), dry to damp, stiff, low plasticity, fine grained SAND, contains trace phosphate grains SAA	
SS 18	X	▲				4-7-9	18	40			
SS 19	X	▲				6-9-9	12	177.5		<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 5/8), damp, medium dense, fine grained, low plasticity	
SS 20	X					5-7-9	14	45		SAA except yellowish red (5YR 5/8)	
SS	X	▲				5-5-7	14			SAA except brownish yellow (10YR 6/6)	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3013(C)</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3013(C)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
21	SS	▲	4-4-7	15.5	170.0			<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine grained, low plasticity	
22	SS	▲	4-7-9	15.5		55		SAA except red (10R 5/8), contains trace phosphate grains	
23	SS	▲	5-7-13	11				SAA	
24	SS	▲	8-11-14	10.5	162.5				
25	SS	▲	2-1/12"	15	160.0	60		<b>SAND, with silt (SP-SM)</b> - Strong brown (7.5YR 5/6), damp, medium dense, fine to medium grained, low plasticity	
26	SS	▲	WOH/18"	17		65		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/3), damp, very loose, fine grained, low plasticity, contains trace phosphate grains	Loss of circulation at a depth of 62.0 feet
27	SS	▲	WOH/6"-3-3	17				SAA	
28	SS	▲	2-8-12	17		70		SAA except loose, contains CLAY seams	
29	SS	▲	7-9-11	12				SAA except pale yellow (5Y 8/2), medium dense	
30	SS	▲	7-7-10	12.5		75		SAA except pale yellow (5Y 7/3)	
31	SS	▲	7-8-9	18				SAA	
32	SS	▲	20-18-10	8	142.5			SAA except pale olive (5Y 6/4)	
33	SS	▲	18-12-18	18	140.0	80		<b>CLAY, silty with sand (CL-ML)</b> - Olive (5Y 4/4), damp, very stiff, low plasticity, contains shell fragments and calcareous cemented SAND, +HCL	Loss of circulation at a depth of 78.75 feet
34	SS	▲	30-50/2"	8	137.5			<b>SAND, clayey (SC)</b> - Pale yellow (5Y 7/3), damp, dense, contains many shell fragments and calcareous cemented SAND with trace phosphate grains, +HCL	
35	SS	▲	3-5-10	18	135.0	85		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 7/3), damp, very dense, contains many shell fragments and calcareous cemented SAND with trace phosphate grains, +HCL	Top of Utley Limestone at a depth of 83.0 feet
36	SS	▲	10-13-16	18				<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/5GY), dry to damp, stiff, low plasticity, contains trace shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 85.5 feet
37	SS	▲			128.5	90		SAA except dark greenish gray (GLE Y1 4/10Y)	
38	SS	▲	50/3"	8					Water level depth at end of 2/14/07 = Ground surface
39	SS	▲	32-23-32	18	125.0	95		<b>*CEMENTED FRAGMENTS, clayey (SC)</b> - Light greenish gray (GLE Y1 8/10Y), damp, very dense	Installed 6" steel casing to a depth of 93.0 feet (installed by Graves Drilling)
UD 1	UD	○ + □		7		100		<b>*SILT (MH)</b> - Dark greenish gray (GLE Y1 4/10GY), dry to damp, hard, low plasticity, contains cemented SAND and trace shell fragments and phosphate grains, +HCL	Pitcher
UD 2	UD	○		31.5				SAA except damp, no phosphate grains	Pitcher
40	SS	▲	7-9-14	18		105		Pocket Penetrometer: >4.5 TSF	
SS	SS	▲	50/6"	9				SAA except dry to damp	
SS	SS	▲						SAA except no cemented SAND	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3013(C)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
41	SS		▲ 50/3"	9				SAA except with cemented SAND	
42	SS					110		SAA	
43	SS		▲ 23-29-24	18				SAA	
44	SS		▲ 7-25-50/3"	18		115		SAA	
45	SS		▲ 6-50/2"	8				SAA	
UD 3	UD	○			102.5				
UD 4	UD	○			99.5	120		*LIMESTONE (GP)- Greenish gray (GLEY1 6/5GY), dry, hard, contains cemented SAND, +HCL Pocket Penetrometer: >4.5 TSF	Water level depth at end of 3/6/07 = Top of casing Pitcher
46	SS		▲ 50/5"	9		125		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), dry to damp, hard, low plasticity, contains cemented seam in bottom, trace shell fragments, and phosphate grains, +HCL SAA	Water level depth at beginning of 3/7/07 = 38.5 feet
47	SS		▲ 11-12-16	18				SAA except very stiff	
48	SS		▲ 12-16-18	18		130		SAA except hard	
49	SS		▲ 12-40-27	18				SAA	
50	SS		▲ 12-16-15	18		135		SAA	
51	SS		▲ 10-16-29	18				SAA except no seams	
52	SS		▲ 12-17-25	18		140		SAA	
53	SS		▲ 7-18-19	18				SAA	Loss of circulation at a depth of 141.0 feet
54	SS		▲ 40-50/4"	15		145		SAA	
55	SS		▲ 9-9-16	18				SAA except very stiff	
56	SS		▲ 7-8-7	18		150		SAA	
57	SS		▲ 9-28-30	18		70.0		SAND, clayey (SC)- Very dark greenish gray (GLEY1 3/10Y), damp, very dense, fine grained, low plasticity, contains trace shell fragments, -HCL SAA	Top of Still Branch Formation at a depth of 150.5 feet
58	SS		▲ 17-35-28	18		65.5	155	Boring terminated at 155 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-3013(C)

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3014</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1142799.4 E 621748.6</b>		BEGUN <b>2/7/2007</b>		COMPLETED <b>2/13/2007</b>			
DRILLER <b>Burnett-Gregg</b>				DRILL MAKE AND MODEL <b>Froste MDXL</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>X02958</b>		TOTAL DEPTH <b>158.7</b>	
GROUND EL. <b>220.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							220.3				
SS 1	X	▲		9-11-9	18					SAND, with silt (SP-SM)- Contains debris	Top of Fill at a depth of 0.0 feet
SS 2	X	▲		9-6-11	9		217.0			SAA	
SS 3	X	▲		3-2-4	0		214.8	5		NO RECOVERY	
SS 4	X	▲		4-4-10	8		213.3			GRAVEL (GP)	
SS 5	X	▲		8-8-10	14		212.3	10		CLAY (CL)- Yellowish red (5Y 5/8) and pale yellow (5Y 8/3), damp, stiff SAND, with clay (SP-SC)- Yellowish red (5YR 5/8), damp, medium dense, fine to medium grained, rounded	Top of Barnwell Group at a depth of 7.0 feet
SS 6	X	▲		11-11-13	18					SAA except red (2.5YR 5/8) and reddish yellow (7.5YR 6/8)	
SS 7	X	▲		13-15-18	18			15		SAA except red (2.5YR 5/8), dense	
							203.3				
SS 8	X	▲		16-16-16	18			20		SAND, with clay and gravel (SP-SC)- Red (2.5YR 5/8), damp, dense, medium grained	
							198.3				
SS 9	X	▲		15-12-10	18			25		SAND (SP)- Strong brown (7.5YR 5/8), wet, medium dense, coarse grained, sub-rounded	
							193.3				
SS 10	X	▲		7-8-10	18			30		SAND, clayey (SC)- Brownish yellow (10YR 6/6), damp, medium dense, coarse grained, sub-rounded	Water level depth at end of 2/07/2007 = Ground surface
SS 11	X	▲		6-8-7	17			35		SAA except light yellowish brown (10YR 6/4) to brownish yellow (10YR 6/6), moist, fine to medium grained	Water level depth at beginning of 2/08/2007 = 13.0 feet
							183.3				
SS 12	X	▲		5-5-8	18			40		CLAY, sandy (CL)- Yellow (2.5Y 7/6 to 7/8), damp, stiff, low plasticity	
							178.3				
SS 13	X	▲		8-9-9	10			45		SAND, clayey (SC)- Yellow (10YR 7/6), wet, medium dense, medium to coarse grained, sub-rounded, -HCL	
SS	X	▲		3-4-5	18					SAA except moist, loose, fine grained	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3014**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3014
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.3				
SS 15	▲		4-4-5	18		55		CLAY, with sand (CL)- Yellow (2.5Y 8/6), damp, stiff, low plasticity, -HCL	
SS 16	▲		9-11-13	11		60		SAND, with clay (SP-SC)- Yellow (10YR 7/6), wet, medium dense, medium grained, -HCL	
SS 17	▲		4-5-5	18		65		CLAY, with sand (CL)- Yellow (2.5Y 7/6) and pale yellow (5Y 8/4), moist, stiff, medium plasticity, contains SAND lenses	
SS 18	▲		10-22-14	18		70		SAND, clayey (SC)- Pale yellow (5Y 8/3), moist, dense, fine grained, -HCL	
SS 19	▲		14-14-21	14		75		SAND, with silt (SP-SM)- Pale yellow (2.5Y 8/2), moist, dense, fine grained, -HCL	
SS 20	▲		10-3-1	12		80		SAA except light grey (5Y 7/2) to pale yellow (5Y 7/3), very loose	
SS 21	▲		6-9-9	2.5		85		*SHELL HASH (GP)- Pale yellow (5Y 8/3), +HCL	Top of Utley Limestone at a depth of 81.0 feet. Loss of circulation at a depth of 81 feet
SS 22	▲		10-16-24	18		90		CLAY (CL)- Greenish grey (GLEY1 6/1 to 5/1), damp, very stiff, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 88.0 feet.
SS 23	▲		16-18-22	18		95		*CLAY, with shell hash (CL)- Greenish grey (GLEY1 5/10Y), dry, very stiff, +HCL	
SS 24	▲		5-17-50/4"	14		100		SAA except hard	Installed 4" steel casing to a depth of 100.0 feet
SS 25	▲		10-14-16	18		105		CLAY, silty (CL-ML)- Greenish grey (GLEY1 5/10Y), dry, very stiff, low plasticity, +HCL	Water level depth at end of 2/08/2007 = Ground surface
					113.3				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3014



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-3014			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗					▲ 14-50/6"	17.5		110		CLAY (CL)- Greenish grey (GLEY1 6/10Y), dry, hard, medium plasticity, +HCL	Water level depth at end of 2/12/2007 = 6.0 feet  Water level depth at beginning of 2/13/2007 = 23.0 feet	
SS 27	⊗		▲			13-20-18	18		115		SAA except damp		
SS 28	⊗			▲		32-23-44	18		120		SAA		
SS 29	⊗					▲ 32-50/5"	16		125		SAA except damp		
SS 30	⊗	▲				13-12-18	18		130		SAA except light greenish grey (GLEY1 7/10Y) to greenish grey (GLEY1 6/10Y), very stiff		
SS 31	⊗					▲ 27-22-50/5"	18		135		SAA except hard		
SS 32	⊗		▲			12-18-20	18		140		SAA		
SS 33	⊗			▲		18-29-36	18		145		SAA		
SS 34	⊗			▲		19-25-25	18		150		SAA except contains shell fragments		
SS 35	⊗		▲			12-18-22	18		155		SAND, with silt (SP-SM)- Very dark greenish grey (GLEY1 3/10Y), moist, dense, fine grained, -HCL		
SS 36	⊗					▲ 50/3"	0		68.3 63.3 61.5		NO RECOVERY Boring terminated at 158.75 feet	Top of Still Branch Formation at a depth of 152.0 feet.	
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3014	





<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3015</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142956.9 E 621824.0</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>3/7/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>221.8</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							221.8				
SS 1	X	▲				2-4-6	18			<b>SAND, silty (SM)</b> - Red (2.5YR 4/6), damp, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	○				8-7-9	18			SAA	
SS 3	X	▲				8-12-14	18			SAA	
SS 4	X	▲				4-7-9	18	5		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/8), damp, medium dense, fine grained	
SS 5	X	○				5-13-15	18	10		SAA except red (2.5YR 4/8) and yellow (10YR 7/6)	
SS 6	X	▲				8-12-13	18			SAA except red (2.5YR 4/8), fine to coarse grained	
SS 7	X	▲				12-16-19	18	15		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), damp, dense, fine grained	
							204.8				
SS 8	X	▲				6-9-15	18	20		<b>CLAY (CH)</b> - Yellow (10YR 7/8), damp, very stiff, high plasticity	
							199.8			<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/6), damp, medium dense, fine grained	
SS 9	X	▲				6-8-8	18	25		<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/6), damp, medium dense, fine grained	
							194.8				
SS 10	X	▲				5-5-7	18	30		<b>CLAY (CH)</b> - Yellow (2.5Y 7/6), damp, stiff, high plasticity, -HCL	
							189.8				
SS 11	X	▲				4-5-10	18	35		<b>CLAY, sandy (CL)</b> - Olive yellow (2.5Y 6/6), damp, stiff, low plasticity	
							184.8				
SS 12	X	▲				3-4-4	18	40		<b>SAND, silty, clayey (SC-SM)</b> - Yellow (2.5Y 7/6), damp, loose, fine grained	
SS 13	X	▲				WOH/6"-2-3	18	45		SAA	
							174.8				
SS	X	○				WOH/6"-3-4	18			<b>*SAND, with silt (SP-SM)</b> - Pale yellow (5Y 8/3), damp, loose, fine to medium grained	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3015</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3015
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		44-5	12		55		SAA except pale yellow (5Y 8/2)	
SS 16	▲		WOR/18"	18	164.8	60		<b>SAND, silty, clayey (SC-SM)-</b> Pale yellow (5Y 8/4), damp, very loose, fine grained	Beginning to lose circulation at a depth of 59.0 feet
SS 17	▲		WOR/18"	18	159.8	65		<b>CLAY (CL)-</b> Pale yellow (5Y 8/4), damp, very soft, low plasticity, contains 0.25" to 0.5" SAND seams, -HCL	
SS 18	▲		8-9-10	3	154.8	70		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 7/3), damp, medium stiff, fine grained, -HCL	Loss of circulation at a depth of 70.0 feet
SS 19	▲		10-12-12	18		75		SAA except yellow (5Y 7/6)	
SS 20	▲		3-4-4	8		80		SAA except pale yellow (5Y 8/4), moist, loose	
SS 21			50/1"	8	137.0	85		<b>CLAY, sandy (CL)-</b> Pale olive (5Y 6/4), damp, hard, low plasticity, contains shells, +HCL	Top of Utley Limestone at a depth of 84.8 feet
SS 22	▲		16-14-16	18	134.8	90		<b>CLAY (CL)-</b> Dark greenish gray (GLE Y1 4/10Y), damp, very stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
					129.3				Water level depth at end of 2/14/07 = Ground surface
SS 23			50/1"	3		95		<b>*SILT (MH)-</b> Greenish gray (GLE Y1 5/5GY), damp, hard, high plasticity, +HCL	Water level depth at beginning of 3/5/07 = 32.0 feet
SS 24			20-50/3"	10		100		SAA	End logging by S. Woodham.
									Begin logging by L. Davis.
SS 25	+ ○ +	□	22-50/5"	18		105		SAA except greenish gray (GLE Y2 5/10Y)	Installed 6" steel casing to a depth of 95.0 feet
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3015

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3015
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗		▲ 50/4"	10	110		SAA except greenish gray (GLE Y2 6/10Y), nonplastic	Water level depth at end of 3/5/07 = Top of casing	
UD 1	■			6	115			Water level depth at beginning of 3/6/07 = 40.0 feet	
UD 1A	■			0				Pitcher	
UD 1B	■			5				Pitcher	
UD 1C	■	⊕ — + □		14	101.8			Pitcher	
SS 27	⊗		▲ 19-50/5"	15	125		*CLAY (CH)- Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, +HCL Pocket Penetrometer: >4.5 TSF SAA except moist		
SS 28	⊗	▲	8-13-27	26	130		SAA except light greenish gray (GLE Y1 7/10Y)		
SS 29	⊗	▲	11-13-11	26	135		SAA except greenish gray (GLE Y1 6/10Y), very stiff		
SS 30	⊗	▲	11-17-29	24	140		SAA except hard, low to medium plasticity	Water level depth at end of 3/6/07 = Top of casing	
UD 2	■	○		14	145		SAA except light greenish gray (GLE Y1 7/10Y), medium plasticity Pocket Penetrometer: >4.5 TSF	Water level depth at beginning of 3/7/07 = 35.0 feet Pitcher	
SS 31	⊗	▲	2-4-10	20	72.8 71.8		SAA except greenish gray (GLE Y1 6/10Y), stiff, contains minor shell hash CLAY, silty, sandy (CL-ML)- Very dark greenish gray (GLE Y1 3/5GY), moist, stiff, medium plasticity, -HCL Boring terminated at 150.0 feet	Top of Still Branch Formation at a depth of 149.0 feet	
				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3015	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-3016</b>		
LOGGED BY <b>D. Brooks</b>			COORDINATES <b>N 1142978.4 E 621913.4</b>			BEGUN <b>12/13/2006</b>		COMPLETED <b>12/21/2006</b>		
DRILLER <b>Christian-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>222.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20   40   60   80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						222.5				
SS 1	X	▲	10-13-16	14					<b>SAND, silty (SM)-</b> Red (2.5YR 4/8), damp, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲	14-16-20	13					SAA	
SS 3	X	▲	4-17-19	14			5		SAA	
SS 4	X	▲	9-19-20	16					SAA except yellowish brown (10YR 5/8)	
SS 5	X	▲	3-4-8	20		214.5			<b>SAND, with clay (SP-SC)-</b> Yellowish red (5YR 5/8), medium dense, low plasticity, -HCL	
SS 6	X	▲	10-12-17	16			10		SAA	
SS 7	X	▲	8-14-19	15		209.5			<b>SAND (SP)-</b> Yellowish red (5YR 5/8), damp, dense, nonplastic	
						205.5				
SS 8	X	▲	11-10-17	14			15		<b>SILT (ML)-</b> Yellowish red (5YR 5/8), damp, very stiff, nonplastic, -HCL	
						200.5				
SS 9	X	▲	8-8-15	13			20		<b>CLAY, with sand (CL)-</b> Yellowish brown (10YR 5/8) and yellowish red (5YR 5/8), damp, very stiff, medium plasticity, -HCL	
						195.5				
SS 10	X	▲	8-10-13	14			25		<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/8), damp, medium dense, -HCL	
						190.5				
SS 11	X	▲	10-13-18	16			30		<b>SILT, sandy (ML)-</b> Brownish yellow (10YR 6/8), damp, hard, low plasticity, -HCL	
						185.5				
SS 12	X	▲	4-6-7	18			35		<b>CLAY, with sand (CL)</b> Brownish yellow (10YR 6/8), damp, stiff, medium plasticity, -HCL	
						180.5				
SS 13	X	▲	7-10-9	14			40		<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 4/6), damp, medium dense, low plasticity, -HCL	
						175.5				
SS	X	▲	5-7-10	15			45		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), damp, medium dense, low plasticity,	Installed 4" steel casing to a depth of 15.0 feet

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3016**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3016
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								-HCL	
SS 15	⊗	▲	6-9-16	13		55		SAA	
					165.5				
SS 16	⊗	▲	10-14-20	14		60		SAND, with silt (SP-SM)- Brownish yellow (10YR 6/8), damp, dense, fine grained, nonplastic, -HCL	
SS 17	⊗	▲	5-11-11	14		65		SAA except light greenish gray (GLEY1 8/1)	
SS 18	⊗	▲	10-15-21	15		70		SAA except dense	Water level depth at end of 12/13/06 = 65.0 feet
					150.5				Water level depth at beginning of 12/14/06 = 57.1 feet
SS 19	⊗	▲	7-9-14	16		75		SAND, with silty clay (SP-SC)- Light greenish gray (10YR 7/1), damp, medium dense, low plasticity, -HCL	
SS 20	⊗	▲	7-8-11	16		80		SAA	
					142.5				Losing drilling fluid Top of Utley Limestone at a depth of 80 feet.
SS 21	⊗		50/1"	0		85		NO RECOVERY	Advanced casing to a depth of 85.0 feet Water level depth at beginning of 12/15/06 = 34.75 feet
					134.0				
SS 22	⊗	▲	10-33-26	24		90		CLAY (CL)- Gray (7.5YR 5/1), damp, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 88.5 feet End drilling by Christian-MACTEC. Begin drilling by Warren-MACTEC with a CME-75, hammer serial #211797
SS 23	⊗	▲	14-21-21	24		95		SAA except contains shell fragments	
SS 24	⊗		16-50/3"	16		100		SAA except greenish gray (GLEY2 5/1)	
SS 25	⊗		17-50/2"	10		105		SAA	
					115.5				
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3016

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3016
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26			▲ 50/1"	0		110		NO RECOVERY		
SS 27	⊗	▲	22-23-38	25	110.5	115		CLAY (CL)- Greenish gray (GLEY2 5/1), damp, hard, low plasticity, +HCL		
SS 28	⊗		▲ 50/4"	3.5		120		SAA		
SS 29	⊗		▲ 50/5"	4		125		SAA		
SS 30	⊗	▲	15-16-26	24		130		SAA		
SS 31	⊗	▲	15-20-23	25		135		SAA		
SS 32	⊗	▲	12-17-38	25		140		SAA		
SS 33	⊗	▲	18-19-24	25		145		SAA		
SS 34	⊗	▲	15-39-44	14	75.5	72.5		CLAY, with sand (CL)- Greenish gray (GLEY1 4/2), damp, hard, low plasticity, fine grained SAND, +HCL Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-3016

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3017</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1143034.4 E 621749.9</b>		BEGUN <b>2/19/2007</b>		COMPLETED <b>2/20/2007</b>			
DRILLER <b>Bilbrey-MILLER DRILLING</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				222.1					
SS 1	▲		1-1-1	17					<b>SAND, clayey (SC)</b> - Red (10R 4/6), moist, very loose, very fine grained, nonplastic, contains organics	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		1-3-9	16				SAA except red (10R 5/6), medium dense			
SS 3	□		10-16-15	14				SAA			
SS 4	▲		12-18-22	18		215.6	5	SAA			
SS 5	▲		9-10-7	17		211.6	10	<b>*SAND, silty (SM)</b> - Yellowish brown (10YR 5/8), damp, dense, very fine grained, nonplastic, contains organics			
SS 6	▲		7-9-16	16		209.1		<b>CLAY, with sand (CL)</b> - Red (10R 4/8), moist, very stiff, low plasticity, low toughness, very fine grained SAND			
SS 7	▲		9-10-17	15			15	<b>*SAND, clayey (SC)</b> - Red (10R 4/8), moist, medium dense, very fine grained, nonplastic			
SS 8	▲		10-14-18	18		200.1	20	SAA except red (2.5YR 5/8), dense, fine grained with some subrounded coarse grained			
SS 9	▲	+	3-6-9	18		195.1	25	<b>*SILT (MH)</b> - Olive yellow (2.5Y 6/8), damp, stiff, high plasticity, medium toughness			
SS 10	▲		8-10-12	16		190.1	30	<b>SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/8), medium dense, fine to medium grained, nonplastic, contains trace CLAY lenses			
SS 11	▲		5-6-8	19			35	<b>CLAY (CL)</b> - Yellow (2.5Y 7/6), moist, stiff, low plasticity, low toughness			
SS 12	▲		3-3-5	19		180.1	40	SAA			
SS 13	▲		3-4-6	20		175.1	45	<b>CLAY, with sand (CL)</b> - Yellow (2.5Y 7/6), moist, stiff, very fine grained, low plasticity, low toughness			
SS	▲		1-2-4	16				<b>SILT (ML)</b> - Pale yellow (2.5Y 8/4), moist, loose, low plasticity, low toughness			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3017**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3017
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						170.1			
SS 15	▲		6-7-12	18		55		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 7/4), moist, medium dense, very fine grained, nonplastic	
SS 16	▲		9-9-8	15		60		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/4), wet, medium dense, very fine grained, nonplastic	
SS 17	▲		WOR/18"	16		65		<b>CLAY, with sand (CL)</b> - Pale yellow (2.5Y 7/3), moist, very soft, low plasticity, low toughness, very fine grained SAND	Loss of circulation at a depth of 63.5 feet
SS 18	▲		WOR/30"	22		70		SAA except pale yellow (2.5Y 8/4), wet	
SS 19	▲		3-4-8	16		75		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/2), wet, medium dense, very fine grained, nonplastic	
SS 20	▲		1-1-2	18		80		SAA except very loose	
SS 21			50/1"	1		85		<b>*SHELL HASH, with clay (GP-GC)</b> - Pale yellow (2.5Y 8/2), moist, very dense, angular, +HCL	Top of Utley Limestone at a depth of 83.5 feet
SS 22	▲		10-13-16	18		90		<b>*SILT (MH)</b> - Greenish gray (GLEY1 5/5GY), damp, very stiff, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 86.0 feet
UD 1		○ — — □		24		95		SAA	Water level depth at end of 2/19/07 = 65.0 feet Pitcher Water level depth at beginning of 2/20/07 = 65.0 feet
SS 23			50/5"	8		100		SAA except hard	
SS 24	▲		10-14-19	19		105		SAA except greenish gray (GLEY1 5/10Y)	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3017



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3017
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25	×		▲ 30-50/4"	8		110		SAA except greenish gray (GLE Y1 5/5GY)	Pitcher
UD 2	■	○		27		115		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	
SS 26	×	▲	28-33-29	22		120		SAA	
SS 27	×	▲	14-14-31	22		125		SAA except greenish gray (GLE Y1 6/5GY), moist	
SS 28	×	▲	12-13-22	18		130		SAA	
SS 29	×	▲	13-14-20	22		135		SAA	
SS 30	×	▲	15-16-28	18		140		SAA	
SS 31	×		▲ 13-50/3"	10		145		SAA	
SS 32	×	▲	9-9-15	23	72.1	150		SAA	
								Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3017

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3018</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142738.1 E 622115.8</b>		BEGUN <b>2/12/2007</b>		COMPLETED <b>3/9/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>219.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							219.8				
SS 1	X	▲		1-8-11	16		219.8			<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), dry, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X			13-18-20	17					SAA	
SS 3	X	▲		12-16-15	18					SAA	
SS 4	X	○		7-9-11	18					SAA	
SS 5	X	▲		11-10-11	18					SAA except red (2.5YR 5/8) and brownish yellow (2.5YR 6/8), damp	
SS 6	X	▲		8-12-13	12					SAA except red (2.5YR 5/8)	
SS 7	X	○		12-13-14	15					SAA except fine to medium grained	
							202.8				
SS 8	X	▲		8-11-12	14					<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine grained	
SS 9	X	▲		9-13-17	16					SAA	
SS 10	X	○		5-6-11	18					SAA except yellow (2.5Y 7/6), medium dense, fine grained	
							187.8				
SS 11	X	▲		8-7-7	14					<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, stiff, low plasticity, fine to medium grained SAND	
							182.8				
SS 12	X	▲		4-4-7	13					<b>CLAY (CL)</b> - Light yellowish brown (2.5Y 6/4), damp, stiff, medium plasticity	
							177.8				
SS 13	X	▲		4-6-8	16					<b>SAND, with silt (SP-SM)</b> - Yellow (2.5Y 7/6), damp, medium dense, fine grained	
							172.8				
SS	X	▲		2-3-3	18					<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 7/3), damp, medium stiff, low plasticity	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3018**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3018
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					167.8			Water level depth at end of 2/12/07 = Ground surface Loss of circulation at a depth of 52.0 feet Water level depth at beginning of 2/13/07 = 50.0 feet	
SS 15	▲		6-2-5 19		55		<b>CLAY, sandy (CH)</b> - Pale yellow (5Y 8/4), damp, medium stiff, medium to high plasticity, contains shell fragments, +HCL		
				162.8					
SS 16	▲		7-13-13 12		60		<b>SAND (SP)</b> - Yellow (2.5Y 7/6), damp, medium dense, fine grained, -HCL		
				157.8					
SS 17	▲		11-10-8 6		65		<b>CLAY, with sand (CH)</b> - Light yellowish brown (2.5Y 6/4), very stiff, medium to high plasticity, -HCL		
				152.8					
SS 18	▲		2-3-4 18		70		<b>CLAY (CH)</b> - Pale yellow (2.5Y 7/3), stiff, high plasticity, -HCL		
				147.8					
SS 19	▲		6-11-13 18		75		<b>*CLAY, silty (CL-ML)</b> - Pale yellow (2.5Y 7/3), very stiff, low plasticity, contains shell fragments, +HCL		
				142.8					
SS 20	▲		13-13-17 17		80		<b>*SHELL HASH, clayey (GC)</b> - Pale yellow (2.5Y 8/4), damp, dense, +HCL	Top of Utley Limestone at a depth of 77.0 feet	
				137.8					
SS 21	▲		4-9-20 18		85		<b>CLAY (CL)</b> - Pale olive (5Y 6/4), damp, very stiff, low plasticity, +HCL		
				132.8					
SS 22	▲		13-15-16 18		90		<b>CLAY (CL)</b> - Greenish gray (GLE1 6/10Y), damp, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet Water level depth at end of 2/16/07 = Ground surface	
				126.8					
UD 1					95			Water level depth at beginning of 3/7/07 = 45.0 feet Installed 6" steel casing to a depth of 95.0 feet End logging by S. Woodham. Begin logging by L. Davis. Pitcher	
SS 23	▲		16-18-20 25		100		<b>*SILT, sandy (MH)</b> - Greenish gray (GLE1 5/5GY), damp, high plasticity, +HCL Pocket Penetrometer: >4.5 TSF SAA except greenish gray (GLE2 5/10Y), hard		
SS 24	▲		11-50/5" 11		105		SAA except greenish gray (GLE1 5/10Y)		
				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3018	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3018
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25			10-22-50/5"	20	110		SAA except greenish gray (GLEY1 6/10Y), contains shell hash	Pitcher Water level depth at beginning of 3/8/07 = 42.0 feet	
UD 2				12	107.8				
SS 26			11-11-50/4"	20	115		*SILT (MH)- Greenish gray (GLEY1 6/10Y), damp, hard, high plasticity, contains shell hash, +HCL Pocket Penetrometer: >4.5 TSF		
SS 27			12-50/5"	14	102.8		CLAY (CL)- Greenish gray (GLEY1 6/10Y), damp, hard, low to medium plasticity, +HCL		
SS 28			35-22-30	19	120		SAA except low plasticity		
SS 29			19-22-25	25	125		SAA except medium plasticity		
SS 30			11-15-33	25	130		*CLAY, with sand (CL)- Light greenish gray (GLEY1 7/5GY), damp, hard, nonplastic to low plasticity, +HCL		
SS 31			10-11-10	24	135		SAA except light greenish gray (GLEY1 7/10Y), low plasticity		
UD 3				15	140		SAA		
SS 32			22-26-32		145		SAA except greenish gray (GLEY1 5/10Y and 7/10Y), contains shell hash Pocket Penetrometer: 3.5 TSF	Pitcher	Top of Still Branch Formation at a depth of 152.0 feet Water level depth at end of 3/8/07 = Top of casing
					67.8		SAND, silty (SM)- Gray (2.5Y 6/1), moist, very dense, medium grained, nonplastic, -HCL SAND, silty, clayey (SC-SM)- Very dark greenish gray (GLEY1 3/10GY), very dense, fine grained, low plasticity, +HCL Boring terminated at 155 feet		
				SITE Vogtle Units 3 & 4 COL Project					HOLE NO.
				Final Log					B-3018



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3019</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142977.4 E 622167.5</b>		BEGUN <b>2/26/2007</b>		COMPLETED <b>3/8/2007</b>			
DRILLER <b>Melvin-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>153.8</b>	
GROUND EL. <b>222.4</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X	▲	2-16-18	14		222.4			<b>SAND, silty (SM)-</b> Red (2.5YR 5/8) to light gray (2.5Y 7/2), dry, medium dense SAA except red (2.5YR 5/8) and yellow (7.5Y 7/8), damp, very dense SAA except red (10R 4/8), dry, medium dense SAA SAA SAA except dense SAA except medium dense SAA except red (2.5YR 5/8), damp	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X		8-20-32	18							
SS 3	X	▲ □	6-15-12	14		5					
SS 4	X	▲	9-9-11	6							
SS 5	X	▲	10-13-11	14		10					
SS 6	X	▲	10-19-22	14							
SS 7	X	▲	6-12-10	11		15					
SS 8	X	□ ▲	10-12-12	14		20					
SS 9	X	▲	7-9-7	6		200.4					
SS 10	X	▲	4-6-7	15		25					
SS 11	X	▲	6-9-10	12		30					
SS 12	X	▲	3-5-7	18		190.4					
SS 13	X	▲	7-8-12	15		185.4					
SS	X	▲	7-8-10	8		180.4			Water level depth at end of 2/26/07 = Ground surface  Water level depth at beginning of 2/27/07 = 21.0 feet		
						175.4					
								<b>SAND, silty (SM)-</b> Yellow (10YR 7/6), dry, medium dense			

PREPARED BY: A. TAYLOR  
 REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3019**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3019
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						170.4			
SS 15	▲		2-3-7	18		55		SILT (ML) - Pale yellow (5Y 8/3), damp, stiff	
SS 16		▲	6-18-20	8		60		SAND (SP) - Pale yellow (2.5Y 7/4), damp, dense	
SS 17	▲		8-8-4	5		65		SAND, with silt (SP-SM)- Yellow (2.5Y 8/6), wet, medium dense	
SS 18	▲		WOR/6"-WOH/612			70		SILT (ML) - Yellow (2.5Y 7/6), damp, soft	
SS 19	▲		WOR/18"	18		75		SAA except pale yellow (5Y 8/3)	
SS 20		▲	12-24-32	10		80		*SHELL HASH, silty (GM)- Pale yellow (2.5Y 8/3), wet, very dense, +HCL	Loss of circulation at a depth of 75.0 feet Top of Utley Limestone at a depth of 77.0 feet
SS 21			50/2"	2		85		SAA	
SS 22		▲	9-12-16	18		90		CLAY (CL) - Greenish gray (GLEY1 5/1/5GY), damp, very stiff, +HCL	Top of Blue Bluff Marl at a depth of 86.75 feet
UD 1		○		24		95		SILT (ML) - Greenish gray (GLEY1 5/1/5GY), moist, hard, contains shell hash Pocket Penetrometer: >4.5 TSF	Installed 6" casing to a depth of 93.0 feet (casing installed by Graves Drilling) Pitcher
SS 23			23-50/4"	15		100		SAA	
SS 24			40-50/2"	5		105		*LIMESTONE - Greenish gray (GLEY1 5/1/5GY), very dense	
						115.4			
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3019

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3019						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25								26-50/2"	10	110		*SILT (MH)- Greenish gray (GLEY1 5/1/5GY), damp, hard, contains minor shell hash	Pitcher	
UD 2									10	110.4		*LIMESTONE- Greenish gray (GLEY1 5/1/5GY) Pocket Penetrometer: >4.5 TSF		
UD 3									15	115		SAA Pocket Penetrometer: >4.5 TSF	Pitcher	
SS 26								23-19-38	18	120		*CLAY (CH)- Greenish gray (GLEY1 6/1/10Y), damp, hard, +HCL	Top of Still Branch Formation at a depth of 148.0 feet	
SS 27								50/2"	10	125		SAA except contains minor shell hash		
SS 28								9-12-18	18	130		SAA except no shell hash		
SS 29								20-16-30	18	135		SAA		
SS 30								9-29-23	18	140		SAA		
SS 31								13-19-40	10	145		SAND, clayey (SC)- Very dark gray and dark greenish gray (GLEY1 4/1/10GY), moist, very dense, -HCL		
SS 32								50/3"	0	74.4		NO RECOVERY Boring terminated at 153.75 feet		
										70.4				
										68.7				
										SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3019

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3020</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142977.9 E 622074.8</b>		BEGUN <b>2/19/2007</b>		COMPLETED <b>3/13/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>149.4</b>	
GROUND EL. <b>222.4</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.4				
SS 1	X	▲		4-7-10	14					<b>CLAY, sandy (CL)</b> - Red (10R 4/8), and yellowish brown (10YR 5/8), dry, very stiff, low plasticity SAA	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		8-14-18	16		219.2				
SS 3	X	▲		9-17-17	18			5	<b>SAND, silty, clayey (SC-SM)</b> - Red (2.5YR 4/8), damp, dense, fine to medium grained SAA except medium dense		
SS 4	X	▲		10-14-14	18		214.4				
SS 5	X	▲		10-12-14	18			10	<b>SAND, clayey (SC)</b> - Red (2.5YR 4/6), damp, medium dense, fine grained SAA		
SS 6	X	▲		9-14-16	18		209.4				
SS 7	X	▲		8-11-13	16		205.4	15	<b>SAND, silty (SM)</b> - Red (2.5YR 4/8), damp, medium dense, fine grained		
SS 8	X	▲		9-11-15	12		200.4	20	<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine grained		
SS 9	X	▲		8-8-10	16			25	<b>SAND, with silty clay (SP-SC)</b> - Brownish yellow (10YR 6/8), damp, medium dense, fine grained SAA		
SS 10	X	▲		9-8-9	12		190.4	30			
SS 11	X	▲		7-7-8	18			35	<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/6), damp, medium dense, fine grained SAA		
SS 12	X	▲		7-7-9	12		180.4	40			
SS 13	X	▲		3-7-11	14			45	<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), damp, medium dense, fine to medium grained, contains some black and white CLAY seams SAA except loose		
SS	X	▲		3-3-3	16						

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3020**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3020					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14										170.4			
SS 15	▲						WOH/18"	18		55		CLAY (CL)- Pale yellow (5Y 8/3), damp, very soft, low plasticity, -HCL	
SS 16	▲						13-14-17	18		60		SAND, with silt (SP-SM)- Pale brown (10YR 6/3), moist, dense, fine to medium grained, -HCL	
SS 17	▲						5-4-6	12		65		CLAY (CL)- Pale yellow (5Y 7/4), damp, stiff, low plasticity, -HCL	
SS 18	▲						WOH/18"	15		70		CLAY, silty (CL-ML)- Yellow (5Y 8/6), damp, very soft, low plasticity, -HCL	
SS 19	▲						10-9-11	18		75		SAND (SP)- Pale yellow (5Y 8/3), moist, medium dense, medium grained, -HCL	
SS 20	▲						5-2-7	18		80		SAND, with silt (SP-SM)- Pale yellow (5Y 8/3), damp, loose, medium to coarse grained, -HCL	
SS 21	▲						50/3"	3		85		CLAY (CL)- Olive (5Y 5/4), damp, stiff, low plasticity, -HCL	Water level depth at end of 2/19/07= 20.0 feet
SS 22	▲						9-10-14	22		90		CLAY, sandy (CL)- Pale yellow (5Y 8/4), damp, hard, low plasticity, contains shell fragments and cemented layers, +HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 23	▲						8-9-15	24		95		CLAY (CL)- Greenish gray (GLE Y1 5/10GY), damp, very stiff, low plasticity, +HCL	Water level depth at beginning of 2/20/07= 63.0 feet
SS 24	▲						50/5"	11		100		CLAY, silty (CL-ML)- Dark greenish gray (GLE Y1 4/10GY), damp, very stiff, low plasticity, +HCL	Loss of circulation at a depth of 84 feet
UD 1								15		105		SILT (ML)- Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, contains shell hash, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
												CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/5GY), moist, low plasticity, +HCL	Water level depth at beginning of 3/12/07= 40.0 feet
													Installed 6" steel casing to a depth of 94.0 feet
													End logging by S. Woodham.
													Begin logging by L. Davis.
													Pitcher
SITE									Vogtle Units 3 & 4 COL Project				HOLE NO.
									Final Log				B-3020

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3020
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25	⊗	▲	22-42-48	25		110		SAA except greenish gray (GLE Y1 6/10Y), damp, hard, contains shell hash	
SS 26	—		50/1"	1		115		SAA except greenish gray (GLE Y1 6/5GY), moist, contains compacted zones	
SS 27	⊗		50/5"	7		105.4			
SS 28	⊗	▲	19-37-36	14		120		CLAY (CL)- Greenish gray (GLE Y1 6/10Y), moist, hard, low plasticity, contains compacted zones, +HCL	
SS 29	⊗		18-19-50/5"	24		100.4			
UD 2	■			25		125		CLAY, silty (CL-ML)- Light greenish gray (GLE Y1 7/10Y), damp, hard, low plasticity, +HCL	
SS 30	⊗	▲	29-26-24	27		95.4		CLAY (CL)- Light greenish gray (GLE Y1 7/10Y), damp, hard, medium plasticity, +HCL	
SS 31	⊗	▲	15-19-27	23		130		CLAY, silty (CL-ML)- greenish gray (GLE Y1 6/10Y to 7/10Y), damp, medium plasticity, +HCL Pocket Penetrometer: 4.0 TSF	Pitcher Water level depth at beginning of 3/13/07= 40.0 feet
SS 32	⊗		24-50/5"	10		135		CLAY (CL)- Light greenish gray (GLE Y1 7/10Y), moist, hard, medium plasticity, +HCL	
						140		CLAY, silty (CL-ML)- Light greenish gray (GLE Y1 7/10Y), moist, hard, low plasticity, contains minor shell hash, +HCL	
						145		SAND, silty (SM)- Very dark greenish gray (GLE Y1 4/5G), moist, very dense, fine to medium grained, nonplastic, -HCL Boring terminated at 149.42 feet	Top of Still Branch Formation at a depth of 147.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3020

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3021</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1143070.2 E 622033.2</b>		BEGUN <b>2/16/2007</b>		COMPLETED <b>3/14/2007</b>			
DRILLER <b>Giesecke-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>311025</b>		TOTAL DEPTH <b>154.5</b>	
GROUND EL. <b>223.2</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							223.2				
SS 1	X	▲		4-8-12	18					SAND, with silt (SP-SM)- Red (2.5YR 4/8), damp, medium dense, medium grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		12-13-14	18		219.9			SAA except red (2.5YR 5/8)	
SS 3	X	▲		6-7-9	18		217.7	5	CLAY (CL)- Red (2.5YR 5/6), damp, very stiff		
SS 4	X	▲		7-12-14	18				CLAY, sandy (CL)- Red (2.5YR 5/8), damp, very stiff		
SS 5	X	▲		8-13-15	15		212.7	10	SAA		
SS 6	X	▲		6-12-13	15				SAND, clayey (SC)- Red (2.5YR 4/8), damp, medium dense, medium grained		
SS 7	X	▲		9-10-11	15.5		15		SAA		
SS 8	X	▲		7-11-11	15		20		SAA except red (2.5YR 5/8) and yellowish red (5YR 5/8), moist		
SS 9	X	▲		7-8-9	18		25		SAA except yellowish red (5YR 5/8)		
SS 10	X	▲		5-6-11			196.2	30	CLAY (CL)- Yellow (10YR 7/8), damp, very stiff		
SS 11	X	▲		5-6-8	16		191.2				
SS 12	X	▲		3-4-9	18		186.2	35	SAND, with silt (SP-SM)- Yellowish brown (10YR 5/4) to 10YR 5/6, moist, medium dense, medium to coarse grained		
SS 13	X	▲		5-9-12	10		181.2	40	SILT (ML)- Yellow (2.5Y 7/6), damp, stiff, low plasticity		
SS	X	▲		4-6-4	18			45	SAND, clayey (SC)- Brownish yellow (10YR 6/6), moist, medium dense, medium to coarse grained, -HCL		
									SAA except reddish yellow (5YR 6/6), loose, medium grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3021**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3021
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14									
SS 15		▲	6-9-13	13	55		SAA except reddish yellow (7.5YR 6/8), medium dense, low plasticity	Water level depth at end of 2/16/07 = Ground surface End logging by M. Herrera. Begin logging by D. Brooks. Water level depth at beginning of 2/20/07 = 5.25 feet	
SS 16		▲	10-14-21	14	60		SAND, with silt (SP-SM)- Yellow (2.5Y 8/6), moist, dense, medium grained, nonplastic, -HCL		
SS 17		▲	5-6-10	18	65		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/3), damp, very stiff, low plasticity, +HCL		
SS 18		▲	4-6-8	16	70		SAA except stiff		
SS 19		▲	8-11-15	14	75		SAND, with silt (SP-SM)- Pale yellow (2.5Y 8/2), moist, medium dense, medium grained, -HCL		
SS 20		▲	14-21-19	15	80		*SHELL HASH, silty, clayey (GC-GM)- Pale yellow (5Y 8/3), moist, dense, +HCL	Top of Utley Limestone at a depth of 77.0 feet	
SS 21		▲	34-42-37	4	85		SAA except very dense	Loss of circulation at a depth of 83.0 feet	
SS 22		▲	7-9-24	20	90		SILT (ML) - Greenish gray (GLE Y1 5/5GY), damp, hard, nonplastic, +HCL	Top of Blue Bluff Marl at a depth of 86.0 feet	
SS 23		▲	9-16-18	18	95		CLAY, silty (CL-ML)- Dark greenish gray (GLE Y1 4/10Y), damp, hard, nonplastic to low plasticity, contains shell fragments, +HCL	Water level depth at beginning of 3/9/07 = 39.0 feet End logging by D. Brooks. Begin logging by B. Sharp. Changed from a 2 7/8 inch to a 5 7/8 inch drilling bit.	
SS 24			50/4"	4	100		SAA except contains cementation	Water level depth at end of 3/9/07 = 6.5 feet	
UD 1		○		12	105		SAA except abundant cementation Pocket Penetrometer: >4.75 TSF	Water level depth at beginning of 3/12/07 = 3.0 feet Pitcher	
				SITE	Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3021

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3021
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25	⊗	▲	27-38-49	18		110		SAA	Water level depth at end of 3/12/07 = Ground surface
SS 26	⊗		2-29-50/3"	15		115		SAA except greenish gray (GLE Y1 5/5GY)	
SS 27	⊗	▲	8-24-29	18		120		SAA except minor cementation and shell fragments	
SS 28	⊗	▲	28-41-42	18		125		SAA except greenish gray (GLE Y1 6/10Y), no shell fragments	
SS 29	⊗	▲	8-14-17	18		130		SAA except no shells or cementation	
SS 30	⊗	▲	8-11-19	18		135		SAA except very stiff to hard	
SS 31	⊗		6-29-50/4"	16		140		SAA except hard, contains some cementation	
SS 32	⊗	▲	17-20-32	18		145		SAA except no cementation	
UD 2	⊗	□ ○		10	75.2	150		*SAND, with silt (SP-SM)- Very dark greenish gray (GLE Y1 3/10Y), wet, medium dense to dense, fine to medium grained, -HCL Pocket Penetrometer: 1.25 TSF	Top of Still Branch Formation at a depth of 148.0 feet Pitcher Water level depth at end of 3/13/07 = 17.0 feet Water level depth at beginning of 3/14/07 = 31.0 feet Pitcher
UD 3	⊗	□ ○		12	68.7			SAA except greenish black (GLE Y1 2.5/10Y), dense Pocket Penetrometer: >4.75 TSF Boring terminated at 154.5 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3021



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3022</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1143069.8 E 621873.4</b>		BEGUN <b>1/4/2007</b>		COMPLETED <b>1/9/2007</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>223.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						223.9					
SS 1	X	▲	2-2-2	6					<b>SAND (SP)</b> - Reddish brown (5YR 4/4), damp, loose, fine to medium grained SAA except yellowish red (5YR 5/8)	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	2-2-6	10							
SS 3	X	▲	6-8-12	14		218.4	5	SAA except medium dense			
SS 4	X	▲	7-11-14	15				<b>SAND, with silt (SP-SM)</b> - Red (10R 4/8), medium dense, fine to medium grained, nonplastic			
SS 5	X	▲	7-15-26	16		213.4	10	SAA except yellowish red (5YR 5/8), dense, low plasticity			
SS 6	X	▲	6-4-7	15				<b>SILT (ML)</b> - Reddish yellow (7.5YR 6/8), stiff, low plasticity, -HCL			
SS 7	X	▲	4-6-11	18		206.9	15	SAA except red (2.5YR 4/8)			
SS 8	X	▲	6-11-13	19		201.9	20	<b>SAND, with clay (SP-SC)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense, medium grained, low plasticity, -HCL			
SS 9	X	▲	6-7-13	18		196.9	25	<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense, fine to medium grained, low plasticity, -HCL			
SS 10	X	▲	4-7-10	18		191.9	30	<b>SILT (ML)</b> - Brownish yellow (10YR 5/8), damp, very stiff, low plasticity, -HCL			
SS 11	X	▲	6-9-12	16		186.9	35	<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10R 6/8), damp, medium dense, medium grained, nonplastic, -HCL			
SS 12	X	▲	5-5-8	18		182.1	40	<b>CLAY, silty with sand (CL-ML)</b> - Brownish yellow (10YR 6/8), damp, stiff, low plasticity, -HCL			
SS 13	X	▲	4-12-28	18		176.9	45	<b>SAND, with silt (SP-SM)</b> - Very pale brown (10YR 8/4), damp, dense, nonplastic, contains shell fragments, +HCL			
SS	X	▲	10-17-18	16				<b>SAND, with clay (SP-SC)</b> - White (7.5YR 8/1), damp, dense, medium grained, contains			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3022**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3022
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					171.9			shell fragments, +HCL	
SS 15	⊗	▲	8-13-16	10		55		SAND (SP) - Very pale brown (10YR 8/4), damp, medium dense, medium grained, -HCL	
SS 16	⊗	▲	10-11-18	14		60		SAA except contains shell fragments, +HCL	
SS 17	⊗	▲	12-13-17	18		65		SAND, with clay (SP-SC)- White (7.5YR 8/1), damp, medium dense, fine to medium grained, low plasticity, contains shell fragments, +HCL	
SS 18	⊗	▲	1-1-2	14		70		SAND (SP) - White (7.5YR 8/1), damp, very loose, medium grained, -HCL	Loss of circulation at a depth of 66.0 feet Installed 3" steel casing to a depth of 75.0 feet
SS 19	⊗	▲	6-7-9	13		75		SAA except medium dense	
SS 20	⊗	▲	1-1-1	12		80		SAA except moist, very loose	Water level depth at end of 1/04/07 = ground surface Water level depth at beginning of 1/05/07 = 70.0 feet Casing advanced to a depth of 85.0 feet
SS 21	⊗		50/3"	0		85		NO RECOVERY	
SS 22	⊗	▲	10-11-18	18		90		SILT (ML) - Greenish gray (GLEW 2 5/1), damp, very stiff, non plastic, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
SS 23	⊗	▲	10-14-26	16		95		SAA except hard	
SS 24	⊗		50/2"	0		100		NO RECOVERY	
SS 25	⊗		11-16-50/4"	15		105		SAA	Water level depth at end of 1/05/07 = ground surface Water level depth at beginning of 1/08/07 = 63.25 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3022

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3022
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗		▲ 26-44-50/5"	18		110		SAA	Water level depth at end of 1/08/07 = ground surface  Water level depth at beginning of 1/09/07 = 63.25 feet          Top of Still Branch at a depth of 146.5 feet	
SS 27	⊗		▲ 18-50/3"	6		115		SAA		
SS 28	⊗		▲ 31-40-49	18		106.9				
SS 29	⊗		▲ 8-40-50/2"	16		120		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEY2 5/1), damp, hard, low plasticity, +HCL		
SS 30	⊗		▲ 14-41-43	18		101.9		<b>SILT (ML)</b> - Greenish gray (GLEY2 5/1), damp, hard, non plastic, HCL+		
SS 31	⊗		▲ 27-50/3"	8		125		SAA except low plasticity		
SS 32	⊗		▲ 9-19-29	18		130		SAA		
SS 33	⊗		▲ 8-12-17	18		135		SAA except nonplastic		
SS 34	⊗		▲ 21-34-44	16		140		SAA except very stiff		
						145				
						77.4				
						73.9		<b>SAND (SP)</b> - Dark greenish gray (GLEY1 4/1), damp, very dense, fine to medium grained, +HCL Boring terminated at 150 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-3022	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3023</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1143061.1 E 621679.9</b>		BEGUN <b>2/16/2007</b>		COMPLETED <b>2/18/2007</b>			
DRILLER <b>Bilgrey-MILLER DRILLING</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>150.5</b>	
GROUND EL. <b>222.8</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.8				
SS 1	X	▲		2-3-6	17					<b>SAND, with clay (SC)-</b> Red (2.5YR 4/8), damp, loose, very fine grained, nonplastic, contains organic material SAA except medium dense	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		3-5-10	9						
SS 3	X			13-20-22	19		218.8			SAA	
SS 4	X	▲		7-16-19	15		214.8	5		<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), damp, dense, very fine grained, nonplastic, mostly quartz sand SAA except red (10R 4/8), medium dense	
SS 5	X	▲		7-8-10	9			10		<b>SAND, with clay (SP-SC)-</b> Strong brown (7.5YR 4/6) moist, medium dense, fine grained, non to low plasticity SAA except red (10R 4/6), very fine grained, nonplastic	
SS 6	X	▲		6-7-9	16					SAA	
SS 7	X	▲		7-9-10	17			15			
SS 8	X	▲		9-14-16	17		200.8	20		SAA except red (2.5YR 5/8), dense	
SS 9	X	▲		3-9-13	14		195.8	25		<b>CLAY (CL)-</b> Yellowish red (5YR 5/8), moist, very stiff, low plasticity, contains a trace of fine SAND laminated throughout last 2" of sample	
SS 10	X	▲		9-14-13	15			30		<b>SAND, with clay (SC)-</b> Strong brown (7.5YR 5/8) moist, medium dense, fine grained, nonplastic	Water level depth at end of 2/16/07 = Ground surface
SS 11	X	▲		7-9-11	18		185.8	35		SAA except brownish yellow (10YR 6/8), contains traces of CLAY lenses	Water level depth at beginning of 2/17/07 = Borehole dry
SS 12	X	▲		5-9-12	13		180.8	40		<b>SILT (ML)-</b> Yellow (10YR 7/8), moist, very stiff, low plasticity, low toughness, laminations observed, contains traces of very fine SAND	
SS 13	X	▲		4-5-9	20		175.8	45		<b>CLAY (CL)-</b> Yellow (2.5Y 7/6), moist, stiff, low plasticity, low toughness	
SS	X	▲		7-9-10	12					<b>SAND, with clay (SP-SC)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine grained.	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3023**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 3		HOLE NO. B-3023			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14												nonplastic		
SS 15	⊗	▲				5-7-10	16			55		SAA		
SS 16	⊗	▲				8-9-11	15			60		SAA		
SS 17	⊗	▲				8-10-14	15			160.8				
										156.3		SAND, with silt (SP-SM)-Light yellowish brown (10YR 6/4), wet, medium dense, fine to medium grained, nonplastic		
SS 18	⊗	▲				WOH/18"	16			70		CLAY, with sand (CL)- Light yellowish brown (2.5Y 6/3), wet, very soft, low plasticity, low toughness, fine grained SAND, -HCL	Loss of circulation at a depth of 66.5 feet	
SS 19	⊗	▲				WOH/18"	12			75		SAA		
SS 20	⊗	▲				2-4-3	8			80		SAND, with clay (SP-SC)- Pale yellow (5Y 8/3), wet, loose, fine grained, nonplastic, low toughness		
SS 21	—					50/1"	1			139.3		*SHELL HASH, with clay (GP-GC) Pale yellow (2.5Y 8/4), wet, very dense, angular grave consists of cemented limestone fragments, fossils observed, +HCL	Top of Utley Limestone at a depth of 83.5 feet	
										136.8			Top of Blue Bluff Marl at a depth of 86 feet	
SS 22	⊗	▲				7-12-17	18			90		CLAY (CH) Dark greenish gray (GLE Y1 4/5GY), damp, very stiff, high plasticity, +HCL		
UD 1	■	○					11			95		SAA except hard, high toughness Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
SS 23	⊗					11-19-50/3"	16			100		SAA except medium toughness		
UD 2	■	+○□+					18			105		SAA Pocket Penetrometer: >4.5 TSF, 4.0 TSF, 4.5 TSF.	Pitcher Water level depth at end of 2/17/07= 67.0 feet Water level depth at	
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3023	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3023
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 24	⊗		▲ 2-12-50/3"	23		110		SAA except greenish gray (GLE Y1 5/5GY), moist	beginning of 2/18/07 = 65.0 feet  Pitcher
UD 3	■	○				115		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, 2.5 TSF	
SS 25	⊗	▲	8-8-15	19		120		SAA except greenish gray (GLE Y1 5/10Y), very stiff	
SS 26	⊗	▲	16-17-14	22		125		SAA except greenish gray (GLE Y1 6/5GY), hard	
SS 27	⊗	▲	8-12-15	20		130		SAA except very stiff	
SS 28	⊗	▲	17-33-22	20		135		SAA except hard	
SS 29	⊗	▲	17-22-19	22		140		SAA	
SS 30	⊗		▲ 19-50/3"	20		145		SAA	
UD 4	■	○		30	73.8 72.3	150		SAA SAND, with silt (SP-SM)- Very dark greenish gray (GLE Y1 3/10Y), moist, medium dense, very fine grained, nonplastic, -HCL Boring terminated at 150.5 feet	
									Pitcher Top of Still Branch Formation at a depth of 149.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3023

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3024</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1142905.8 E 621399.7</b>				BEGUN <b>2/20/2007</b>		COMPLETED <b>2/27/2007</b>	
DRILLER <b>Banks-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>220.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							











  

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					220.2				
SS 1	X	▲	5-4-5	11						<b>SAND, silty (SM)-</b> Red (2.5YR 4/8), dry to damp, loose, fine grained, low plasticity	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X		11-11-12	18						SAA except strong brown (7.5YR 4/6), medium dense	
SS 3	X	■	5-7-8	9.5			5			SAA	
SS 4	X	▲	2-3-2	9						SAA except strong brown (7.5YR 5/6), loose	
SS 5	X	▲	2-3-4	13						SAA except yellowish red (5YR 5/6)	
SS 6	X	▲ □	4-9-11	16			10			SAA except red (2.5YR 4/8), medium dense	
SS 7	X	▲	9-13-13	13.5						SAA	
						203.2					
SS 8	X	▲ □	5-8-10	16						<b>SAND, clayey (SC)-</b> Red (2.5YR 4/8), dry to damp, medium dense, fine grained, low plasticity	
SS 9	X	▲	7-10-15	13						SAA except contains CLAY seams	
SS 10	X	▲	3-4-7	16						SAA except brownish yellow (10YR 6/6), contains CLAY seams and phosphate grains	
SS 11	X	▲ □	4-4-7	13						SAA except damp	
						183.2					
SS 12	X	▲	3-4-5	18						<b>CLAY, silty with sand (CL-ML)-</b> Brownish yellow (10YR 6/6), damp, stiff, medium plasticity, fine grained SAND, contains SAND seams and trace phosphates	
SS 13	X	▲	3-3-3	18						SAA except medium stiff	
						173.2					
SS	X	▲	5-7-6	16.5						<b>SAND, clayey (SC)-</b> Strong brown (7.5YR 5/8), damp, medium dense, fine grained, low plasticity	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3024</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3024
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								plasticity, contains trace phosphate grains	
SS 15	▲ □		2-4-4	18		55		SAA except yellowish brown (10YR 5/6), loose	
SS 16	▲		6-8-9	17		60		SAA except yellowish red (5YR 5/8)	
SS 17	□ ▲		5-8-11	12	158.2	65		*SAND, with clay (SP-SC)- Brownish yellow (10YR 6/6), damp, loose, fine grained, low plasticity, contains CLAY seams	Water level depth at end of 2/20/07 = Top of casing
SS 18	▲		9-6-7	6		70		SAA except very pale brown (10YR 7/4)	
SS 19	▲		2-3-4	18		75		SAA except yellow (10YR 8/6), loose	
SS 20	▲		2-2-4	18		80		SAA except yellow (2.5Y 7/6)	
SS 21	▲		8-7-8	18	138.2	85		*CLAY (CH)- Pale yellow (5Y 7/4), dry, stiff, low plasticity, contains trace shell fragments and phosphate grains, +HCL	Top of Blue Bluff Marl at a depth of 82.0 feet
SS 22	▲		18-50/4"	12		90		SAA except dark greenish gray (GLE Y1 4/10Y), hard	
SS 23	▲		8-12-16	18		95		SAA except dark greenish gray (GLE Y1 4/10GY), dry to damp, very stiff	
UD 1	○			22		100		SAA except greenish gray (GLE Y1 5/5GY), damp, contains cemented SAND in bottom Pocket Penetrometer: >4.5 TSF	Water level depth at end of 2/21/07 = Top of casing Pitcher
SS 24	▲		50/3"	9		105		SAA except dry to damp, contains cemented SAND	Water level depth at end of 2/26/07 = Top of casing Water level depth at beginning of 2/27/07 = 34.0 feet
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-3024

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3024				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
SS 25	⊠					▲ 50/5"	9		110		SAA	Pitcher
SS 26	⊠					▲ 7-50/6"	16		115		SAA	
UD 2		+	-	-	□		16		120		SAA except dark greenish gray (GLEY1 4/5GY to 5/5GY), damp, contains cemented SAND in bottom Pocket Penetrometer: >4.5 TSF	
SS 27	⊠					▲ 50/2"	6		125		SAA except greenish gray (GLEY1 5/5GY), dry to damp	
SS 28	⊠					▲ 34-50/1"	11		130		SAA	
SS 29	⊠					▲ 2-22-50/3"	18		135		SAA except greenish gray (GLEY1 6/5GY)	
SS 30	⊠					▲ 31-21-32	18		140		SAA	
SS 31	⊠					▲ 6-8-11	18		145		SAA except very stiff	
SS 32	⊠					▲ 8-20-18	18	70.2	150		SAA except hard	
											Boring terminated at 150 feet	
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3024

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3025</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142460.4 E 621425.3</b>		BEGUN <b>2/2/2007</b>		COMPLETED <b>2/7/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>218.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				218.2					
SS 1	×	▲	5-10-7	15		217.2			<b>GRAVEL, with sand (GP)-</b> Dark gray (5Y 4/1), moist, medium dense, contains medium to coarse grained SAND	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet	
SS 2	×		8-10-11	18				<b>SAND (SP)-</b> Red (2.5YR 4/8), reddish yellow (7.5YR 6/8), moist, medium dense, fine grained SAA except red (2.5YR 4/8), contains some CLAY			
SS 3	×	▲	5-7-7	10		214.2	5		<b>*SAND, clayey (SC)-</b> Red (2.5YR 4/8), moist, medium dense, fine grained SAA		
SS 4	×	▲ □	5-6-6	15					SAA		
SS 5	×	▲	4-7-7	12			10		SAA		
SS 6	×	▲	9-9-11	18					SAA		
SS 7	×	▲ □	5-9-5	12		201.6	15				
SS 8	×	▲	5-7-9	11			20		<b>SAND, silty (SM)-</b> Reddish yellow (7.5YR 6/8), moist, medium dense, fine to coarse grained, subhorizontal structure		
SS 9	×	▲	5-9-7	11		191.6	25		SAA except contains zones of poorly graded SAND (SP) and clayey SAND (SC), and a trace of black manganese staining	Water level depth at end of 02/02/07 = Ground surface	
SS 10	×	▲ □	4-8-9	9			30		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), moist, medium dense, medium grained, subhorizontal structure		
SS 11	×	▲ □	3-4-5	18			35		SAA except yellow (2.5Y 7/6), loose, fine grained, contains very thin subhorizontal lenses of yellowish brown (10YR 5/8) SAND	Water level depth at beginning of 02/05/07 = Borehole dry. Borehole caved to a depth of 20.0 feet	
SS 12	×	▲	2-3-4	18			40		SAA except does not contain structural SAND lenses		
SS 13	×	▲	4-7-7	18		171.6	45		SAA except medium grained, contains thin subhorizontal laminations, scattered white shell fragments, and a trace of black manganese staining, and mica, -HCL		
SS	×	▲	3-3-4	18					<b>SAND, silty (SM)-</b> Yellow (2.5Y 7/6), moist, loose, fine grained, -HCL		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3025**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3		HOLE NO. B-3025					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14														
SS 15	⊗	▲					6-10-10	18	166.6		55	<b>SAND, clayey (SC)</b> - Light yellowish brown (2.5Y 6/3), brownish yellow (10YR 6/8), moist, medium dense, medium grained, contains traces of white shell fragments, traces of black manganese staining, thin subhorizontal laminations, -HCL		
SS 16	⊗	▲					10-13-14	15	161.6		60	<b>SAND, silty (SM)</b> - Light brown (7.5YR 6/4), yellow (2.5Y 7/8), moist, medium dense, fine to medium grained, subhorizontal structure, -HCL		
SS 17	⊗	▲					10-15-9	10	156.6		65	<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/4), moist, medium dense, fine to medium grained, -HCL		
SS 18	⊗	▲					2-3-4	18	151.6		70	<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/2), moist, loose, medium to coarse grained, contains shell fragments in a limey mud matrix, -HCL		
SS 19	⊗	▲					7-14-17	14	144.6 143.7		75	SAA except dense <b>SILT, with sand (ML)</b> - Pale yellow (5Y 8/3), moist, hard, low plasticity, very thin subhorizontal laminations, contains fine grained SAND, +HCL		
SS 20	⊗	▲					10-10-18	18			80	<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 7/3), moist to wet, dense, medium to coarse grained, contains shell fragments and 0.5-inch thick silt lens, +HCL SAA except Pale yellow (5Y 8/4), wet, medium dense, fine grained		
SS 21	⊗						▲ 13-50/3"	9	134.7		85	<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/2), wet, very dense, contains cemented shell fragments in a carbonate mud matrix, +HCL	Top of Utley Limestone at a depth of 83.5 feet Water level depth at end of 02/05/07 = 3.0 feet	
SS 22	⊗	▲					10-13-19	18	131.2		90	<b>SILT, with sand (ML)</b> - Pale olive (5Y 6/3), yellowish brown (10YR 5/8), moist, hard, nonplastic to low plasticity, contains fine grained yellowish brown SAND lenses, +HCL	Water level depth at beginning of 02/06/07 = 45.0 feet Borehole caved to a depth of 80.0 feet	
SS 23	⊗	▲					13-17-23	18	126.2		95	<b>SILT (ML)</b> - Dark greenish gray (GLEYS 4/10Y), damp, hard, nonplastic to low plasticity, very thin subhorizontal laminations, contains fine grained SAND and white shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 92.0 feet	
SS 24	⊗	▲					16-16-13	18			100	SAA except very stiff, contains localized partially cemented zones, not evidence of shell fragments		
UD 1	■	○						24			105	SAA except very stiff to hard Pocket Penetrometer: >4.5 TSF	Pitcher	
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3025	



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3025
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25			▲ 50/2"	1.5		110		SAA except hard, contains abundant cementation	
SS 26			▲ 50/5.5"	5		115		SAA except greenish gray (GLEY1 5/10Y), contains scattered white shell fragments	Water level depth at end of 02/06/07 = 7.0 feet
SS 27		▲	41-41-30	18	101.6	120		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 5/10Y), damp to moist, hard nonplastic to low plasticity, contains fine SAND and scattered white shell fragments, few thin zones partially cemented, very thin subhorizontal laminations, +HCL	Water level depth at beginning of 02/07/07 = 46.0 feet
SS 28		▲	34-24-49	18		125		SAA, cemented layers at 123.8 to 123.9 feet, 124.2 to 124.3 feet and 124.7 to 124.8 feet, contains trace shell fragments	
SS 29		▲	25-13-15	18		130		SAA except greenish gray (GLEY1 6/10Y), very stiff, few thin layers with cementation from 128.5 to 129 feet	
UD 2		⊕ — — — ⊕ □		16.5	86.2	135		<b>*CLAY, with sand (CH)</b> - Greenish gray (GLEY1 6/10Y), very stiff, damp to moist, high plasticity, trace shell fragments, +HCL Pocket Penetrometer: >4.5 TSF	Pitcher
SS 30			▲ 50/1"	1		140		SAA	
SS 31		▲	42-22-30	18		145		SAA except no evident structure, cementation or shell fragments	
SS 32		▲	11-14-21	18	68.2	150		SAA	
								Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3025



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 1 OF 3		HOLE NO. B-3026				
LOGGED BY B. Sharp				COORDINATES N 1142290.2 E 621403.7		BEGUN 2/7/2007		COMPLETED 2/13/2007						
DRILLER Oglesby-MACTEC				DRILL MAKE AND MODEL CME-75		HOLE DIAMETER 4 Inches		HAMMER SERIAL NUMBER 219907		TOTAL DEPTH 149.2				
GROUND EL. 215.8				DEPTH/EL. GROUND WATER		SITE: Vogtle Electric Generating Plant - Waynesboro, GA								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)			ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80									
									215.8					
SS 1	X	▲				10-15-11	2		215.3			GRAVEL, with sand (GP)- Gray (10YR 6/1) and dark brown (10YR 3/3), damp, medium dense, fine to medium grained SAND, contains organics  SAND, clayey (SC)- Red (10R 4/8), moist, medium dense, fine grained SAA SAND, with clay (SP-SC)- Red (10R 4/8), moist, medium dense, fine grained SAA SAND (SP)- Red (10R 4/8), moist, medium dense, fine grained SAND, with clay (SP-SC)- Red (10R 4/8), moist, medium dense, fine grained SAA  SAA except fine to medium grained, contains faint subhorizontal structure	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet	
SS 2	X	▲			10-11-13	15		212.5						
SS 3	X	▲			8-11-11	13								
SS 4	X	▲			10-11-9	18		208.6						
SS 5	X	▲			5-8-8	13		207.8						
SS 6	X	▲			6-8-10	13								
SS 7	X	▲			5-6-6	13								
								198.8						
SS 8	X	▲			5-8-6	13		196.6			SAND, clayey (SC)- Red (10R 5/6), moist, medium dense, fine to medium grained, slightly micaceous, contains faint subhorizontal structure  SAND (SP)- Reddish yellow (5YR 6/6) to (7.5YR 6/8), moist, medium dense, fine grained, contains faint subhorizontal structure SAND, clayey (SC)- Brownish yellow (10YR 6/6), moist, medium dense, fine to medium grained, contains faint subhorizontal structure SAND (SP)- Yellow (10YR 7/8), moist, medium dense, medium grained			
SS 9	X	▲			6-10-10	12		193.8						
								191.6						
								188.8						
UD 1	■	○					18					SAND, clayey (SC)- Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained Pocket Penetrometer: 4.5 TSF  SAA except fine grained Pocket Penetrometer: 1.25 TSF	Direct Push  Direct Push	
UD 2	■	○					24							
UD 3	■	○					24							
								176.2				SAA except red (2.5YR 5/6), fine to medium grained Pocket Penetrometer: 2.25 TSF SAND (SP)- Strong brown (7.5YR 5/8), moist, medium dense, fine to medium grained	Direct Push	
SS 10	X	▲			6-5-5	17		173.8						
SS	X	▲			5-5-7	18		168.8				SAND, silty (SM)- Yellow (2.5Y 7/6), moist, loose to medium dense, fine grained  SAND, clayey (SC)- Light yellowish brown (2.5Y 6/4), moist, medium dense, fine grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
Vogtle Units 3 & 4 COL Project  
Final Log

HOLE NO.  
B-3026

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3026
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11						163.8		contains thin CLAY lenses, -HCL	
SS 12	▲		1-2-4	13		55		SAND, silty (SM) - Olive yellow (2.5Y 6/6), moist, loose, medium to coarse grained, -HCL	Loss of circulation at a depth of 52.0 feet
SS 13	▲		10-17-11	14		158.8		SAND, with silt (SP-SM) - Brownish yellow (10YR 6/8) to yellow (10YR 7/6), moist to wet, medium dense, medium to coarse grained, contains trace black manganese staining, -HCL	Regained circulation at a depth of 60.0 feet
SS 14	▲		3-1-2	18		153.8		SAND, silty (SM) - Pale yellow (5Y 8/3), moist to wet, very loose, fine to medium grained, -HCL	
SS 15	▲		15-16-14	18		65		SAA except white (5Y 8/1), wet, medium dense to dense, coarse grained, contains shell fragments and cementation, +HCL	
SS 16	▲		8-11-16	18		70		SAA except pale yellow (5Y 8/2), medium dense	
SS 17	▲		27-34-19	18		75		SAND, silty (SM) - Pale yellow (5Y 8/2), wet, very dense, fine to medium grained, +HCL	Top of Utley Limestone at a depth of 78.5 feet
SS 18			50/1.5"	1		137.3		SAA except coarse to very coarse grained	
SS 19	▲		10-21-33	18		130.3		SILT (ML) - Dark greenish gray (GLEI 4/10Y), damp, hard, nonplastic to low plasticity, contains very fine and coarse grained shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 85.5 feet
SS 20	▲		38-50/4"	10		85		SAA except contains less shell fragments	
SS 21	▲		50/5.5"	5.5		90		SAA except contains more shell fragments and cementation	
SS 22	▲		12-17-20	18		95		SAA except no cementation	Water level depth at end of 2/8/07 = Ground surface
						100			Water level depth at beginning of 2/9/07 = 47.0 feet
						105			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3026

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3026
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 23	×	▲	12-22-32	18		110		SAA except greenish gray (GLEY1 5/10Y)		
SS 24	×	▲	23-20-24	18		115		SAA except contains shell fragments		
SS 25	×	▲	28-41-40	18		120		SAA except contains cementation		
SS 26	×	▲	10-28-50/2"	14		125		SAA except less shell fragments and cementation	Water level depth at end of 2/9/07 = Ground surface	
SS 27	×	▲	9-30-50/3"	15		130		SAA except contains thin cemented zones	Water level depth at beginning of 2/12/07 = 56.0 feet	
SS 28	×	▲	50/5.5"	4		135		SAA except greenish gray (GLEY1 6/10Y), nonplastic, partially cemented	Water level depth at end of 2/12/07 = 3.0 feet	
SS 29	×	▲	4-34-50/1"	13		140		SAA except nonplastic to low plasticity	Water level depth at beginning of 2/13/07 = 57.0 feet	
SS 30	×	▲	18-21-24	18		145		SAA		
SS 31	×	▲	13-50/2"	8	66.6			SAA Boring terminated at 149.17 feet		
					SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3026

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3027</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1142058.7 E 621423.3</b>		BEGUN <b>1/30/2007</b>		COMPLETED <b>2/6/2007</b>			
DRILLER <b>Geisecke-Gregg</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>311025</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>218.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				218.8					
SS 1	▲		7-8-7	9					<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), damp, medium dense, fine to medium grained, non plastic</b>	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		6-5-13	18					SAA except red (2.5YR 5/8)		
SS 3	▲		10-11-13	14		5			SAA except light red (10R 6/8)		
SS 4	▲		4-11-13	11					SAA except red (2.5YR 5/8)		
SS 5	▲		3-4-5	8		10			SAA except red (10R 4/8), wet, loose, medium grained		
SS 6	▲		4-4-5	9		205.8			SAA		
SS 7	▲		4-6-7	0		15			<b>NO RECOVERY</b>		
SS 8	▲		3-5-7	12		201.8			<b>SAND, with silt (SP-SM)- Red (10R 5/8), wet, medium dense, fine to medium grained, non plastic</b>		
SS 9	▲		6-11-14	10		25			SAA except reddish yellow (7.5YR 6/8), fine grained		
SS 10	▲		3-4-8	16		191.8			<b>CLAY, with sand (CH)- Brownish yellow (10YR 6/6), damp, stiff, fine grained SAND, high plasticity, +HCL</b>		
SS 11	▲		2-3-5	18		186.8			<b>CLAY, sandy (CL)- Brownish yellow (10YR 6/8), damp, medium stiff, fine grained, low plasticity, -HCL</b>		
SS 12	▲		2-4-6	18		40			SAA except stiff, fine to medium grained		
SS 13	▲		6-6-8	19		176.8			<b>SAND, with clay (SP-SC)- Yellow (10YR 7/6), damp, medium dense, medium grained, low plasticity, -HCL</b>		
SS	▲		5-6-8	18					SAA except medium to coarse grained	Water level depth at end of 1/30/2007 = Ground surface	
										Water level depth at beginning of 1/31/2007 = 4.25 feet	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3027**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3027
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					166.8					
SS 15	▲		4-7-13	15		55		<b>SAND, with silt (SP-SM)</b> - Very pale brown (10YR 8/2), damp, medium dense, medium to coarse grained, nonplastic, -HCL		
SS 16	▲		3-2-10	17		60		SAA except very pale brown (10YR 8/3), wet, coarse grained		
SS 17	▲		2-11-11	20	156.8	65		<b>SAND, with clay and gravel (SP-SC)</b> - Very pale brown (10YR 8/4), damp, medium dense, medium grained, low plasticity, GRAVEL consists of shell hash, +HCL		
SS 18	▲		10-16-13	18	151.8	70		<b>*CLAY, silty (CL-ML)</b> - Very pale brown (10YR 8/2), damp, very stiff, contains trace fine grained sand and shell hash, low plasticity, +HCL		
SS 19	▲		9-10-11	21	146.8	75		<b>*SAND, clayey (SC)</b> - Very pale brown (10YR 8/2), damp, medium dense, medium to coarse grained, contains shell hash, low plasticity, +HCL		
SS 20	▲		10-26-32	11	141.8	80		<b>SAND, with silt (SP-SM)</b> - Very pale brown (10YR 8/2), wet, very dense, coarse grained, nonplastic, +HCL		
SS 21			50/1"	0	136.8	85		<b>NO RECOVERY</b>		Top of Utley Limestone at a depth of 82.0 feet.
SS 22	▲		6-6-11	22	132.8	90		<b>CLAY, silty (CL-ML)</b> - Light greenish grey (GLE Y1 8/10Y), damp, very stiff, low plasticity, +HCL		Top of Blue Bluff Marl at a depth of 86.0 feet.
SS 23	▲		24-22-31	20	126.8	95		<b>SILT (ML)</b> - Greenish grey (GLE Y1 5/5GY), damp, hard, nonplastic, +HCL		Water level depth at end of 1/31/2007 = 100.0 feet
SS 24	▲		26-24-34	21		100		SAA		Water level depth at beginning of 2/5/2007 = 58.5 feet
SS 25	▲		31-30-33	23		105		SAA except greenish grey (GLE Y1 5/10Y)		
SITE					Vogtle Units 3 & 4 COL Project					HOLE NO.
					Final Log					B-3027

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3027
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×	▲	13-15-19	22			110		SAA	
SS 27	×	▲	11-12-16	23			115		SAA	
SS 28	×		17-32-50/4"	18			120		SAA	
SS 29	×		25-29-49	23			125		<b>CLAY, silty (CL-ML)-</b> Greenish grey (GLE Y1 5/10Y), damp, hard, low plasticity, +HCL	Water level depth at end of 2/5/2007 = Ground Surface
SS 30	×		50/3"	4			130		SAA except light greenish grey (GLE Y1 7/10Y)	Water level depth at beginning of 2/6/2007 = 61.25 feet
SS 31	×		50/2"	0			135		<b>NO RECOVERY</b>	
SS 32	×	▲	17-18-33	20			140		SAA except greenish grey (GLE Y1 5/5GY), damp, hard, low plasticity, +HCL	
SS 33	×	▲	19-19-23	21			145		SAA	
SS 34	×	▲	21-23-21	21			150		SAA	
									Boring terminated at 150 feet	
SITE						Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-3027

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3028</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1141867.3 E 621408.8</b>		BEGUN <b>2/7/2007</b>		COMPLETED <b>2/12/2007</b>			
DRILLER <b>Giesecke-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>311025</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>220.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						220.1					
SS 1	X	▲	1-4-3	12					<b>SAND, with clay (SP-SC)- Red (2.5YR 4/8), damp, loose, fine grained, low plasticity</b>	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	4-5-9	11					SAA except medium dense		
SS 3	X	▲	3-6-7	14		214.6	5		SAA		
SS 4	X	▲	7-10-11	13					<b>CLAY, sandy (CL)- Red (2.5YR 4/6), damp, very stiff, medium plasticity, fine grained</b>		
SS 5	X	▲	6-8-9	15		209.6	10		SAND		
SS 6	X	▲	8-10-12	14		207.1			<b>SAND, with clay (SP-SC)- Red (10R 5/8), damp, medium dense, fine grained, low plasticity</b>		
SS 7	X	▲	5-7-10	15		203.1	15		<b>CLAY, sandy (CL)- Yellowish red (5YR 5/8), damp, very stiff, low plasticity, fine to medium grained</b>		
SS 8	X	▲	6-5-8	13			20		<b>SAND, with silt (SP-SM)- Red (10R 4/8), wet, medium dense, medium grained, nonplastic</b>		
SS 9	X	▲	5-7-9	14			25		SAA except mottled red (10R 4/8) and pink (10R 8/3)		
SS 10	X	▲	6-7-10	15			30		SAA except yellowish red (5YR 5/8)		
SS 11	X	▲	5-10-13	12			35		SAA except reddish yellow (7.5YR 6/8), -HCL		
SS 12	X	▲	7-10-8	10		178.1	40		SAA		
SS 13	X	▲	1-3-6	22		173.1	45		<b>CLAY, sandy (CL)- Brownish yellow (10YR 6/8), damp, stiff, low plasticity, fine grained</b>		
SS	X	▲	3-6-5	15					<b>SAND, with silty clay (SP-SC)- Brownish yellow (10YR 6/8), damp, medium dense, fine</b>		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3028**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3028
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								to medium grained, nonplastic, -HCL	
SS 15	▲		5-6-8	16		55		SAA except medium to coarse grained	
SS 16	▲		6-10-11	15		60		SAA except yellow (10YR 7/6), low plasticity	
SS 17	▲		6-10-17	14	158.1	65		SAND, with silt (SP-SM)- Brownish yellow (10YR 6/8), wet, medium dense, medium to coarse grained, nonplastic, -HCL	
SS 18	▲		7-9-9	18	153.1	70		*SHELL HASH, silty, clayey with sand (GC-GM)- Very pale brown (10YR 8/2), damp, medium dense, fine to medium grained SAND, +HCL	
SS 19	▲		9-13-14	16	143.1	75		SAA	
SS 20	▲		8-11-14	17		80		SAND, with silt (SP-SM)- Pale yellow (5Y 8/2), wet, medium dense, medium to coarse grained, nonplastic, -HCL	Water level depth at end of 2/7/07 = Ground surface
SS 21	▲		5-8-12	15	133.1	85		SAA	Water level depth at beginning of 2/8/07 = 51.33 feet
SS 22	▲		50/1"	0	128.1	90		NO RECOVERY	Top of Utley Limestone at a depth of 87.0 feet
SS 23	▲		3-5-8	20	123.1	95		CLAY, silty (CL-ML)- Very pale brown (10YR 7/4), damp, stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 92.0 feet. Loss of circulation.
SS 24	▲		21-29-41	18		100		SILT (ML)- Greenish gray (GLEY1 5/5GY), damp, hard, nonplastic, +HCL	Installed 4" steel casing to a depth of 100.0 feet
SS 25	▲		8-12-37	23		105		SAA	Water level depth at end of 2/8/07 = Ground surface Water level depth at beginning of 2/9/07 = 52.2 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3028

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-3028		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80								
SS 26	⊗	▲				11-14-17	24			110		SAA except greenish gray (GLE Y1 5/10Y)	Water level depth at end of 2/9/07 = Ground surface  Water level depth at beginning of 2/12/07 = 3 feet
SS 27	⊗	▲				9-12-16	23			115		SAA except very stiff	
SS 28	⊗	▲				9-10-15	24			120		SAA	
SS 29	⊗			▲		19-24-26	23			125		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10Y), damp, hard, low plasticity, +HCL	
SS 30	⊗				▲	19-48-45	24			130		SAA	
SS 31	⊗			▲		12-29-22	24			135		SAA	
SS 32	⊗				▲	26-50/3"	12			140		SAA	
SS 33	⊗				▲	36-37-50/1"	13			145		SAA	
SS 34	⊗	▲				10-11-20	23			150		SILT (ML)- Greenish gray (GLE Y1 5/10Y), damp, hard, nonplastic, +HCL Boring terminated at 150 feet	
									SITE	Vogtle Units 3 & 4 COL Project Final Log			



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-3029</b>	
LOGGED BY <b>L. Davis</b>			COORDINATES <b>N 1141881.5 E 621803.9</b>			BEGUN <b>1/29/2007</b>		COMPLETED <b>1/30/2007</b>	
DRILLER <b>Melvin-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>149.9</b>	
GROUND EL. <b>220.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					220.1				
SS 1	X	▲	13-18-11	12				<b>SAND, silty (SM)-</b> Red (10YR 5/6), damp, medium dense, low plasticity, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲	6-6-14	14	216.9				
SS 3	X	▲	12-15-15	24	215.6	5	<b>CLAY, silty, sandy, with gravel (CL-ML)-</b> Red (10R 5/6), moist, very stiff, low plasticity, -HCL		
SS 4	X	▲	9-13-13	15			<b>SAND, silty (SM)-</b> Dark red (2.5YR 3/2), damp, dense, fine grained, nonplastic, -HCL		
SS 5	X	▲	5-7-8	10		10	SAA except red (10R 4/4)		
SS 6	X	▲	5-8-10	12			SAA except red (10R 5/8), moist		
SS 7	X	▲	6-6-7	14		15	SAA except light red (10YR 6/8)		
SS 8	X	▲	5-6-8	15		20	SAA except light red (2.5YR 7/8), nonplastic to low plasticity		
SS 9	X	▲	5-7-7	14		25	SAA except light red (2.5YR 6/8)		
SS 10	X	▲	8-8-12	9		30	SAA except reddish yellow (7.5YR 6/6), dense		
SS 11	X	▲	15-21-27	11		35	SAA except damp, very dense, medium to coarse grained		
SS 12	X	▲	20-28-32	11		40			
SS 13	X	▲	3-5-5	28	178.1	45	<b>CLAY, silty, sandy (CL-ML)-</b> Reddish yellow (7.5YR 6/6), moist, stiff, low plasticity, fine grained SAND, -HCL		
SS	X	▲	5-8-10	24			SAA except reddish yellow (7.5YR 7/6), very stiff		

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3029
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.1				
SS 15	⊗	▲	16-16-18	15		55		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 7/8), moist, dense, medium grained, nonplastic, -HCL	Water level depth at beginning of 1/30/07 = 27.0 feet
SS 16	⊗	▲	5-9-10	17		60		<b>SAND, silty, clayey (SC-SM)</b> - Reddish yellow (7.5YR 7/8), moist, medium dense, low plasticity, -HCL	
SS 17	⊗	▲	8-7-5	21		65		<b>SAND, silty (SM)</b> - Yellow (10YR 7/8), moist, medium dense, medium grained, nonplastic, -HCL	
SPT 18	⊗	▲	7-8-10			70		<b>CLAY, silty, sandy (CL-ML)</b> - Pale yellow (5Y 7/4), moist, very stiff, low plasticity, -HCL	
SS 19	⊗	▲	6-10-16	18		75		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/3), damp, medium dense, nonplastic, -HCL	
SS 20	⊗	▲	8-8-12	27		80		<b>CLAY, silty, sandy (CL-ML)</b> - Yellow (2.5Y 6/6), moist, very stiff, low plasticity, -HCL	
SS 21	⊗	▲	50/6"	4		85		<b>*SHELL HASH, silty, clayey with sand (GC-GM)</b> - Yellow (10YR 8/6), moist, very dense, nonplastic to low plasticity, +HCL	Top of Utley Limestone at a depth of 83.0 feet
SS 22	⊗	▲	10-12-17	27		90		<b>CLAY, silty, sandy (CL-ML)</b> - Yellow (10YR 7/8), moist, very stiff, medium plasticity, +HCL	
SS 23	⊗	▲	20-23-26	27		95		<b>CLAY (CL)</b> - Greenish gray (GLE Y2 5/10Y), damp, hard, nonplastic to low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 92.0 feet
SS 24	⊗	▲	50/2"	4		100		SAA	
SS 25	⊗	▲	17-23-41	24		105		<b>*CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/10Y), damp, hard, nonplastic, contains shell fragments, +HCL	
					SITE	Vogle Units 3 & 4 COL Project			HOLE NO.
					Final Log			B-3029	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-3029			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26						▲ 50/2"	1.5			110		SAA except greenish gray (GLE Y1 6/5GY)		
SS 27						▲ 23-50/5"	20			115		SAA except greenish gray (GLE Y1 5/10Y)		
SS 28						▲ 49-50/3"	11			120		SAA except low plasticity		
SS 29						▲ 42-50/5"	18			98.1		*CLAY (CL)- Greenish gray (GLE Y1 6/10Y), moist, hard, medium plasticity, +HCL		
SS 30						▲ 50/5"	3			125		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 6/5GY), damp, hard, nonplastic, contains cemented fragments, +HCL		
SS 31						▲ 13-30-50/5"	27			93.1		*CLAY, silty, sandy with cemented fragments (CL-ML) - Greenish gray (GLE Y1 6/10Y), moist, hard, nonplastic to low plasticity, +HCL		
SS 32						▲ 50/5"	4			88.1		CLAY, silty with sand (CL-ML)- Light greenish gray, damp, hard, nonplastic to low plasticity, +HCL		
SS 33				▲		17-25-27	28			140		SAA		
SS 34						▲ 47-35-50/5"	26			145		SAA		
										70.2		Boring terminated at 149.9 feet		
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3029	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3030</b>	
LOGGED BY <b>C. Bruce</b>				COORDINATES <b>N 1141699.9 E 621799.7</b>		BEGUN <b>1/19/2007</b>		COMPLETED <b>1/29/2007</b>			
DRILLER <b>Giesecke-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>311025</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.0</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				222.0					
SS 1	X	▲	7-8-8	8		220.5			<b>SAND, silty (SM)-</b> Red (2.5YR 5/8), dry, medium dense, fine grained	Top of Fill at a depth of 0.0 feet	
SS 2	X	▲	5-6-6	15		218.7			<b>GRAVEL, with sand (GP)-</b> Red (2.5YR 5/8) to strong brown (7.5YR 5/8), wet, medium dense		
SS 3	X	▲	3-3-2	7		216.5			<b>SAND, clayey (SC)-</b> Red (2.5YR 5/8), moist, loose		
SS 4	X	▲	12-10-10	13			5		<b>*SAND, with silt (SP-SM)-</b> Red (2.5YR 5/8), dry, medium dense, fine grained	Top of Barnwell Group at a depth of 5.5 feet	
SS 5	X	▲	10-9-8	16			10		SAA except moist		
SS 6	X	▲	3-5-7	8			15		SAA except fine to medium grained		
SS 7	X	▲	4-6-7	9			20		SAA except red (2.5YR 5/8) to strong brown (5YR 5/8), wet		
SS 8	X	▲	4-6-10	9			25		SAA except red (10YR 4/8) to pinkish gray (7.5YR 7/2), fine to coarse grained		
SS 9	X	▲	6-7-8	12			30		SAA except strong brown (7.5YR 5/8), fine to medium grained		
SS 10	X	▲	7-9-13	9			35		SAA except brownish yellow (10YR 6/8), moist, fine to coarse grained		
UD 1	■	□		13.5			40		SAA Pocket Penetrometer: 0.5 TSF, 0.75 TSF, 1.0 TSF	Direct Push	
SS 11	X	▲	18-19-21	8			45		SAA except dense, fine to medium grained		
UD 2	■	○		12			182.0		SAA Pocket Penetrometer: 0.75 TSF, 0.75 TSF, 0.5 TSF	Direct Push	
SS 12	X	▲	7-14-21	10			40		SAA except wet		
UD 3	■	○		13			45		<b>SAND, clayey (SC)-</b> Yellowish brown (10YR 7/8), wet, fine to medium grained Pocket Penetrometer: 0.5 TSF, 0.5 TSF, 0.5 TSF	Direct Push	
SS 13	X	▲	3-3-6	24			45		SAA except loose, fine grained, contains 1 to 2" CLAY seams		
SS	X	▲	7-11-8	20					SAA except yellowish brown (10YR 5/6), medium dense, fine to coarse grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3030**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3030
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						170.0			
SS 15	⊗	▲	10-12-17	11		55		SAND (SP) - Yellowish brown (10YR 5/6), wet, medium dense, fine to coarse grained	
SS 16	⊗	▲	4-4-7	22		60		SAND, clayey (SC) - Yellowish brown (10YR 5/6), moist, medium dense, fine to medium grained	
SS 17	⊗	▲	7-8-13	15		65		SAND, with silt (SP-SM) - Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained	
SS 18	⊗	▲	4-4-12	24		70		SAND, silty, clayey (SC-SM) - Light gray (10YR 7/2), moist, medium dense, fine grained, -HCL	
SS 19	⊗	▲	10-12-14	19		75		SAND, silty (SM) - Light greenish gray (GLEI 1 7/10Y), wet, medium dense, fine to medium grained, contains CLAY lenses, -HCL	Water level depth at end of 1/23/07 = 3.0 feet
SS 20	⊗	▲	50/3"	5		80		SAND, with clay and gravel (SP-SC) - Light greenish gray (GLEI 1 8/5GY), wet, very dense, contains shell hash, +HCL	Water level depth at beginning of 1/24/07 = 35.0 feet
SS 21	⊗	▲	9-11-16	24		85		SAND, clayey (SC) - Light greenish grey (GLEI 1 8/5GY), moist, medium dense, contains several 1 to 2" CLAY seams	
SS 22	⊗	▲	50/5"	4		90		*SHELL HASH, with clay and sand (GP-GC) - White (GLEI 1 8/N), wet, very dense, +HCL	Top of Utley Limestone at a depth of 87.0 feet
SS 23	⊗	▲	4-9-16	13		95		SILT (ML) - Pale olive (5Y 6/4), moist, very stiff, low plasticity, +HCL	Loss of circulation at a depth of 91.0 feet
SS 24	⊗	▲	19-19-19	26		100		SAA except hard SILT (ML) - Dark greenish gray (GLEI 1 4/10GY), moist, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 99.0 feet Water level depth at end of 1/24/07 = 92.0 feet
SS 25	⊗	▲	50/5"	7		105		SAA except damp	Water level depth at end of 1/25/07 = 15.0 feet
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-3030

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3030
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	13-18-19	22		110		SAA except contains trace shell fragments	feet Water level depth at beginning of 1/26/07 = 92.0 feet	
SS 27	⊗	▲	13-18-24	24		115		SAA		
SS 28	⊗	▲	11-16-45	24		120		SAA		
SS 29	⊗	▲	11-56-35	24		125		SAA except greenish gray (GLEY1 5/10GY), moist		
SS 30	⊗	▲	50-50/6"-50/3"	23		130		SAA		
SS 31	⊗	▲	12-50/3"	8		135		SAA except wet		
SS 32	⊗	▲	50/2"	3		140		SAA		
SS 33	⊗	▲	50/3"	2.5		145		SAA		
SS 34	⊗	▲	14-16-24	24	72.0	150		SAA except moist, contains trace shell fragments Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3030





<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-3031</b>	
LOGGED BY <b>L. Davis</b>			COORDINATES <b>N 1141398.7 E 622042.0</b>			BEGUN <b>1/23/2007</b>		COMPLETED <b>1/26/2007</b>	
DRILLER <b>Melvin-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>	HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
AU 1					222.7			<b>SAND, with silt (SP-SM)-</b> Weak red (10R 4/3), damp, nonplastic	Top of Barnwell Group at a depth of 0.0 feet
SS 2		▲	4-7-6	13		5		*SAA except weak red (10R 5/3), medium dense, contains trace GRAVEL (possible fill)	
SS 3		▲	4-5-6	11		10		SAA except weak red (10R 5/4)	
SS 4		▲	4-6-6	12				SAA except weak red (10R 4/3)	
SS 5		▲	7-8-8	13		15		SAA except red (10R 5/6)	
SS 6		▲	7-6-5	10		20		SAA except weak red (10R 5/4)	
SS 7		▲	4-6-9	11		25		*SAA except weak red (10R 4/4)	
SS 8		▲	7-9-9	13		30		SAA except light red (10R 6/8)	
UD 1		○		24	192.7			* <b>SAND (SP)-</b> Light red (10R 7/8) to yellow (10YR 7/6), damp, medium dense Pocket Penetrometer: 1.2 TSF	Direct Push
UD 2		○		11.5	189.2			* <b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/6), damp, medium dense Pocket Penetrometer: 1.75 TSF	Direct Push
UD 3		○		11.5		40		SAA Pocket Penetrometer: 1.2 TSF	Direct Push
SS 10		▲	8-12-14	10		45		SAA except brownish yellow (10R 6/8), -HCL	
SS		▲	10-9-10	11				SAA except damp to moist	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3031**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3031
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11					170.7				
SS 12	⊗	▲	7-8-9	14		55		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/8), moist, medium dense, nonplastic to low plasticity, -HCL	
SS 13	⊗	▲	8-8-14	12		60		SAA except brownish yellow (10YR 6/6), low plasticity	
SS 14	⊗	▲	5-6-4	21		65		SAA except yellowish brown (10YR 5/6), nonplastic to low plasticity	
SS 15	⊗	▲	6-6-8	19		70		<b>SAND, silty (SM)-</b> Yellow (10YR 7/8), moist, medium dense, nonplastic, -HCL	
SS 16	⊗	▲	12-11-15	15		75		SAA except yellow (10YR 7/6)	
SS 17	⊗	▲	5-5-7	28		80		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/6), moist, medium dense, low plasticity, -HCL	Water level depth at end of 1/24/07 = Ground surface
SS 18	⊗	▲	4-8-12	24		85		<b>SAND, with silt (SP-SM)-</b> Very pale brown (10YR 8/3), moist, medium dense, nonplastic, -HCL	Water level depth at beginning of 1/25/07 = 34.0 feet
SS 19	⊗	▲	4-5-8	21		90		<b>SAND, silty (SM)-</b> Very pale brown (10YR 8/3), moist, medium dense, nonplastic, -HCL	
SS 20	⊗	▲	8-22-18	15		95		SAA except very pale brown (10YR 8/2)	
SS 21	⊗	▲	7-9-12	28		100		<b>*SHELL HASH, silty with sand (GM)-</b> Yellow (10YR 8/6), moist, medium dense to dense, nonplastic, +HCL	Top of Utley Limestone at a depth of 95.0 feet
SS 22	⊗	▲	28-31-36	18		105		<b>SILT (ML)-</b> Pale yellow (10YR 8/3), damp, very stiff, nonplastic, +HCL	
								SAA except pale yellow (2.5YR 7/4) to greenish gray (5/5GY), moist *SAA except greenish gray (5/5GY), damp, hard	Top of Blue Bluff Marl at a depth of 104.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3031

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3031
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 23	⊗		▲ 22-50/3"	13		110		SAA except greenish gray (GLEY2 6/5GY)	
SS 24	—		▲ 50/1"	2		115		SAA except greenish gray (GLEY1 5/5GY)	
SS 25	—		▲ 50/1"	1.5	105.7	120		*CLAY (CL)- Greenish gray (GLEY1 7/5GY), moist, hard, low plasticity, +HCL	
SS 26	⊗	▲	14-17-50	24	100.7	125		SILT, with sand (ML)- Greenish gray (GLEY1 6/10Y), damp, hard, nonplastic, fine grained SAND, +HCL	
SS 27	⊗		▲ 50/5"	5		130		SAA except contains compacted SILT	
SS 28	⊗		▲ 50/6"	10	90.7	135		CLAY, silty with sand (CL-ML)- Greenish gray (GLEY1 6/10Y), moist, hard, nonplastic, +HCL	
SS 29	⊗	▲	18-22-28	28	80.7	140		SAA except low to medium plasticity	
SS 30	—		▲ 50/1"	1.5	75.7	145		*CLAY, silty, sandy (CL-ML)- Greenish gray (GLEY1 7/10Y), moist, hard, low plasticity, contains cemented fragments, +HCL	
SS 31	⊗	▲	20-33-50	25	72.7	150		SILT, sandy (ML)- Greenish gray (GLEY1 6/10Y), moist, hard, low plasticity, +HCL Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3031



<b>GEOTECHNICAL LOG</b>			PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3032</b>	
LOGGED BY <b>C. Gandy</b>			COORDINATES <b>N 1141158.2 E 621709.5</b>			BEGUN <b>1/11/2007</b>		COMPLETED <b>1/17/2007</b>			
DRILLER <b>Melvin-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>149.5</b>		
GROUND EL. <b>220.1</b>			DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80	1st 6"	2nd 6"	3rd 6"						
										220.1				
SS 1	X	▲				4-4-6		21					<b>SAND, with silt (SP-SM)- Red (10R 4/6), damp, loose, fine to medium grained, nonplastic</b>	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲				7-7-8		16					<b>SAA except red (10R 5/6), medium dense</b>	
SS 3	X	▲				5-7-8		10			5		<b>SAA except red (10R 5/8), moist</b>	
SS 4	X	▲				5-6-9		9.5					<b>SAA except damp</b>	
SS 5	X	▲				5-7-7		11		212.1			<b>SAND, silty (SM)- Red (10R 5/6), damp, medium dense, fine to medium grained, nonplastic</b>	
SS 6	X	▲				5-6-8		11		208.3			<b>SAA</b>	
SS 7	X	▲				5-8-9		9.5		207.1			<b>SAND, with silt (SP-SM)- Yellow (10YR 7/6), damp, medium dense, fine grained, nonplastic</b>	
											15		<b>SAND, silty (SM)- Brownish yellow (10YR 6/6), damp, medium dense, fine grained, nonplastic</b>	
SS 8	X	▲				5-5-7		15			20		<b>SAA except yellow (10YR 7/6), moist</b>	
SS 9	X	▲				5-7-7		10.5			25		<b>SAA except brownish yellow (10YR 6/6), fine to medium grained</b>	
										193.1				
SS 10	X	▲				7-8-9		16			30		<b>SAND, clayey (SC)- Yellow (10YR 7/6), damp, medium dense, fine grained, low plasticity</b>	Water level depth at end of 1/11/07 = Top of casing
										188.1				
SS 11	X	▲				5-7-10		10			35		<b>SAND, silty (SM)- Yellow (10YR 7/6), moist, medium dense, fine grained, nonplastic to low plasticity</b>	Water level depth at beginning of 1/12/07 = 15.7 feet
											40		<b>SAA except moist to wet, fine to medium grained, nonplastic, contains minor lignite</b>	
SS 12	X	▲				7-10-14		14			45		<b>SAA except no lignite</b>	
SS 13	X	▲				6-9-9		14					<b>SAA except moist, fine grained</b>	
SS	X	▲				5-9-7		15.5						

PREPARED BY: A. TAYLOR			SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>			HOLE NO. <b>B-3032</b>		
REVIEWED BY: P. DEPREE			<b>Final Log</b>					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3032
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.1				
SS 15	▲		3-4-9	24	166.1	55		CLAY (CH) - Yellow (10YR 7/6), damp, stiff, high plasticity	
SS 16	▲		4-7-9	14	163.1	60		SAND, clayey (SC) - Brownish yellow (10YR 6/6), moist to wet, medium dense, fine grained, contains shell hash and lignite, -HCL	
SS 17	▲		4-6-6	18.5	158.1	65		SAND, silty (SM) - Yellow (10YR 7/6), moist, medium dense, fine grained, nonplastic, -HCL	
SS 18	▲		4-6-11	16	153.1	70		SAND, with clay (SP-SC) - Yellow (10YR 7/8), moist, medium dense, medium grained, nonplastic to low plasticity, lignitic, -HCL	
SS 19	▲		4-8-11	17.5	143.1	75		SAND, silty (SM) - Yellow (10YR 7/8), wet, medium dense, fine to medium grained, nonplastic, -HCL	
SS 20	▲		6-10-14	22		80		SAA except fine grained, contains minor lignite	Water level depth at end of 1/12/07 = Top of casing
SS 21	▲		4-5-8	23	133.1	85		SAND, clayey (SC) - Light gray (10YR 7/2), moist, dense, fine grained, low plasticity, -HCL	
SS 22	▲		12-15-17	10.5		90		SAA except very pale brown (10YR 8/2), medium dense	
SS 23	▲		6-6-7	13	123.1	95		SAND, silty (SM) - Very pale brown (10YR 8/3), wet, dense, fine to medium grained, nonplastic, -HCL	
SS 24	▲		5-8-11	24		100		SAA except medium dense, coarse grained	End logging by C. Gandy.
SS 25	▲		11-29-27	26	115.1	105		SILT, sandy (ML) - Very pale brown (10YR 8/3), moist, very stiff, low plasticity, fine grained SAND, +HCL	Begin logging by L. Davis.
								SAA except very pale brown (10YR 8/4), hard	Top of Blue Bluff Marl at a depth of
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3032

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3032
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	×		▲ 16-50/5"	16		110		<b>SILT, with sand (ML)-</b> Greenish gray (GLE Y1 5/1), damp, hard, nonplastic, fine grained SAND, +HCL	105.0 feet
SS 27	×	▲	19-22-47	26		115		SAA except contains minor shell hash and lignite	
SS 28	×	▲	13-29-34	24		120		SAA except greenish gray (GLE Y1 6/1), low plasticity	
SS 29	×	▲	16-16-19	25		125		SAA except greenish gray (GLE Y1 5/1)	
SS 30	—		▲ 50/1"	15		93.1 91.1 130		<b>SAND, with silt (SP-SM)-</b> Greenish gray (GLE Y1 6/1), wet, hard, medium grained, nonplastic, +HCL	Water level depth at end of 1/16/07 = Ground surface
SS 31	×		▲ 16-35-50/4"	26		88.1		<b>CLAY, silty with sand (CL-ML)-</b> Greenish gray (GLE Y1 5/1), wet, hard, medium plasticity, fine grained SAND, +HCL	
SS 32	×		▲ 8-28-50/2"	23		135		<b>SILT, with sand (ML)-</b> Greenish gray (GLE Y1 6/1), moist, hard, medium plasticity, fine to medium grained SAND, +HCL	
SS 33	×	▲	9-10-20	26		140		SAA except fine grained SAND	
SS 34	×		▲ 48-50/6"	16		145		SAA except greenish gray (GLE Y1 6/5GY), very stiff, low plasticity	Water level depth at end of 1/17/07 = Ground surface
					70.6			SAA except light greenish gray (GLE Y1 7/10Y), medium plasticity Boring terminated at 149.5 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3032

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3033</b>	
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1141405.3 E 621715.2</b>		BEGUN <b>1/17/2007</b>		COMPLETED <b>1/23/2007</b>			
DRILLER <b>Melvin-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>149.3</b>	
GROUND EL. <b>222.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				222.3					
SS 1	X	▲		2-3-5	15				<b>SAND, with silt (SP-SM)</b> - Reddish gray (10R 5/1), damp, loose, nonplastic, fine to medium grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲		5-7-7	17				SAA except weak red (10R 4/3), medium dense		
SS 3	X	▲		5-4-5	11		5		SAA except weak red (10R 4/2), loose		
SS 4	X	▲		4-5-5	13				SAA except weak red (10R 4/3), medium dense		
SS 5	X	▲		2-3-3	12		10		SAA except loose		
SS 6	X	▲		4-5-5	11				SAA		
UD 1	■	□			14		15		SAA except red (10R 4/6) Pocket Penetrometer: 0.5 TSF	Direct Push	
SS 7	X	▲		5-5-7	10		20		SAA except weak red (10R 4/3), damp to moist, medium dense		
SS 8	X	▲		5-8-6	11		25		SAA except weak red (10R 4/3) and reddish yellow (5YR 6/6)		
UD 2	■	□ ○			26.5	195.3	30		<b>*SAND, silty (SM)</b> - Reddish yellow (5YR 7/8), moist, medium dense, low plasticity Pocket Penetrometer: 1.1 TSF	Direct Push	
UD 3	■	□ ○			15	190.3	35		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (5YR 7/6), moist, medium dense Pocket Penetrometer: 0.75 TSF	Direct Push	
UD 4	■	○			13		40		SAA except reddish yellow (5YR 7/7), nonplastic to low plasticity Pocket Penetrometer: 0.3 TSF	Direct Push	
SS 9	X	▲		9-12-15	11		45		SAA except brownish yellow (5YR 6/8), nonplastic		
SS	X	▲		5-6-6	14	175.3			<b>SAND, silty (SM)</b> - Greenish yellow (10YR 6/8), moist, medium dense, nonplastic		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3033**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3033
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
10									
SS 11	▲		8-6-12	16		55		SAA except brownish yellow (10YR 6/8), nonplastic to low plasticity	
SS 12	▲		11-14-15	8.5	165.3	60		SAND, with silt (SP-SM)- Reddish yellow (7.5YR 6/6), moist, medium dense, -HCL	
SS 13	▲		5-6-7	19	160.3	65		SAND, clayey (SC)- Yellow (10YR 7/6), moist, medium dense, fine to medium grained, low plasticity, -HCL	
SS 14	▲		11-16-19	13	155.3	70		SAND, with silt (SP-SM)- Yellow (10YR 7/6), moist, medium grained, dense, nonplastic, -HCL	
SS 15	▲		6-7-10	14	145.3	75		SAA except very pale brown (10YR 8/4), medium dense	
SS 16	▲		9-9-13	13		80		SAND, silty (SM)- Very pale brown (10YR 8/3), moist, medium dense, medium grained, low plasticity, -HCL	
SS 17	▲		9-9-11	18	135.3	85		SAA except nonplastic to low plasticity	
SS 18	▲		19-21-15	24	130.3	90		SILT, with sand (ML)- Greenish gray (GLE2 8/5GY), moist, medium plasticity, fine grained SAND, +HCL	
SS 19	▲		39-50/2"	8	125.3	95		SAND, silty, clayey with gravel (SC-SM)- Light greenish gray (GLE2 8/10Y), moist, very dense, medium plasticity, +HCL	
SS 20	▲		7-8-11	27		100		SILT, sandy (ML)- Yellow (10YR 8/6), moist, very stiff, medium plasticity, +HCL	
SS 21	▲		55-50/3"	15	119.3	105		SILT, with sand (ML)- Greenish gray (GLE1 5/10Y), damp, hard, nonplastic, +HCL	Water level depth at end of 1/18/07 = Ground surface Water level depth at beginning of 1/22/07 = 46.0 feet Top of Blue Bluff Marl at a depth of 103.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3033



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3033
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 22	⊗		▲ 16-50/2"	13		110		SAA except low plasticity	Water level depth at beginning of 1/19/07 = 44.5 feet
SS 23	⊗		▲ 50/1"	1.5		115		SAA except nonplastic, contains cemented layers	
SS 24	⊗		▲ 50/2"			120		SAA	
SS 25	⊗	▲	17-22-27	27		125		SAA except greenish gray (GLEY1 6/10Y)	
SS 26	⊗		▲ 23-50/5"	17		130		SAA except low plasticity	
SS 27	⊗		▲ 40-43-50/3"	20		135		SAA except nonplastic	Water level depth at end of 1/22/07 = Ground surface
SS 28	⊗		▲ 0-26-50/3"	28		140		*CLAY, silty (CL-ML)- Greenish gray (GLEY1 6/10Y), moist, hard, high plasticity, contains cemented layers, +HCL	
SS 29	⊗		▲ 20-50/3"	15		145		SILT (ML) - Greenish gray (GLEY1 6/10Y), damp, hard, low plasticity, +HCL	
SS 30	⊗		▲ 49-50/3"	18		149.3		SAA except moist Boring terminated at 149.3 feet	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-3033

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3034</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1141399.8 E 621914.7</b>		BEGUN <b>12/18/2006</b>		COMPLETED <b>12/21/2006</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>149.2</b>	
GROUND EL. <b>224.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					224.7				
SS 1	X	▲		5-6-9	2		223.2			<b>SAND, silty with gravel (SM)-</b> Weak red (10R 4/4) and red (10R 4/6), moist, medium dense, fine to coarse grained, -HCL	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	X	▲		6-7-6	16		222.2			<b>SAND (SP)-</b> Dark red (10R 3/6), moist, medium dense, fine grained	
SS 3	X	▲		6-10-10	12.5		221.4			<b>SAND, with silt (SP-SM)-</b> Dark red (10R 3/6), moist, medium dense, fine grained	
SS 4	X	▲		5-8-10	11			5		<b>SAND (SP)-</b> Light red (10R 6/6) and dark red (10R 3/6), moist, medium dense, very fine to fine grained	Water level depth at end of 12/18/06 = Borehole dry
SS 5	X	▲		5-7-9	9					SAA except light red (10R 6/6) to pale red (10R 6/4)	
SS 6	X	▲		3-5-6	9		214.2	10		<b>SAND, with silt (SP-SM)-</b> Dark red (10R 3/6), moist, medium dense, very fine to fine grained, -HCL	
SS 7	X	▲		3-5-5	11		211.7			<b>SAND, silty (SM)-</b> Dark red (10R 3/6), moist, loose to medium dense, very fine to fine grained, -HCL	
							207.7	15			
SS 8	X	▲		3-5-7	12			20		<b>SAND, with silt (SP-SM)-</b> Red (10R 5/8), moist, medium dense, very fine to fine grained, -HCL	
SS 9	X	▲		5-9-8	6			25		SAA	
UD 1	■	□ ○			14			30		SAA except fine to medium grained Pocket Penetrometer: 2.25 TSF	Direct Push
							192.7				
UD 2	■	□			15			35		<b>SAND, silty (SM)-</b> Red (10R 5/8) to yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained Pocket Penetrometer: 1.0 TSF	Direct Push
UD 3	■				16.5			40		SAA except yellowish brown (10YR 5/8) Pocket Penetrometer: 0.25 TSF	Direct Push
							182.7				
SS 10	X	▲		9-11-11	12.5			45		<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine to medium grained, contains black manganese staining, -HCL	
							177.7				
SS	X	▲		7-12-10	8.5					<b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine to medium	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-3034</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3034
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
11					172.7			grained, contains CLAY lenses and black manganese staining, -HCL		
SS 12	▲		3-4-5	18		55		CLAY, sandy (CL) - Yellowish brown (10YR 5/8), moist, stiff, fine grained SAND, low plasticity, contains trace black manganese staining, -HCL		
SS 13	▲		5-8-7	13	167.7			SAND, silty (SM) - Reddish yellow (7.5YR 6/6), moist, medium dense, fine to medium grained, -HCL		
SS 14	▲		4-3-5	18	165.2	60		SAND, clayey (SC) - Reddish yellow (7.5YR 6/6), moist, medium dense, fine to medium grained, nonplastic, -HCL		
SS 15	▲		4-9-11	18	162.7			CLAY, sandy (CL) - Yellowish brown (10YR 5/8), moist, medium stiff to stiff, low plasticity, fine to medium grained SAND, -HCL		
SS 16	▲		8-12-13	18	157.7	65		SAND, clayey (SC) - Brownish yellow (10YR 6/8), moist, medium dense, fine to medium grained, -HCL		
SS 17	▲		WOH/12"-5	18	152.7	70		SAND, silty (SM) - Yellow (10YR 7/6), moist, medium dense, fine to medium grained, -HCL		
SS 18	▲		10-18-17	18	147.7	75		SILT, sandy (ML) - Pale yellow (2.5Y 8/4), moist, medium stiff, fine to medium grained, -HCL		
SS 19	▲		8-10-12	16	142.7	80		SAND, silty (SM) - Pale yellow (2.5Y 8/3), moist, dense, fine to medium grained, contains trace shell fragments, -HCL		
SS 20	▲		WOR/30"	18	137.7	85		SAND (SP) - Pale yellow (2.5Y 8/3), moist, medium dense, fine to medium grained, contains trace shell fragments, -HCL		
SS 21	▲		5-9-10	18	132.7	90		SILT, sandy (ML) - Pinkish gray (7.5YR 7/2), wet, very soft, nonplastic, fine to medium grained SAND, contains trace shell fragments, -HCL		
SS 22	▲		7-10-19	18	127.7	95		SILT, with sand (ML) - Pale olive (5Y 6/3), moist, very stiff, very fine grained SAND, nonplastic, +HCL		
					122.7	100		SILT (ML) - Pale olive (5Y 6/3), moist, very stiff, nonplastic to low plasticity, contains SAND lenses, +HCL		
					118.7	105				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-3034	

Top of Utley Limestone at a depth of 72.0 feet

Loss of 90 gallons of drilling fluid from depths of 93.5 to 97.0 feet

Loss of 100 gallons of drilling fluid from depths of 98.5 to 103.5 feet  
Water level depth at end of 12/19/06 = Ground surface  
Water level depth at beginning of 12/20/06 = 27.0 feet  
Boring collapsed to 73.0 feet

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3034
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 23	⊗	▲	10-15-26	18		110		*SILT, sandy (MH)- Dark greenish gray (SGY 4/1), moist, hard, very fine to fine grained SAND, contains cemented shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 106.0 feet
SS 24	⊗	▲	17-27-29	18		115		SAA except contains abundant shell fragments	
UD 4	■	○ + — — □		24		120		SAA Pocket Penetrometer: >4.75 TSF	Pitcher
SS 25	⊗	▲	15-19-22	18		125		SAA	
SS 26	⊗	▲	15-22-39			130		SAA	
SS 27	⊗	▲	19-19-33	18		135		SAA	
UD 5	■	□ — —		13		87.7			Water level depth at end of 12/20/06 = Ground surface
SS 28	⊗	▲	45-50/2"	7		140		*CLAY, with cemented fragments (CL)- Dark greenish gray (SGY 4/1), moist, hard, +HCL Pocket Penetrometer: >4.75 TSF	Water level depth at beginning of 12/21/06 = 47.0 feet Boring collapsed to 105.0 feet Pitcher Changed to a 2 7/8" drill bit
SS 29	⊗	▲	18-50/2"	1	75.5	145		SAA except greenish gray (SGY 5/1), contains cemented fragments	
								SAA Boring terminated at 149.2 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3034

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3035</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1142729.2 E 621675.4</b>		BEGUN <b>2/9/2007</b>		COMPLETED <b>3/14/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.5</b>	
GROUND EL. <b>219.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %  20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						219.3					
SS 1	X	▲	2-3-9	12		217.8			<b>SAND, clayey (SC)</b> - Red (2.5YR 5/8), damp, medium dense, fine to medium grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	5-7-12	12		216.1		<b>CLAY, with sand (CL)</b> - Red (2.5YR 5/8) and white (2.5YR 8/1), damp, very stiff			
SS 3	X	▲	9-12-16	18			5	<b>SAND, silty (SM)</b> - Light red (2.5YR 7/8), moist, medium dense, fine to medium grained, subrounded			
SS 4	X	▲	14-16-20	18				SAA except dense			
SS 5	X	▲	12-16-16	18			10	SAA except brownish yellow (10YR 6/8), dry			
SS 6	X	▲	12-14-16	15				SAA except red (2.5YR 5/8), medium dense to dense			
SS 7	X	▲	12-12-15	18			15	SAA			
						202.3					
SS 8	X	▲	8-8-9	12			20	<b>SAND, with silt (SP-SM)</b> - Brownish yellow (2.5YR 6/8), dry, medium dense, fine to medium grained, subrounded to subangular			
SS 9	X	▲	5-6-8	15			25	SAA			
SS 10	X	▲	3-5-6	12			30	SAA			
						187.3					
SS 11	X	▲	3-4-6	18			35	<b>SILT, with sand (ML)</b> - Yellow (10YR 7/6), moist, stiff, low plasticity, fine grained SAND			
						182.3					
SS 12	X	▲	4-6-8	18			40	<b>SAND, silty (SM)</b> - Brownish yellow (2.5YR 6/6), moist, medium dense, fine to medium grained, contains trace shell hash and manganese staining			
						177.3					
SS 13	X	▲	2-2-3	18			45	<b>SAND, clayey (SC)</b> - Yellow (2.5YR 8/8), moist, medium stiff, contains 4" CLAY seam			
SS	X	▲	3-2-4	18				SAA except contains some manganese staining			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3035**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3035
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					167.3				
SS 15	▲		8-8-7	18	55		<b>SAND, silty (SM)</b> - Brownish yellow (2.5YR 6/6), moist, medium dense, medium to coarse grained, subrounded to subangular, contains trace manganese staining		
SS 16	▲		10-15-7	12	60		SAA		
SS 17	▲		7-11-14	6	157.3		<b>SAND (SP)</b> - Yellow (10YR 8/6), wet, medium dense, medium to coarse grained, subrounded to subangular		
SS 18	▲		6-9-12	7	70		SAA		
SS 19	▲		5-6-7	12	147.3		<b>SAND, with silt (SP-SM)</b> - Light greenish gray (GLE Y2 8/10Y), wet, medium dense, medium to coarse grained		
SS 20	▲		45-50/3"	6	141.3		<b>*SAND, clayey (SC)</b> - White (GLE Y1 8/N), moist, very dense, contains cemented shell fragments, +HCL	Top of Utley Limestone at a depth of 78.0 feet	Loss of circulation
SS 21			50/3"	0	137.3		<b>NO RECOVERY</b>		
UD 1		○		12	129.3		<b>*SILT(MH)</b> - Greenish gray (GLE Y1 5/10Y), damp, high plasticity, +HCL Pocket Penetrometer: >4.5 TSF	Top of Blue Bluff Marl at a depth of 90.0 feet End logging by M. Cooke. Begin logging by L. Davis. Installed 6" steel casing to a depth of 95.0 feet	Pitcher
SS 22			14-50/5"	18	121.3		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/5GY), damp, hard, low plasticity, contains trace shell hash and organics, +HCL		
UD 2		○		22	105		SAA except greenish gray (GLE Y1 6/10Y), no shells or organics Pocket Penetrometer: >4.5 TSF		
					112.3				
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3035

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-3035		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 23						▲ 50/5"	6	107.3	110		<b>CLAY (CL)</b> - Greenish gray (GLE Y1 6/10Y), moist, hard, nonplastic to medium plasticity, contains some organics and compacted zones, +HCL	Water level depth at end of 3/13/07 = Top of casing	
SS 24				▲		21-22-35	23	102.3	115		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, contains shell hash, +HCL		
SS 25						▲ 50/5"	7	97.3	120		<b>CLAY (CL)</b> - Light greenish gray (GLE Y1 7/10Y), moist, hard, nonplastic to medium plasticity, contains some compacted zones, +HCL		
SS 26						▲	12-41-35	26	125		<b>CLAY, silty (CL-ML)</b> - Light greenish gray (GLE Y1 7/5GY), damp, hard, low plasticity, contains some compacted zones, +HCL	Water level depth at beginning of 3/14/07 = 42.0 feet	
SS 27						▲ 50/1"	2		130		SAA except light greenish gray (GLE Y1 8/10Y), damp to moist, nonplastic to low plasticity	Pitcher	
UD 3		○					29	82.3	135		SAA except light greenish gray (GLE Y1 7/10Y), damp, low plasticity, contains organics Pocket Penetrometer: 4.0 TSF		
SS 28				▲		21-22-22	26	77.3	140		<b>CLAY (CL)</b> - Light greenish gray (GLE Y1 7/10Y), damp, hard, low plasticity, +HCL		
SS 29						▲	22-36-30	26	145		<b>CLAY, silty (CL-ML)</b> - Light greenish gray (GLE Y1 7/10Y), damp, hard, low plasticity, +HCL	Pitcher	
UD 4							25	69.3 68.8	150		SAA Pocket Penetrometer: 3.0 TSF		
											<b>SAND, silty, clayey (SC-SM)</b> - Reddish brown (2.5YR 4/4), moist, low plasticity, -HCL Boring terminated at 150.5 feet		Top of Still Branch Formation at a depth of 150.0 feet Water level depth at end of 3/14/07 = Top of casing
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3035	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3036</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1142441.6 E 621676.0</b>		BEGUN <b>11/8/2006</b>		COMPLETED <b>11/14/2006</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>217.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						217.9					
SS 1	X	▲	14-16-16	16		217.5			<b>GRAVEL (GP)</b> - Parking lot	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.4 feet	
SS 2	X		17-22-24					<b>*SAND, silty (SM)</b> - Red (2.5YR 4/6), dry, dense			
SS 3	X	○	7-10-15	11				SAA except yellowish red (5YR 5/8), fine grained			
SS 4	X	▲	7-12-14	8				SAA except medium dense, fine to medium grained			
SS 5	X	▲	7-10-13	12				SAA except yellowish red (5YR 5/8) and red (2.5YR 4/6), fine grained			
SS 6	X	○	11-13-16	5				SAA except red (10R 4/6)			
SS 7	X	▲	9-11-11	11				SAA except red (2.5YR 4/8), fine to medium grained			
SS 8	X	▲	11-13-16	5				SAA			
SS 9	X	▲	11-11-17	9				SAA except reddish yellow (7.5YR 7/8) and yellowish red (5YR 5/8)			
SS 10	X	▲	11-12-9	9				SAA except reddish yellow (7.5YR 7/8)			
SS 11	X	▲	8-6-10	10				SAA			
SS 12	X	▲	22-14-14	18		185.9		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), medium dense			
SS 13	X	○				183.6		<b>SAND (SP)</b> - Very pale brown (10YR 7/4), medium dense			
SS 14	X	▲	7-8-7	18		180.9		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), damp, medium dense			
SS 15	X	○	3-4-6	18		175.9		<b>*SAND, silty (SM)</b> - Yellow (2.5Y 7/6), damp, medium dense, fine grained			
SS 16	X	▲	7-12-14	7				SAA except yellow (10YR 8/8), fine to medium grained			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3036**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3036					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14													
SS 15		▲				9-11-13	8		55		SAA except yellow (10YR 7/6)		
SS 16		▲				7-8-5	8		60		SAA except pale yellowish brown (10YR 7/4), moist		
SS 17		▲				5-7-8	10		155.9			Water level depth at end of 11/8/07 = Ground surface	
SS 18		▲ □				4-3-4	14		65		SAND, clayey (SC)- Light greenish gray (GEY1 8/1/10Y), damp, medium dense, fine grained	Loss of circulation at a depth of 62.5 feet	
SS 19		▲				7-22-50/2"	10		70		SAA except light greenish gray (GEY1 8/1), loose		
SS 20		▲				50/1"	1		144.4		CLAY, with sand (CL)- Light greenish gray (GEY1 8/1), moist, very dense, fine grained SAND, contains shell fragments	Top of Utley Limestone at a depth of 73.5 feet	
SS 21		▲		○		5-7-9	18		140.9		*SHELL HASH, clayey (GC)- Pale yellow (2.5Y 8/2), moist, very dense	Installed casing to a depth of 77.0 feet	
SS 22		▲		○		50/4"	4		135.9		*SILT, sandy (ML)- Light yellowish brown (2.5Y 6/3), dry to damp, very stiff, low plasticity		
SS 23		▲				50/1"	1		85		*SILT, with cemented fragments (ML)- Greenish gray (GEY1 5/1/5GY), damp, very dense	Top of Blue Bluff Marl at a depth of 88.0 feet	
SS 24		▲				15-19-25	18		129.9		SAA except wet, contains shell fragments		
SS 25		▲				50/1"	0		120.9		*SILT (MH)- Greenish gray (GEY1 5/1/10Y), damp, hard		
									100		NO RECOVERY		
									115.9				
									105				
SITE									Vogtle Units 3 & 4 COL Project			HOLE NO.	
									Final Log			B-3036	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3036
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26			▲ 50/1"	0		110		NO RECOVERY	
SS 27		+ - - +	▲ 50/2"	14	105.9	115		*CLAY (CH)- Gray (GLEY1 5/1/10Y), damp, hard, contains shell hash	
SS 28			▲ 50/2"	4		120		SAA	
SS 29	⊗		▲ 42-33-50/2"	12		125		SAA	
SS 30	⊗		▲ 27-50/4"	12		130		SAA	
SS 31	⊗	▲	13-14-32	12		135		SAA	
SS 32	⊗	▲	15-14-30	12		140		SAA	
SS 33	⊗	▲	12-15-24	12		145		SAA	
SS 34	⊗	▲	18-17-31	12		150		SAA	
SS 35	□ ○	▲	10-15-25	12	64.4 62.9	155		*SAND, with clay (SP-SC)- Dark gray (GLEY1 4/N), wet, dense Boring terminated at 155 feet	Water level depth at beginning of 11/14/07 = 62.33 feet  Top of Still Branch Formation at a depth of 153.5 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3036

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3037</b>	
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1143057.4 E 621768.9</b>		BEGUN <b>2/14/2007</b>		COMPLETED <b>2/16/2007</b>			
DRILLER <b>Bilbrey-Miller Drilling</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.9				
SS 1	X	▲		2-7-11	12		221.4			SAND (SP)- Red (2.5YR 5/8), damp, medium dense, fine grained, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		8-10-13	14		219.7			SAND, with silt (SP-SM)- Red (2.5YR 5/6), damp, medium dense, fine grained, nonplastic, -HCL	
SS 3	X	▲		7-12-15	15		217.4	5		SAND, with silty clay (SP-SC)- Yellowish red (10YR 5/6), damp, medium dense, fine grained, low plasticity, -HCL	
SS 4	X	▲		10-24-24	15		214.9			SAND, with silt (SP-SM)- Light red (2.5YR 6/8), damp, dense, fine grained, nonplastic, -HCL	
SS 5	X	▲		3-6-5	14		214.9			SAND, silty, clayey (SC-SM)- Red (2.5YR 5/8), damp, medium dense, fine grained, low plasticity, -HCL	
SS 6	X	▲		8-11-13	14		209.9	10		SAA except yellowish red (5YR 5/6)	
SS 7	X	▲		11-10-12	14		206.2	15		SAND, with silty clay (SP-SC)- Red (2.5YR 6/8), damp, medium dense, fine grained, nonplastic to low plasticity, -HCL	
SS 8	X	▲		8-15-15	12		201.2	20		SAND, silty, clayey (SC-SM)- Yellowish red (5YR 5/6), moist, medium dense to dense, fine grained, with clayey silt, low plasticity, -HCL	
SS 9	X	▲		10-9-16	13		196.2	25		SAND, silty (SM)- Reddish yellow (7.5YR 7/8), moist, medium dense, fine grained, nonplastic, -HCL	
SS 10	X	▲		11-15-12	14			30		SAND, silty, clayey (SC-SM)- Red (2.5YR 4/8), moist, medium dense, fine grained, low plasticity, -HCL	
SS 11	X	▲		8-8-8	17		186.2	35		SAA except light red (2.5YR 6/8)	
SS 12	X	▲		3-6-7	22		181.2	40		CLAY, silty, sandy (CL-ML)- Brownish yellow (10YR 6/6), moist, stiff, medium plasticity, -HCL	Water level depth at end of 2/14/2007 = Ground surface
SS 13	X	▲		3-8-10	18			45		SAND, silty, clayey (SC-SM)- Reddish yellow (7.5YR 6/8), moist, medium dense, fine grained, with silty clay matrix, low plasticity, -HCL	Water level depth at beginning of 2/15/2007 = 39.0 feet
SS	X	▲		3-5-6	18					SAA	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3037**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3037
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					171.2				
SS 15	▲		6-5-5	14		55		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 7/8), moist, loose to medium dense, fine grained, nonplastic, -HCL	
SS 16	▲		8-13-13	12		60		<b>SAND, with silt (SP-SM)</b> - Yellow (10YR 7/8), moist, medium dense, fine to medium grained, nonplastic, -HCL	
SS 17	▲		8-11-11	12		65		SAA	
SS 18	▲		1-2-4	20		70		<b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 8/6), moist, loose, fine grained with clayey matrix, low to medium plasticity, -HCL	
SS 19	▲		7-13-11	13		75		<b>SAND, silty, clayey (SC-SM)</b> - Yellow (2.5Y 8/6), moist, medium dense, fine to medium grained, low plasticity, -HCL	
SS 20	▲		2-2-2	11		80		<b>SAND, with silty clay (SP-SC)</b> - Yellow (10YR 8/6), moist, very loose to loose, fine to medium grained, nonplastic, -HCL	Loss of circulation at a depth of 79.0 feet
SS 21			50/1"	3		85		<b>*CLAY, silty, with sand (CL-ML)</b> - Pale yellow (2.5Y 8/4), moist, hard, mostly clay with "lithified" clay material, nonplastic to low plasticity, +HCL	Top of Utley Limestone at a depth of 83.0 feet
SS 22	▲		11-13-21	26		90		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/10Y), damp, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
SS 23	▲		12-13-18	28		95		SAA except greenish gray (GLE Y1 5/GY)	Regained circulation at a depth of 90.0 feet
SS 24			50/5"	24		100		SAA except greenish gray (GLE Y1 6/10Y)	
SS 25	▲		10-12-21	23		105		SAA except greenish gray (GLE Y1 5/10Y)	
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-3037

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3037
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	11-14-31	28	111.2	110		*SAA except greenish gray (GLE Y1 6/10Y)	
SS 27	⊗	▲	15-17-23	28	106.2	115		*CLAY (CL)- Greenish gray (GLE Y1 6/10Y), damp to moist, hard, low plasticity, contains shell hash, +HCL	
SS 28	⊗	▲	6-12-26	29		120		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, +HCL	
SS 29	⊗		50/1"	10		125		SAA except, moist, low to medium plasticity, -HCL	
SS 30	⊗		50/3"	4		130		SAA except greenish gray (GLE Y1 7/10Y)	
SS 31	⊗	▲	17-20-24	29		135		SAA except greenish gray (GLE Y1 6/10Y), damp, low plasticity, +HCL	
SS 32	⊗	▲	17-26-24	29		140		SAA except greenish gray (GLE Y1 7/5GY), nonplastic	
SS 33	⊗	▲	18-33-37	20	81.2	145		CLAY (CL)- Greenish gray (GLE Y1 7/10Y), moist, hard, medium plasticity, +HCL	Water level depth at beginning of 2/16/2007 = 38.0 feet
SS 34	⊗	▲	14-15-21	24	73.9 72.9	150		SAA except low plasticity SAND, silty, clayey with gravel (SC-SM)- Very dark greenish gray (GLE Y1 3/5GY), moist, dense, low plasticity, -HCL Boring terminated at 150 feet	Top of Still Branch Formation at a depth of 149.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3037



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-3038</b>
LOGGED BY <b>M. Harvey</b>			COORDINATES <b>N 1141883.0 E 621543.2</b>			BEGUN <b>12/14/2006</b>		COMPLETED <b>12/15/2006</b>
DRILLER <b>Warren-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>98.9</b>
GROUND EL. <b>220.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						220.8				
SS 1	X	▲	17-15-8	10		219.3		●	<b>GRAVEL (GP)</b> - Dark grey (GLE Y 1 4/N), dry, medium dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	X	▲	7-5-6	12				●	<b>SAND (SP)</b> - Red (2.5YR 4/6), dry, medium dense	
SS 3	X	▲	3-5-12	12					SAA except red (10R 4/8)	
SS 4	X	▲	6-10-12	8			5		SAA	
SS 5	X	▲	6-10-10	12			10		SAA	
SS 6	X	▲	8-7-12	12					SAA except red (10R 4/6 and 10R 5/6)	
SS 7	X	▲	13-14-16	12			15		SAA except red (10R 5/3 and 10R 4/8)	
SS 8	X	▲	5-8-6	9			20		SAA except red (10R 4/6)	
SS 9	X	▲	8-8-10	7			25		SAA	
SS 10	X	▲	9-7-9	11			30		SAA except reddish yellow (7.5YR 6/8)	
SS 11	X	▲	18-19-10	9			35		SAA except yellow (10YR 6.5/8), damp to moist	
SS 12	X	▲	2-3-5	16		178.8	40		SAA except yellow (10YR 6.5/8), moist, loose, contains traces of CLAY	
SS 13	X	▲	6-5-10	18		173.8	45		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, medium dense	
SS	X	▲	12-12-12	16					<b>SAND (SP)</b> - Brownish yellow (10YR 6/8), dry, medium dense	

PREPARED BY: A. TAYLOR		SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>		HOLE NO. <b>B-3038</b>	
REVIEWED BY: P. DEPREE		<b>Final Log</b>			

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-3038
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.8				
SS 15	▲		6-5-5	18		55		<b>SAND, clayey (SC)</b> - Very pale brown (10YR 8/2) to brownish yellow (10YR 6/8), damp, medium dense	
SS 16	▲		8-10-12	8		60		<b>SAND (SP)</b> - Yellow (10YR 7/8), damp, medium dense	
SS 17	▲		5-8-7	18		65		<b>CLAY, sandy (SC)</b> - Pale brown (10YR 8/3), moist, very stiff, -HCL	
SS 18	▲		7-13-10	18		70		<b>*CLAY (CL)</b> - Light greenish grey, moist, very stiff, contains shell hash, +HCL	
SS 19	▲		15-15-10	18		75		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/2), moist, medium dense, contains shell hash, +HCL	
SS 20	▲		12-10-12	15		80		<b>SAND (SP)</b> - Light grey (10YR 7/2) moist, medium dense, contains shell hash, +HCL	
SS 21			50/1"	1		85		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 8/3), moist, very dense	
SS 22			50/2"	2		90		<b>*SHELL HASH, clayey with sand (GC)</b> - Pale yellow (5Y 8/2), moist, very dense	Top of Uttley at a depth of 87.0 feet
SS 23	▲		5-6-8	18		95		<b>CLAY (CL)</b> - Pale yellow (5Y 7/3), damp, stiff, +HCL	Loss of circulation at a depth of 92.0 feet
SS 24			50/5"	18	122.3 121.8			<b>CLAY (CL)</b> - Dark greenish grey (GLEYS 4/5GY), hard, +HCL Boring terminated at 98.92 feet	Top of Blue Bluff Marl at a depth of 98.5 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3038

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-3039</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1142917.7 E 621753.5</b>		BEGUN <b>3/8/2007</b>		COMPLETED <b>3/12/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>219.2</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							219.2				
SS 1	X	▲		2-4-9	13		215.9			<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 4/8), damp, medium dense, fine grained SAA except yellowish red (5YR 5/6)	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		8-11-13	12						
SS 3	X	▲		9-4-10	13			5		<b>SAND, clayey (SC)-</b> Red (10R 4/8), moist, medium dense, fine grained, medium plasticity	Water level depth at end of 3/8/07 = Top of casing
SS 4	X	▲		4-10-12	12					SAA	
SS 5	X	▲		5-10-10	14		208.7	10		SAA except light red (10R 6/8)	Water level depth at beginning of 3/9/07 = Top of casing
SS 6	X	▲		6-10-11	13		206.2			<b>SAND, with clay (SP-SC)-</b> Red (10R 5/8), moist, medium dense, fine to medium grained, <u>nonplastic to low plasticity</u>	
SS 7	X	▲		6-9-8	14		202.2	15		<b>SAND, with silt (SP-SM)-</b> Red (10R 4/8), moist, medium dense, fine to medium grained, nonplastic	
SS 8	X	▲		6-7-9	14		197.2	20		<b>CLAY (CL)-</b> Pink (5YR 7/4), moist, very stiff, high plasticity	
SS 9	X	▲		3-3-6	12		192.2	25		<b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/6), wet, loose, fine grained	
SS 10	X	▲		2-2-5	13		187.2	30		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), wet, loose, fine grained, medium to high plasticity	
SS 11	X	▲		2-2-3	15		182.2	35		<b>CLAY, sandy (CL)-</b> Yellow (10YR 7/6), wet, medium stiff, high plasticity	
SS 12	X	▲		2-3-4	9		177.2	40		<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), wet, loose, fine grained, -HCL	
SS 13	X	▲		1-2-3	16		172.2	45		<b>CLAY (CH)-</b> Yellow (10YR 8/6), wet, medium stiff, high plasticity, -HCL	
SS	X	▲		1-1-2	13					<b>SAND, with clay (SP-SC)-</b> Reddish yellow (7.5YR 6/8), wet, very loose, fine grained,	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-3039**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-3039
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					167.2			nonplastic, +HCL	
SS 15	▲		1-2-2	8		55		SAND (SP) - Very pale brown (10YR 7/4), wet, very loose, fine grained, -HCL	
SS 16	▲		1-1-WOH/6"	10		60		SAND, with clay (SP-SC)- Yellow (10YR 7/8), wet, very loose, fine grained, -HCL	
SS 17	▲		1-1-3	18		65		CLAY, silty (CL-ML)- Yellow (5Y 8/6), wet, soft, medium plasticity, +HCL	
SS 18	▲		3-4-6	8		70		SAND (SP) - Yellow (2.5Y 8/6), wet, loose, fine grained, -HCL	
SS 19	▲		2-2-2	10		75		SAA except pale yellow (2.5Y 8/4), very loose	
SS 20	▲		WOH/6"-1-	7		80		SILT, with sand (ML)- Olive brown (2.5Y 4/4), wet, very soft, fine grained SAND, +HCL	
SS 21	▲		19-20-21	18		85		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10GY), wet, hard, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 81.5 feet
SS 22	▲		8-18-22	22		90		SAA except greenish gray (GLE Y1 10/10Y), damp, low plasticity, contains shell fragments	Water level depth at end of 3/9/07 = Top of casing End logging by D. Atkinson. Begin logging by S. Woodham.
SS 23	▲		50/4"	3		95		CLAY (CL)- Greenish gray (GLE Y1 5/5GY), damp, hard, low plasticity, contains shell fragments, +HCL	Installed 3" steel casing to a depth of 93.5 feet
SS 24	▲		50/3"	3		100		SAA	
SS 25	▲		8-17-50/5"	16		105		SAA	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3039

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-3039					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗				▲	11-26-26	20		110		SAA except greenish gray (GLE Y1 6/10Y)		
SS 27	⊗				▲	8-50/5"	10		115		SAA		
SS 28	⊗				▲	10-18-22	22		120		SAA		
SS 29	⊗				▲	17-50/5"	10		125		SAA except light greenish gray (GLE Y1 7/10Y), no shell fragments		
SS 30	⊗				▲	14-15-22	20		130		SAA		
SS 31	⊗				▲	4-10-31	18		135		*CLAY, silty, sandy, with cemented fragments (CL-ML)- Greenish grey, damp, hard, nonplastic to low plasticity, +HCL		
SS 32	⊗				▲	10-10-50/5"	20		140		SAA except low to medium plasticity, contains cemented layer at bottom		
SS 33	⊗				▲	8-13-25	22		145		SAA except contains shell fragments		
SS 34	⊗				▲	12-38-50/5"	15		150		SAND, with silt (SP-SM)- Very dark grayish green (GLE Y1 3/5G), moist, hard, fine grained Boring terminated at 149.92 feet	Top of Still Branch Formation at a depth of 147.0 feet	
								SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-3039

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 8</b>		HOLE NO. <b>B-4001(DH)</b>		
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142599.5 E 621000.2</b>		BEGUN <b>11/29/2006</b>		COMPLETED <b>1/8/2007</b>				
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>10 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>399.9</b>		
GROUND EL. <b>218.9</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
						218.9						
SS 1	X	▲	12-16-17	16		218.3			GRAVEL, with sand (GP)- Brown (10YR 4/3), dry to damp, dense, fine to medium grained SAND	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.6 feet Begin drilling with a 3 7/8" drill bit.		
SS 2	X	▲	18-18-14	16		215.6		*SAND, silty (SM)- Reddish yellow (5YR 5/6), moist, dense, fine grained SAA				
SS 3	X	▲	5-5-5	15		213.4	5	SAND, with silt (SP-SM)- Yellowish red (5YR 5/6), moist, loose, very fine to fine grained				
SS 4	X	▲	6-8-7	8				SAND, clayey (SC)- Yellowish red (5YR 5/6), moist, medium dense, fine to medium grained SAA				
SS 5	X	▲ □ +	5-8-8	12		208.4	10					
SS 6	X	▲	8-9-10	12		205.9		SAND, silty (SM)- Yellowish red (5YR 5/6), moist, medium dense				
SS 7	X	▲ □	7-9-10	11.5		201.9	15	SAND, with silt (SP-SM)- Brown (7.5YR 5/6) and brownish yellow (10YR 6/6), moist, medium dense				
SS 8	X	▲	6-8-11	15.5		196.9	20	SAND, clayey (SC)- Brownish yellow (10YR 6/6), moist, medium dense, fine to medium grained				
SS 9	X	▲ □ +	3-4-6	18		191.9	25	*SILT, with sand (MH)- Yellow (2.5Y 7/6) and brownish yellow (10YR 6/8), moist, stiff, fine grained, low plasticity				
SS 10	X	▲	3-4-5	18		186.9	30	CLAY, sandy (CL)- Yellow (2.5Y 7/6), moist, medium stiff, very fine to fine grained, low plasticity				
SS 11	X	▲ □	4-5-3	10			35	SAND, clayey (SC)- Yellow (2.5Y 7/6) and light yellowish brown (2.5Y 6/4), moist, loose, fine to coarse grained, contains shell fragments				
SS 12	X	▲	3-3-4	18		176.9	40	SAA except pale yellow (5Y 7/4), very fine to fine grained, no shells				
SS 13	X	▲ □ +	6-9-11	18			45	*SAND, silty (SM)- Pale yellow (5Y 7/4), moist, medium dense, very fine to fine grained				
SS	X	▲	9-12-6	18				SAA except pale yellow (5Y 8/3), fine to very coarse grained, contains cemented shell				

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4001(DH)**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 8	HOLE NO. B-4001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14								fragments, +HCL		
SS 15	⊗	▲	10-13-16	17.5		55		SAA except fine to medium grained, no cementation		
SS 16	⊗	▲	15-16-22	18		60		SAA except pale yellow (5Y 8/2), dense, fine to very coarse grained		
SS 17	⊗	▲	8-9-34	18	156.9	65		<b>SILT, sandy (ML)</b> - Pale yellow (2.5Y 8/3 and 8/2), moist, hard, fine to very coarse grained, contains cemented shell fragments, +HCL		
SS 18	⊗	▲	19-16-15	16	151.9	70		<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/4), moist, dense, fine to medium grained, contains shell fragments and cementation, +HCL		
SS 19	⊗	▲	42-26-35	18	141.9	75		SAA except very dense, less shell fragments		
SS 20	⊗	▲	27-32-39	17	136.9	80		<b>SAND (SP)</b> - Pale yellow (5Y 8/2), moist, very dense, medium grained, contains trace shell fragments, +HCL	Water level depth at end of 11/29/06 = Ground surface Changed to a 9 7/8" drill bit Water level depth at beginning of 11/30/06 = 39.0 feet Water level depth at end of 11/30/06 = Ground surface Water level depth at beginning of 12/1/06 = 27.0 feet Top of Blue Bluff Marl at a depth of 89.7 feet Water level depth at end of 12/1/06 = Ground surface Water level depth at beginning of 12/4/06 = 63.0 feet Reamed hole with 9 7/8" cone roller bit Installed 6" steel casing to a depth of 97.5 feet End logging by B. Sharp. Begin logging by A. Taylor. End drilling by Oglesby-MACTEC. Begin drilling by	
SS 21	⊗	▲	39-13-18	17	131.9	85		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 7/4), moist, dense, medium to coarse grained, contains shell fragments and cementation, +HCL		
SS 22	⊗	▲	7-10-15	18	129.2	90		<b>SILT, sandy (ML)</b> - Light yellowish brown (2.5Y 6/3) and brownish yellow (10YR 5/8), moist, very stiff, low plasticity, very fine to fine grained SAND * <b>SILT, with sand (MH)</b> - Dark greenish gray (10Y 4/1), moist, very stiff, low plasticity, +HCL SAA except hard, contains cemented zones		
SS 23	⊗	○ + — ▲ □ 101	17-26-47	18	121.9	95				
UD 1	■			21		100		* <b>SILT, sandy (MH)</b> - Dark greenish gray (GLE Y2 4/10G), damp, +HCL Pocket Penetrometer: >4.5 TSF		
SS 24	⊗	▲	50/1"	1		105		SAA except hard		
SITE					Vogle Units 3 & 4 COL Project Final Log					HOLE NO. B-4001(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 8	HOLE NO. B-4001(DH)		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25	⊗	⊕ - - + □	▲	14-50/5.5"	18	110		SAA	Melvin-MACTEC with a CME-55, hammer serial #219505. Water level depth at beginning of 12/11/06 = 20.2 feet Installed 6" casing to a depth of 97.5 feet Pitcher Pitcher	
UD 2	■				0	106.9		NO RECOVERY		
UD 3	■	○ □ + - - - +			7.5	115				
UD 4	■	□			18.5	101.9				
SS 26	⊗		▲	13-20-50/4"	18	96.9		*SAND, silty (SM)- Dark greenish gray (GLEY2 4/10G), damp, +HCL Pocket Penetrometer: >4.5 TSF SAA Pocket Penetrometer: >4.5 TSF	Pitcher Water level depth at end of 12/11/06 = 12.75 feet Pitcher	
SS 27	⊗	+ - - - + □	▲	20-50/5"	18	125		*CLAY (CH)- Dark greenish gray (GLEY2 4/10G), dry, +HCL	Water level depth at beginning of 12/12/06 = 9.33 feet	
UD 5	■	○ + - - +			15	86.9		*SAA except contains cemented fragments		
SS 28	⊗	⊕ + □	▲	50/3"	5	135		*CLAY (CL)- Dark greenish gray (GLEY2 4/10G), damp, +HCL Pocket Penetrometer: >4.5 TSF	Pitcher	
SS 29	⊗	⊕ -▲ - + □		15-20-22	22	81.9				
SS 30	⊗		▲	21-31-32	24	76.9		*SILT, with sand (ML)- Greenish gray (GLEY1 6/10Y), damp, hard, +HCL		
SS 31	⊗	+ ⊕ -▲ + □		15-19-21	24	145		*CLAY, with sand (CH)- Greenish gray (GLEY1 6/10Y), damp, hard, +HCL		
UD 6	■	○			14	140				
SS	⊗		▲	50/2"		66.9		*CLAY, with sand (CL)- Greenish gray (GLEY2 4/10G), damp, hard, +HCL	Water level depth at end of 12/12/06 = 11.4 feet	
						155		SAA Pocket Penetrometer: >4.5 TSF	Water level depth at beginning of 12/13/06 = 31.33 feet	
						160		SAA	Pitcher	
								SAA		
					SITE		Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-4001(DH)

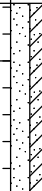
GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 8	HOLE NO. B-4001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
32						165			
SS 33	⊗	▲	8-14-25	24	52.3	170		*SAND, silty (SM)- Very dark greenish gray (GLE Y1 3/10Y), damp, dense, fine to medium grained, -HCL	Top of Still Branch Formation at a depth of 166.6 feet
UD 7	■	□ ○		12		175		SAA Pocket Penetrometer: 0.5 TSF	Pitcher
SS 34	⊗	□ ▲	18-21-37	13		185		SAA except very dense	
UD 8	■	□		7		190		SAA Pocket Penetrometer: 1.75 TSF	Pitcher
SS 35	⊗	▲	18-17-20	24	9.9	205		SAA	
						210		SILT (ML)- Very dark greenish gray (GLE Y1 3/5G), damp, hard, -HCL	Water level depth at end of 12/13/06 = 25.8 feet
						215			Water level depth at beginning of 12/14/06 = 77.0 feet
SS 36	⊗		▲ 32-50/3"	11	-0.1	220		SAND (SP)- Dark greenish gray (GLE Y2 4/5BG), very dense, medium to coarse grained,	Top of Congaree Formation at a depth of 219.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4001(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 5 OF 8	HOLE NO. B-4001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 37	×	▲	8-11-19	24	-6.1	225		subangular, -HCL	
UD 9	■	○ + + + □		10	-10.6	230		<b>SILT, with sand (ML)</b> - Dark greenish gray (GLE Y1 4/5G), damp, very stiff, -HCL <b>SILT (ML)</b> - White (2.5Y 8/1), damp, very stiff, -HCL	
UD 10	■	○		6	-16.1	235			
UD 11	■			0	-26.1	245		<b>SILT, sandy (ML)</b> - Light greenish gray (GLE Y2 7/10BG), damp, -HCL Pocket Penetrometer: 1.75 TSF	Pitcher
SS 38	×			0	-36.1	255		<b>SAND (SP)</b> - Light gray (2.5Y 7/1), damp, +HCL Pocket Penetrometer: 1.5 TSF	Pitcher
SS 39	×			0	-43.1	260		<b>NO RECOVERY</b>	Pitcher
SS 40	×			8		265		<b>SAND, with silty clay (SP-SC)</b> - White (2.5Y 8/1), damp, very dense, medium to coarse grained, -HCL	Water level depth at beginning of 12/15/06 = 78.0 feet
						270		SAA	Water level depth at beginning of 12/18/06 = 78.5 feet
						275			
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4001(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 6 OF 8	HOLE NO. B-4001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 41	×		50/5.25"	2		280		SAA	Water level depth at end of 12/18/06 = 44.0 feet End logging by A. Taylor. Begin logging by M. Harvey. Water level depth at beginning of 12/19/06 = 84.0 feet
SS 42	×		50/5"	9		285			
					-66.1	285			
						290		SAND, silty (SM) - Dark gray (GLE Y1 4/N), wet, very dense, fine grained, +HCL	
						295			
UD 12	■	○		8.5		300		SAA except gray (2.5Y 6/1), wet, medium grained	Pitcher
					-84.1	305			
UD 13	■	○ + - + □		12		310		CLAY (CL) - Light greenish gray (GLE Y1 7/1/10Y), moist, -HCL Pocket Penetrometer: >4.5 TSF	Pitcher
					-96.1	315			Water level depth at end of 12/19/06 = Ground surface
						320		CLAY (CH) - Light yellowish olive brown (2.5Y 5.5/4) and light bluish gray (GLE Y2 8/1/5PB), moist, hard, high plasticity	Water level depth at beginning of 12/20/06 = 79.5 feet
SS 43	×	▲	37-42-47	18		325			Water level depth at end of 12/20/06 = Ground surface End logging by M. Harvey. Begin logging by A. Taylor. Water level depth at beginning of 1/2/07 = 78.0 feet
					-106.1	325			
						330		SAND, clayey (SC) - White (2.5Y 8/1), moist, very dense, coarse grained, -HCL CLAY (CH) - Olive (5Y 4/3), moist, very dense, -HCL	
SS 44	×	▲	17-20-31	28		335			
					-110.6	330			
					-116.1	335			
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4001(DH)



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 7 OF 8	HOLE NO. B-4001(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 45	⊗	▲	17-28-42 22		340		CLAY, silty (CL-ML)- Mottled reddish brown (2.5YR 4/4), yellowish brown (10YR 5/6), and white (2.5Y 8/1), damp, hard, -HCL	Top of Snapp Formation at a depth of 335.0 feet	
UD 14	■	○		12	-126.1 345		CLAY, sandy (CH)- Light gray (7.5YR 7/1), damp, -HCL Pocket Penetrometer: >4.5 TSF	Water level depth at end of 1/2/07 = 42.0 feet Water level depth at beginning of 1/3/07 = 58.0 feet	Pitcher
SS 46	⊗	▲	50/5"	22	-136.1 355		SAND, with clay (SP-SC)- White (2.5Y 8/1), moist, very dense, medium to very coarse grained, subangular, -HCL		
SS 47	⊗	▲	22-50/5"	11	-146.1 365		CLAY (CH)- Light bluish gray (GLEY2 7/10B), weak red (10R 4/2), and yellowish brown (10YR 5/8), damp, hard, -HCL	Water level depth at beginning of 1/4/07 = 62.5 feet	
SS 48	⊗	▲	19-50/5.5"	10	-156.1 375		SAND, with clay (SP-SC)- White (7.5YR 8/1), damp, very dense, medium grained, -HCL		
SS 49	⊗	▲	50/5.25"		380 385 390		SAA except medium to coarse grained	Water level depth at beginning of 1/5/07 = 71.0 feet Water level depth at end of 1/5/07 = 47.5 feet	
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO. B-4001(DH)	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>8 OF 8</b>		HOLE NO. <b>B-4001(DH)</b>	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
SS 50	X		▲	9-31-50/5"	16	-181.0	395		SAA  Boring terminated at 399.92 feet	feet Water level depth at beginning of 1/8/07 = 71.0 feet		

	SITE <b>Vogle Units 3 &amp; 4 COL Project</b> <b>Final Log</b>	HOLE NO. <b>B-4001(DH)</b>
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 5</b>		HOLE NO. <b>B-4002(DH)</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142600.2 E 621072.2</b>		BEGUN <b>1/2/2007</b>		COMPLETED <b>1/24/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>250.0</b>	
GROUND EL. <b>219.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						219.1					
SS 1	X	▲	11-16-16	13		218.3		X	<b>SAND, with gravel (SP)-</b> Brown (10YR 4/3), damp, dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.8 feet	
SS 2	X	▲	16-20-17	15				X	<b>*SAND, with silt (SP-SM)-</b> Yellowish red (5YR 4/6) and red (10R 4/6), damp, dense, fine grained		
SS 3	X	▲	10-7-8	13					SAA except yellowish red (5YR 5/6)		
SS 4	X	▲	3-3-4	11.5			5		SAA except medium dense, very fine to fine grained		
SS 5	X	▲	3-3-5	10.5					SAA except strong brown (7.5YR 5/8), damp to moist, loose		
SS 6	X	▲	5-6-10	13		207.1	10		SAA		
SS 7	X	▲ □	8-11-15	16			15		SAA except medium dense		
SS 8	X	▲	8-10-23	15.5			20		<b>SAND, clayey (SC)-</b> Mottled red (2.5YR 4/8), yellow (2.5Y 5/8), and strong brown (7.5YR 5/8), moist, medium dense, fine grained SAA		
SS 9	X	▲ □	10-12-13	13		197.1	25		SAA except dense		
SS 10	X	▲	6-11-15	18			30		<b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine to medium grained, contains CLAY lenses and trace black manganese staining		
SS 11	X	▲ □	5-7-9	16.5			35		SAA except contains pale yellow (2.5Y 8/4) CLAY lenses 2" thick		
SS 12	X	▲	3-4-4	18		187.1	40		<b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine to coarse grained, contains CLAY lenses and black manganese staining		
SS 13	X	▲	3-5-6	18			45		<b>SILT, sandy (ML)-</b> Yellow (2.5Y 7/6), moist, medium stiff to stiff, very fine to fine grained SAND, contains trace black manganese staining		
SS	X	▲	3-5-6	18		182.1			SAA except pale yellow (2.5Y 7/4) to light yellowish brown (2.5Y 6/4), stiff, fine to medium grained, contains shell fragments, -HCL		
									SAA except pale yellow (2.5Y 7/4) and pink (7.5 YR 7/4), fine grained SAND		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE



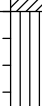

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4002(DH)**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 5	HOLE NO. B-4002(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					167.1				Water level depth at end of 1/2/07 = 6.0 feet
SS 15	▲		5-5-7	18		55		*SAND, with silt (SP-SM)- Pale yellow (2.5Y 7/4), moist, medium dense, fine grained, contains trace shell fragments and manganese staining, -HCL	Water level depth at beginning of 1/3/07 = 25.0 feet
SS 16	▲		6-6-7	14.5		60		SAA except fine to medium grained, no shells or staining	
SS 17	▲		8-12-13	14		65		SAA	
SS 18	▲		WOH/6"-4-5	18	152.1	70		SILT, sandy (ML)- Pale yellow (5Y 7/4) to light olive gray (5Y 6/2), moist, stiff, low plasticity, fine to medium grained SAND, contains trace black manganese staining, -HCL	
SS 19	▲		6-9-15	14.5	147.1	75		SAND, with silt (SP-SM)- Pale yellow (2.5Y 7/3), wet, medium dense, fine to medium grained, -HCL	
SS 20	▲		7-12-12	10.5	142.1	80		SAND (SP) - Pale yellow (2.5Y 7/5), wet, medium dense, fine to medium grained, contains shell fragments, -HCL	
SS 21	▲		14-1/12"	9.5	137.1	85		SAND, silty (SM)- Pale olive (5Y 6/3), wet, very loose, very fine to fine grained, contains cemented limestone fragments, -HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 22	▲		5-8-15	18	132.3	90		SILT (ML) - Pale olive (5Y 6/4), moist to wet, very stiff, low plasticity, contains yellowish brown (10YR 5/8) SAND lenses and some shell fragments, +HCL	Loss of circulation at a depth of 85.0 feet
UD 1		○		22	127.1	95		*SILT, with sand (MH)- Pale olive (5Y 6/4), moist to wet, very stiff, contains shell fragments, +HCL Pocket Penetrometer: >4.5 TSF	Top of Blue Bluff Marl at a depth of 92.0 feet Water level depth at end of 1/11/07 = Ground surface Installed 6" steel casing to a depth of 97.0 feet Pitcher
SS 23	▲		14-19-24	18		105		SAA except dark greenish gray (10Y 4/1), damp, hard, contains shell fragments	Water level depth at beginning of 1/15/07 = 20.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4002(DH)

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 5	HOLE NO. B-4002(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 24			▲ 50/0.5"	0.5	110		SAA except contains abundant cementation		
SS 25			▲ 17-50/2"	8	115		SAA	Water level depth at end of 1/15/07 = 10.0 feet	
SS 26		+ □	10-19-20	18	120		*CLAY (CH)- Pale olive (5Y 6/4), damp, hard, contains shell fragments, +HCL	Water level depth at beginning of 1/16/07 = 12.0 feet	
UD 2				15	125		SAA Pocket Penetrometer: >4.75 TSF	Pitcher	
SS 27			▲ 50/2"	2	130		SAA		
SS 28		▲	10-37-33	18	135		SAA except no cementation		
SS 29			▲ 50/5.5"	5.5	140		SAA except no shell fragments, abundant cementation		
SS 30		+ ○ ▲ □	19-19-26	18	145		*CLAY, sandy (CL)- Greenish gray (10Y 5/1), damp, hard, contains shell fragments, +HCL	Water level depth at end of 1/16/07 = 3.0 feet	
SS 31		▲	24-18-23	18	150		SAA	Water level depth at beginning of 1/17/07 = 14.0 feet	
SS 32		▲	12-15-36	18	155		SAA except some cementation		
SS 33		▲	14-19-24	18	160		SAA except greenish gray (GLE1 6/10Y), contains shell fragments and cementation		
SS			▲ 37-50/5"	11	161.7		SAND, with silt (SP-SM)- Dark greenish	Top of Still Branch Formation at a depth of 161.7 feet	
				SITE	Vogle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-4002(DH)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 5	HOLE NO. B-4002(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
34						165		gray (GLEY1 4/10GY), wet, very dense, fine grained, +HCL	
UD 3		□ ○		14		170			
						175		SAA except very dark greenish gray (GLEY1 3/10Y), medium dense Pocket Penetrometer: 0.35 TSF	Pitcher
SS 35		▲	5-13-28	18		180			
						185		SAA except dense, contains brownish yellow (10YR 6/6) CLAY lense, -HCL	
SS 36		▲	22-50/5"	11		190		SAA except very dense	Water level depth at beginning of 1/18/07 = 48.0 feet
						195			
SS 37		▲	WOH/6"-7-32 18			200		SAA except dark gray (GLEY1 4/N), dense, very fine grained	Water level depth at end of 1/18/07 = 19.0 feet
						205			
SS 38		▲	7-13-19	18		210		CLAY (CL)- Dark greenish gray (GLEY1 4/10GY), moist, hard, low plasticity, contains SAND lenses up to 0.5" thick, -HCL	Water level depth at beginning of 1/19/07 = 42.0 feet
						215			
						220			
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4002(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 5 OF 5	HOLE NO. B-4002(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 39	⊗	▲	15-18-35	18	-5.7	225		<b>SAND, with clay (SP-SC)</b> - Dark greenish gray (GLEY1 4/5GY), wet, very dense, medium grained, contains CLAY lenses, -HCL	Top of Congaree Formation at a depth of 224.8 feet
UD 4	■	○		13	-12.9	235		<b>CLAY (CL)</b> - Red (10R 4/6) and pinkish white (10R 8/2), moist, stiff to very stiff, low to medium plasticity, -HCL	Pitcher Water level depth at end of 1/19/07 = 15.0 feet
SS 40	⊗	▲	13-19-22	18	-20.9	240		<b>SILT, with sand (ML)</b> - Light gray (GLEY1 7/N), moist, hard, nonplastic to low plasticity, very fine grained SAND, micaceous, -HCL	Water level depth at beginning of 1/23/07 = 78.0 feet Changed to 3 7/8" drill bit
SS 41	⊗	▲	27-45-50	17	-26.9	245		<b>SAND, silty (SM)</b> - Light gray (10YR 7/1), wet, very dense, fine to medium grained, micaceous	Water level depth at end of 1/23/07 = 20.0 feet
					-30.9	250		Boring terminated at 250 feet	Water level depth at beginning of 1/24/07 = 33.0 feet
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4002(DH)

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 5</b>		HOLE NO. <b>B-4003(DH)</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142599.9 E 620927.1</b>		BEGUN <b>11/16/2006</b>		COMPLETED <b>12/12/2006</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>249.8</b>	
GROUND EL. <b>219.0</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20   40   60   80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						219.0					
SS 1	X	▲	15-13-15	16		218.4			<b>GRAVEL, with sand (GP)-</b> Brown (2.5YR 4/2), damp, medium dense <b>SAND, with silt (SP-SM)-</b> Red (2.5YR 4/6), damp to moist, medium dense, very fine to fine grained SAA except yellowish red (5YR 5/6), dense SAA except medium dense, contains CLAY lenses <b>SAND, clayey (SC)-</b> Yellowish red (5YR 5/6) and reddish yellow (7.5YR 6/8), moist, medium dense, fine grained SAA SAA except yellowish red (5YR 5/6), reddish yellow (7.5YR 6/8), red (2.5YR 4/6), and white (7.5YR 8/1), fine to medium grained <b>CLAY, with sand (CH)-</b> Strong brown (7.5YR 5/8), moist, very stiff, medium to high plasticity, very fine grained SAND <b>SAND (SP)-</b> Reddish yellow (7.5YR 6/8), yellowish red (5YR 5/8), moist, dense, fine to medium grained <b>SAND, silty (SM)-</b> Yellowish red (5YR) and pinkish white (5YR 8/2), moist, dense, fine to medium grained, contains trace black manganese staining SAA except strong brown (7.5YR 5/8), medium dense <b>SAND, clayey (SC)-</b> Brownish yellow (10YR 6/6), moist, loose, fine to medium grained <b>CLAY, sandy (CL)-</b> Yellow (2.5Y 7/6), moist, stiff, fine grained SAND SAA <b>SAND, clayey (SC)-</b> Strong brown (7.5YR 5/8), moist, loose, fine grained SAA except yellow (10YR 7/6)	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.6 feet Begin drilling with a 3 7/8" drill bit	
SS 2	X		17-16-17	14							
SS 3	X	▲	12-4-6	16							
SS 4	X	▲	6-13-16	17		213.5	5				
SS 5	X	▲	9-11-15	16			10				
SS 6	X	▲	10-12-17	16.5		206.0					
SS 7	X	▲	5-20-19	16		205.2	15				
SS 8	X	▲	8-14-21	12		202.0	20				
SS 9	X	▲	6-8-10	16			25				
SS 10	X	▲ ○ □	3-3-4	16		192.0	30				
SS 11	X	▲	4-5-5	18		187.0	35				
SS 12	X	▲	4-4-4	18			40				
SS 13	X	▲	1-2-4	18		177.0	45				
SS	X	▲ □	3-4-4	18							

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE





SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4003(DH)**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 5	HOLE NO. B-4003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		5-9-11	18		55		SAA except medium dense	
SS 16	▲		6-10-11	18		60		SAA except yellow (10YR 7/6) and pale yellow (2.5Y 7/4)	Water level depth at end of 11/16/06 = 10.0 feet
SS 17	▲		4-5-5	16.5		65		SAND, silty (SM)- Pale yellow (2.5Y 7/3), moist, medium dense, medium grained, contains some cementation	Water level depth at beginning of 11/17/06 = 32.7 feet
SS 18	▲		5-5-6	16.5		70		SAND, clayey (SC)- Pale yellow (2.5Y 7/3), wet, medium dense, fine to coarse grained, contains some shell fragments	
SS 19	▲		12-15-20	15.5		75		SAND, silty (SM)- Pale yellow (2.5Y 7/3), wet, dense, fine to coarse grained	
SS 20	▲		12-18-19	18		80		SAA except very pale brown (10YR 7/4), very fine to fine grained	
SS 21	▲		29-50/1"	7		85		SAA except pale yellow (2.5Y 7/4), very dense, fine to very coarse grained, contains cemented shell fragments	
SS 22	▲		8-8-8	18		90		CLAY, silty with sand (CL-ML)- Greenish gray (10Y 6/1), moist, very stiff, very fine to fine grained SAND, contains brownish yellow SAND lenses	
SS 23	▲		23-21-50/4"	16		95		*CLAY, silty (CL-ML)- Dark greenish gray (10Y 4/1), moist, hard, contains traces of very fine to fine grained SAND	Top of Blue Bluff Marl at a depth of 92.0 feet
SS 24	▲ ⊕	□	11-16-28	18		100		*SILT (MH)- Dark greenish gray (10Y 4/1), moist, hard, +HCL	Water level depth at end of 11/17/06 = 28.0 feet
SS 25	▲		50/2.5"	2.5		105		SAA except contains cementation	Water level depth at beginning of 11/27/06 = Borehole dry (Borehole collapsed to 55.0 feet) Reamed hole to a depth of 100.0 feet using a 9 7/8" drill bit. Installed 6" steel casing to a depth of 100.0 feet
						112.0			Water level depth at
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4003(DH)

GEOTECHNICAL LOG			PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 5	HOLE NO. B-4003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	⊕ — — ⊕	▲ 9-50/4"	10	110		*SILT, sandy (MH)- Dark greenish gray (10Y 4/1), moist, hard, contains trace shell fragments +HCL	end of 11/27/06 = Ground surface Water level depth at beginning of 11/28/06 = 33.0 feet
SS 27	⊗		▲ 0-14-50/4"		115		SAA	
UD 1	■	○		9.5	120		SAA Pocket Penetrometer: >4.75 TSF	Pitcher  Water level depth at end of 12/5/06 = 8.0 feet
SS 28	⊗	▲	▲ 20-35-42	18	125		SAA	Water level depth at beginning of 12/6/06 = 14.0 feet
SS 29	⊗		▲ 31-30-50/2"	14	130		SAA except greenish gray (10Y 5/1)	
SS 30	⊗		▲ 23-50/5"	11	135		SAA except no shell fragments	
UD 2	■	○		20	140		SAA Pocket Penetrometer: >4.75 TSF	Pitcher
SS 31	⊗		▲ 15-20-50/5"	17	145		SAA	
SS 32	⊗	⊕ — + ▲ □	▲ 17-26-34	18	150		*CLAY, with sand (CL)- Greenish gray (10Y 5/1), dry, hard, fine grained SAND, +HCL	
SS 33	⊗	▲	▲ 13-41-38	18	155		*CLAY, silty (CL-ML)- Greenish gray (10Y 5/1), dry, hard, contains traces fine grained SAND, +HCL	
UD 3	■			23.5	160		SAA Pocket Penetrometer: >4.75 TSF	Pitcher  Water level depth at end of 12/6/06 = 19.0 feet
SS	⊗		▲ 50/2"	2			SAA except greenish gray (10GY 6/1), moist,	Water level depth at beginning of 12/7/06 = 32.0 feet
SITE				Vogtle Units 3 & 4 COL Project				HOLE NO.
				Final Log				B-4003(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 5	HOLE NO. B-4003(DH)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
34	×				53.0	165		fine to coarse grained, contains large shell fragments	Top of Still Branch Formation at a depth of 166.0 feet
SS 35	×	▲	6-16-23	18		170		SAND, silty (SM)- Dark greenish gray (5GY 4/1), wet, dense, fine grained, -HCL	
SS 36	×	▲	5-9-14	18		180		SAA except medium dense, contains shell fragments, +HCL	
SS 37	×		50/4"	4		190		SAA except greenish gray (10Y 5/1), very dense, fine to very coarse grained, contains large shell fragments	
UD 4				6		200		SAA except dark greenish gray (5GY 4/1) Pocket Penetrometer: 3.5 TSF	Pitcher
UD 5		□ ○		16		205			Direct Push Water level depth at end of 12/7/06 = 17.0 feet
SS 38	×		10-13-50/5"	12		210		SAA except very dense, fine to medium grained	Water level depth at beginning of 12/8/06 = 49.0 feet
SS 39	×	▲	4-13-25	18		220		SAA except greenish gray (10GY 5/1), dense, -HCL CLAY (CL)- Greenish gray (5G 5/1), moist,	Water level depth at
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-4003(DH)

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 5 OF 5	HOLE NO. B-4003(DH)						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 40	⊗												hard, low to medium plasticity, contains trace very fine grained SAND	end of 12/8/06 = 13.0 feet Water level depth at beginning of 12/11/06 = 84.0 feet
SS 41	⊗												CLAY (CL)- Greenish gray (5G 5/1), moist, hard, low to medium plasticity, contains SAND seams up to 1" thick	Top of Congaree Formation at a depth of 228 feet.
SS 41	⊗												CLAY, silty (CL-ML)- Dark greenish gray (10Y 4/1), moist, hard, contains trace very fine grained SAND	Water level depth at end of 12/11/06 = 16.0 feet
													SAND, silty (SM)- Greenish gray (10GY 5/1), moist to wet, very dense, fine to medium grained, -HCL	Water level depth at beginning of 12/12/06 = 48.0 feet
UD 6	■												SAA except dark greenish gray (10Y 4/1), wet, fine grained Pocket Penetrometer: 0.70 TSF SAA except light gray (7/N) Boring terminated at 249.79 feet	Pitcher
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4003(DH)	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-4004</b>	
LOGGED BY <b>B. Sharp</b>			COORDINATES <b>N 1142459.7 E 621046.6</b>			BEGUN <b>11/8/2006</b>	COMPLETED <b>11/10/2006</b>		
DRILLER <b>Oglesby-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>5 Inches</b>	HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>218.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					218.5				
SS 1	X	▲	10-21-10	17	217.5			<b>GRAVEL, with sand (GP)-</b> Brown (7.5YR 5/2), moist, dense, fine to medium grained	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet
SS 2	X	▲	9-12-12	17	216.7			<b>SAND, silty (SM)-</b> Red (10R 4/6), moist, dense, fine grained	
SS 3	X	▲	5-7-8	4	215.2			<b>SAND, silty (SM)-</b> Red (10R 4/6), moist, dense, fine grained	
SS 4	X	▲	12-13-13	18		5		<b>SAND, with silt (SP-SM)-</b> Red (10R 4/6), moist, medium dense, fine grained	
SS 5	X	○	8-11-12	12		10		<b>SAND, silty (SM)-</b> Red (10R 4/6), moist, medium dense, fine to medium grained	
SS 6	X	▲	11-12-14	14				SAA	
SS 7	X	▲	6-14-12	13		15		SAA except dark red (10R 3/6), contains some coarse grained	
					201.5			SAA except strong brown (7.5YR 5/8)	
SS 8	X	○	16-24-34	13		20		<b>*SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/6), moist, very dense, fine to medium grained	
SS 9	X	▲	7-9-9	16		25		<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/6), moist, medium dense, fine to medium grained, contains CLAY lenses	
SS 10	X	▲	7-10-9	14		30		<b>SAND, with clay (SP-SC)-</b> Yellowish brown (10YR 5/6), moist, medium dense, fine to medium grained	
SS 11	X	▲	5-7-8	18		35		<b>*CLAY, sandy (CL)-</b> Very pale brown (10YR 7/3), moist, stiff, fine grained, contains some black manganese staining	
SS 12	X	▲	5-6-9	16		40		SAA	
SS 13	X	▲	2-3-3	18		45		SAA	
SS	X	▲	5-5-5	18		171.5		<b>*SAND, clayey (SC)-</b> Brownish yellow (10YR 6/8), moist, loose	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4004**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4004	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		3-3-3	18		55		SAA except light yellowish brown (10YR 6/4), fine to medium grained, contains CLAY lenses	
					161.5				
SS 16	□ ▲		12-11-15	13		60		SAND, with clay (SP-SC)- Pale brown (10YR 6/3), moist, medium dense, fine grained	
					156.5				
SS 17	▲ □ ○		3-8-4	18		154.0		SAND, clayey (SC)- Pale brown (10YR 6/3), moist, medium dense, fine to medium grained SAND, silty (SM)- Light gray (10YR 7/2), moist, medium dense, fine to coarse grained, contains shell fragments	
SS 18	▲		7-9-13	18		70		SAA	Loss of circulation at a depth of 65.0 feet
SS 19	□ ●		12-13-10	18		75		SAA except white (10YR 8/1), medium to coarse grained	
					141.5				
SS 20	▲		13-17-22	18		139.0		SAND (SP)- Light gray (10YR 7/2), moist, dense, fine to medium grained, contains some CLAY lenses SAND, clayey (SC)- Light gray (10YR 7/2), moist, dense, fine to medium grained	
					136.5				
SS 21	▲		10-12-15	18		85		*SAND, with silt (SW-SM)- Light gray (10YR 7/2), moist, medium dense, fine to medium grained	
					131.0				
SS 22	□ ○		50/2"			90		*SHELL HASH, with silt (SW-SM)- White (10YR 8/1), moist, very dense, fine to coarse grained, contains cemented shell fragments	Top of Utley Limestone at a depth of 87.5 feet
					127.5				Top of Blue Bluff Marl at a depth of 91.0 feet
SS 23	▲		8-13-13	18		95		*SILT, with sand (MH)- Greenish gray (5G 4/1), moist, very stiff, contains trace very fine to fine grained SAND	
SS 24	○		29-34-50/1"	13		100		SAA except hard	
					116.5				
SS 25	● □		14-16-33	18		105		*SILT (MH)- Greenish gray (5G 4/1), moist, hard, high plasticity SAA	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-4004

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4004
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	20-19-24	18		110		SAA except dark greenish gray (5GY 4/1), contains shell fragments	
SS 27	⊗		▲ 1-13-50/5"	17		115		SAA except greenish gray (10Y 5/1)	
SS 28	⊗	+ - - +	▲ 40-50/2"		101.5	120		*SILT, sandy (MH)- Greenish gray (10Y 5/1), moist, hard, very fine to fine grained SAND, contains lithified zones	
SS 29	⊗		▲ 50/5"	5		125		SAA except contains cemented shell fragments	
SS 30	⊗		▲ 25-31-50/5"	17		130		SAA except no shell fragments	
SS 31	⊗	+ - - +	▲ 50/6"-33-50/5"	15.5	86.5	135		*SILT, with sand (MH)- Greenish gray (10Y 5/1), moist, hard, very fine to fine grained SAND, contains cemented shell fragments	Water level depth at end of 11/9/06 = 62.0 feet Changed to a 2 7/8" drill bit Water level depth at beginning of 11/10/06 = 62.0 feet
SS 32	⊗		▲ 50/0.5"	0.5		140		SAA except light greenish gray (5GY 7/1), dry to damp	
SS 33	⊗		▲ 26-41-50/4"	16		145		SAA except greenish gray (10Y 6/1), moist	
SS 34	⊗	+ ○ ▲ + □	20-20-20	18		150		*CLAY, with sand (CL)- Greenish gray (10Y 6/1), moist, hard, nonplastic to low plasticity Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4004

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4005</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142715.0 E 620948.7</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>3/20/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>164.9</b>	
GROUND EL. <b>221.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				221.1					
SS 1	X	▲	9-10-7	15		220.1			<b>GRAVEL, with sand (GP)-</b> Gray (7.5YR 5/1), damp to moist, medium dense, medium to coarse grained SAND	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet	
SS 2	X		7-10-13	13							
SS 3	X	▲	14-13-13	8.5		215.6	5		<b>SAND (SP)-</b> Strong brown (7.5YR 5/8), damp to moist, medium dense, fine to medium grained SAA except strong brown (7.5YR 5/6) and brown (7.5YR 4/3), moist SAA except brown (7.5YR 4/3), fine grained <b>*SAND, silty (SM)-</b> Strong brown (7.5YR 4/6), moist, medium dense, fine grained SAA except loose		
SS 4	X	▲	13-10-10	18							
SS 5	X	▲ □	3-4-3	10.5			10		SAA except yellowish red (5YR 5/8)		
SS 6	X	▲	4-3-3	6.5					SAA except strong brown (7.5YR 5/8), medium dense		
SS 7	X	▲	4-4-3	9.5		204.1			<b>SAND, clayey (SC)-</b> Strong brown (7.5YR 4/6) and yellowish red (5YR 5/8), moist, loose to medium dense, medium grained		
SS 8	X	▲ □	4-4-6	10		199.1					
SS 9	X	▲	3-4-3	8		194.1	25		<b>SAND, with clay (SP-SC)-</b> Reddish yellow (5YR 6/8), moist, loose, coarse grained, contains black manganese staining		
SS 10	X	▲	3-4-2	16			30		<b>SAND, clayey (SC)-</b> Strong brown (7.5YR 5/8), moist, loose, medium to coarse grained, contains CLAY lenses SAA except brownish yellow (10YR 6/8) and yellowish red (5YR 5/8)		
SS 11	X	▲	3-5-4	10			35				
SS 12	X	▲ □	3-3-3	15		179.1	40		SAA except brownish yellow (10YR 6/8) and pale yellow (5Y 7/4), medium grained		
SS 13	X	▲	2-4-3	16			45		<b>SILT, sandy (ML)-</b> Pale yellow (5Y 7/4), moist, medium stiff, low plasticity, fine to medium grained, -HCL		
SS	X	▲	WOH/18"	12					SAA except very soft		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4005**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									Loss of circulation at a depth of 50.0 feet
SS 15	▲		WOH/12"-5	13		55		SAA except soft to medium stiff, very fine to fine grained SAND	
SS 16	▲		WOH/14"-2/4"	14		60		SAA except very soft, contains abundant shell fragments and some black manganese staining	
SS 17	▲		WOH/19"	15		65		SAA except no shell fragments	
SS 18	▲		WOH/21"	16		70		SAA except wet	
SS 19	▲		WOH/24"	7		75		SAA except no manganese staining	Water level depth at end of 2/14/07 = 19.0 feet
SS 20	▲		WOH/24"	12		80		SAA	Water level depth at beginning of 2/15/07 = 68.0 feet
SS 21	▲		WOH/19"	0		85		NO RECOVERY	
SS 22	▲		8-8-11	18		90		SILT (ML) - Light olive brown (2.5Y 5/3), moist, very stiff, low plasticity, contains SAND lenses, +HCL *SILT (MH) - Dark greenish gray (GLEYS 4/10Y), damp, very stiff, high plasticity, contains SAND lenses and minor shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 89.5 feet Water level depth at end of 2/15/07 = 58.0 feet Water level depth at beginning of 3/15/07 = 2.5 feet Installed 6" steel casing to a depth of 95.0 feet
SS 23	▲		16-50/4.5"	10.5		95		SAA except dark greenish gray (GLEYS 4/5GY), hard, no shell fragments	
SS 24	▲	○	12-15-26	18		100		SAA	
UD 1				27.5		105		SAA except contains abundant shell fragments Pocket Penetrometer: >4.75 TSF	Pitcher
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4005

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25	✕		OH/6"-50/0" 6		110		SAA		
SS 26	✕	G ▲ — □	16-19-22 18		109.1				
SS 27	✕		44-50/4" 10		115		*SILT, sandy (MH)- Dark greenish gray (GLEY 1 4-5GY), damp, hard, high plasticity, contains sand lenses and shell fragments, +HCL		
SS 28	✕		21-26-50/2" 14		120		SAA except few shell fragments and abundant cementation		
SS 29	✕	+ ○ — ▲ □	15-28-35 18		125		SAA except greenish gray (GLEY1 6/10Y)		
SS 30	✕		14-50/6" 12		94.1		*SILT (MH)- Greenish gray (GLEY 1 6/10Y), damp, hard, high plasticity, +HCL SAA		
SS 31	✕		9-29-50/5.5" 17.5		130		SAA		
SS 32	✕	○ — + □ ▲	27-36-46 18		135		SAA except no shells or cementation		
UD 2	■				79.1		*CLAY, with sand (CL)- Greenish gray (GLEY1 6/10Y), damp, hard, low plasticity, +HCL *SAA with shell fragments	Water level depth at end of 3/15/07 = 6.5 feet	
SS 33	✕		50/4" 4		145		SAA	Water level depth at beginning of 3/19/07 = 43.0 feet	
SS 34	✕		16-21-50/2" 14		150		SAA Pocket Penetrometer: >4.75 TSF	Pitcher	
SS	✕		8-30-50/5" 8		155		SAA except some cementation and shell fragments	Water level depth at end of 3/19/07 = 10.0 feet	
					160		SAA except abundant shell fragments	Water level depth at beginning of 3/20/07 = 21.5 feet	
					58.1		SAND, silty (SM)- Very dark greenish gray	Top of Still Branch	
				SITE	Vogle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-4005	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-4005		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
35	X							56.2				(GLEY1 3/10Y), wet, very dense, fine grained, -HCL Boring terminated at 164.92 feet	Formation at a depth of 163.0 feet
<div style="display: flex; justify-content: space-between;"> <div>           SITE  <b>Vogtle Units 3 &amp; 4 COL Project</b>  <b>Final Log</b> </div> <div>           HOLE NO.  <b>B-4005</b> </div> </div>													

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4006</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142719.6 E 621076.4</b>		BEGUN <b>1/4/2007</b>		COMPLETED <b>1/11/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>165.0</b>	
GROUND EL. <b>221.0</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						221.0					
SS 1	X	▲	2-2-3	8		219.5			<b>SAND (SP)</b> - Yellowish red (5YR 5/8), moist, loose, very fine to fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	6-9-13	16.5		217.7		<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/6), moist, medium dense, fine grained			
SS 3	X	▲	7-14-15	6			5		<b>SAND, silty (SM)</b> - Reddish brown (5YR 4/6), moist, medium dense, fine grained		
SS 4	X	▲	4-5-4	15.5		213.0			SAA except strong brown (7.5YR 4/6), moist, loose, very fine to fine grained		
SS 5	X	▲	4-2-4	11		210.5	10		<b>SAND, with silt (SP-SM)</b> - Strong brown (7.5YR 5/6), moist, loose, very fine to fine grained		
SS 6	X	▲ □	4-6-13	17.5		208.0			<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/6) and strong brown (7.5YR 5/8), moist, medium dense, fine grained, contains trace black manganese staining		
SS 7	X	▲	11-18-19	14.5		204.0	15		<b>SAND, silty (SM)</b> - Mottled yellowish red (5YR 5/6) and strong brown (7.5YR 5/8), moist, dense, fine grained, contains black manganese staining		
SS 8	X	▲	8-16-16	15.5		201.8	20		<b>SAND, clayey (SC)</b> - Strong brown (7.5YR 5/8), moist, dense, fine grained	Water level depth at end of 1/4/07 = Ground surface	
						199.0		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), moist, dense, fine grained			
SS 9	X	▲ □	10-14-15	15.5		194.0	25		<b>SAND, clayey (SC)</b> Red (2.5YR 5/8), moist, medium dense, fine to medium grained	Water level depth at beginning of 1/5/07 = Borehole dry	
SS 10	X	▲	9-13-20	12.5		189.0	30		<b>SAND (SP)</b> - Yellowish red (5YR 5/6) and pink (7.5YR 7/4), moist, dense, fine to medium grained		
SS 11	X	▲	7-10-12	15.5		184.0	35		<b>SAND, silty (SM)</b> - Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained, contains some black manganese staining		
SS 12	X	▲	3-4-4	18			40		<b>SILT, sandy (ML)</b> - Yellow (2.5Y 7/6), moist, medium stiff to stiff, low plasticity, very fine to fine grained SAND, contains CLAY lenses		
SS 13	X	▲	4-4-6	18			45		SAA except stiff, contains some SAND lenses		
SS	X	▲	4-4-5	18					SAA except pale olive (5Y 6/4), strong brown (7.5YR 5/6), and red (2.5YR 5/8), moist, stiff,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4006**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4006
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					169.0			low plasticity, fine to medium grained SAND, contains black manganese staining, -HCL	
SS 15	▲ □		4-4-7	18		55		SAND, silty (SM)- Pale yellow (5Y 7/4) and strong brown (7.5YR 5/8), moist, medium dense, very fine to fine grained, -HCL	
SS 16	▲		6-8-12	15.5		60		SAA except yellow (10YR 7/6)	
SS 17	▲		7-13-10	18		65		SAA except yellow (2.5Y 7/6), fine to medium grained, contains black manganese staining	
SS 18	▲		3-6-11	18	151.6	70		CLAY, sandy (CL)- Yellow (10YR 7/6), pale yellow (2.5Y 7/3), moist, very stiff, low plasticity, contains trace shell fragments and SAND lenses, -HCL	
SS 19	▲		15-22-25	17	149.0	75		SAND, clayey (SC)- Pale yellow (2.5Y 7/4), reddish yellow (5YR 6/6), and yellow (2.5Y 7/6), moist, medium dense, fine grained, contains trace shell fragments, -HCL	
SS 20	▲		10-12-15	12.5		80		SAND (SP)- Pale yellow (2.5Y 7/4), moist, dense, fine to medium grained, -HCL	
SS 21	▲		7-7-20	18	139.0	85		SAA except wet, medium dense, very fine to medium grained, contains CLAY lenses and black manganese staining	Loss of circulation at a depth of 82.0 feet
SS 22	▲		3-8-16	18	131.5	90		SAND, silty (SM)- Pale yellow (5Y 8/2), wet, medium dense, fine grained, contains abundant cemented shell fragments, +HCL	
SS 23	▲		13-29-50/5"	18		95		SILT (ML)- Pale olive (5Y 6/4), moist, very stiff, +HCL	Top of Blue Bluff Marl at a depth of 89.5 feet
SS 24	▲		50/5"	5		100		*SILT, with sand (MH)- Dark greenish gray (10GY 4/1), moist, very stiff, +HCL	Water level depth at beginning of 1/9/07 = 75.0 feet (Borehole collapsed to 85.0 feet)
SS 25	▲		12-18-50/6"	18		105		SAA except hard, contains abundant cementation	
								SAA except no cementation	
								SAA except contains few shell fragments	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4006

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4006
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗		▲ 14-20-50/3"	15	110		SAA except abundant shell fragments and some cementation	Water level depth at end of 1/9/07 = Ground surface  Water level depth at beginning of 1/10/07 = 75.0 feet (Borehole collapsed to 79.0 feet)	
SS 27	⊗		▲ 1-30-50/2"	14	115		SAA		
SS 28	⊗		▲ 9-50/5"	11	120		SAA except some cemented shell fragments		
SS 29	⊗	+ ⊖ ▲ + □	18-24-28	18	125		SAA except greenish gray (5GY 5/1), no cementation		
SS 30	⊗		20-36-39	18	130		SAA except some cementation		
SS 31	⊗		▲ 1-34-50/3"	15	135		SAA except no shell fragments		
SS 32	⊗		▲ 42-50/5.5"	11.5	140		SAA	Water level depth at end of 1/10/07 = 74.0 feet  Water level depth at beginning of 1/11/07 = 75.0 feet  Top of Still Branch Formation at a depth of 160.0 feet	
SS 33	⊗	○ + - - + □	▲ 49-50/5"	11	145		*CLAY, sandy (CH)- Greenish gray (5GY 5/1), moist, very stiff, high plasticity, +HCL		
SS 34	⊗		▲ 6-46-50/5"	17	150		SAA except trace shell fragments		
SS 35	⊗		12-16-24	18	155		SAA except greenish gray (10Y 5/1), no shell fragments		
SS 36	⊗		▲ 50/2"	2	160		SILT, sandy (ML)- Greenish gray (10Y 5/1), moist, hard, low plasticity, fine grained SAND, contains large cemented shell fragments, +HCL		
SS	⊗	▲	8-12-22	18	160		SAND, silty (SM)- Very dark greenish gray		
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
				Final Log				B-4006	

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-4006				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				1st 6" 2nd 6" 3rd 6" N-COUNT		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
37	X								56.0	165		(10Y 3/1), moist to wet, dense, fine grained, -HCL Boring terminated at 165 feet		
													SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>	HOLE NO. <b>B-4006</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4007</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142426.2 E 621125.3</b>		BEGUN <b>1/24/2007</b>		COMPLETED <b>1/30/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>170.0</b>	
GROUND EL. <b>217.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						217.9					
SS 1	X	▲	4-5-3	8		216.9			<b>GRAVEL, with sand (GP)-</b> Dark gray (7.5YR 4/1), moist, loose, medium grained <b>SAND</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet	
SS 2	X	▲	3-6-9	16		216.4		<b>SAND, clayey (SC)-</b> Red (10R 4/6), moist, loose, fine grained			
SS 3	X	▲ □	8-5-5	13.5		214.7			<b>SAND, silty (SM)-</b> Red (10R 4/8), moist, medium dense, fine grained		
SS 4	X	▲	5-4-4	18		209.9	5		<b>SAND, clayey (SC)-</b> Red (10R 4/8), moist, loose to medium dense, fine grained SAA except loose		
SS 5	X	▲	6-7-9	13			10		<b>SAND (SP)-</b> Yellowish red (5YR 5/8), moist, medium dense, very fine to fine grained		
SS 6	X	▲	6-8-10	12					SAA		
SS 7	X	▲	8-11-11	12		200.9	15		SAA		
SS 8	X	▲	7-9-11	14		195.9	20		<b>SAND, with silt (SP-SM)-</b> Yellowish red (5YR 5/8), moist, medium dense, fine to medium grained		
SS 9	X	▲	11-22-26	12.5		190.9	25		<b>SAND (SP)-</b> Yellow (10YR 7/8), moist, dense, medium grained, contains black manganese staining		
SS 10	X	□ ▲	9-11-13	12			30		<b>SAND, clayey (SC)-</b> Yellow (10YR 7/8) and strong brown (7.5YR 5/6), moist, medium dense, medium grained		
SS 11	X	▲	8-6-6	15		180.9	35		SAA except brownish yellow (10YR 6/8), contains CLAY lenses		
SS 12	X	▲	4-4-6	18		175.9	40		<b>CLAY, silty with sand (CL-ML)-</b> Olive yellow (2.5Y 6/6), moist, stiff, low plasticity, contains black manganese staining		
SS 13	X	▲	3-4-5	18			45		<b>SAND, clayey (SC)-</b> Olive yellow (2.5Y 6/6), moist, loose, very fine to fine grained, contains black manganese staining, -HCL		
SS	X	▲	3-6-9	18					SAA except medium dense, fine to medium grained, contains shell fragments		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4007**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4007
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					165.9				
SS 15	▲		2-4-4	18		55		<b>CLAY, silty with sand (CL-ML)</b> - Yellow (2.5Y 7/6), moist, medium stiff to stiff, low plasticity, contains black manganese staining, -HCL	
SS 16	□▲		6-10-9	16		60		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 7/4), moist, medium dense, medium grained, contains shell fragments, -HCL	
SS 17	▲		9-15-15	17		65		<b>SAND (SP)</b> - Light yellowish brown (10YR 6/4), moist, medium dense to dense, fine to medium grained, -HCL	
SS 18	▲		4-6-6	18		70		<b>SAND, clayey (SC)</b> - Pale yellow (5Y 7/3), moist to wet, medium dense, medium grained, contains some shell fragments, -HCL	Water level depth at end of 1/24/07 = 6.0 feet
SS 19	▲		42-18-21	18		75		<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/2), wet, dense, medium to coarse grained, contains cemented shell fragments, +HCL	Water level depth at beginning of 1/25/07 = 30.0 feet
SS 20	▲		8-12-15	18		80		<b>SILT, sandy (ML)</b> - Light greenish gray (GLE Y1 7/5GY), moist to wet, stiff, low plasticity, very fine to fine grained SAND, contains trace shell fragments, -HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 21	▲		11-50/4"	10		85		<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/2), wet, very dense, fine grained, contains shell fragments, +HCL	
SS 22			50/1"	0		90		SAA except contains cemented shell hash	
SS 23	▲		8-9-11			95		<b>SILT, sandy (ML)</b> - Pale olive (5Y 6/4), moist, very stiff, nonplastic to low plasticity, very fine grained SAND, +HCL <b>*SILT, (MH)</b> - Dark greenish gray (GLE Y1 4/10Y), moist, very stiff, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 93.8 feet
UD 1		○ + □ - - - +		26		100		SAA except very stiff to hard Pocket Penetrometer: >4.75 TSF	Pitcher
SS 24	▲		15-22-50/3"	15		105		SAA except greenish gray (GLE Y1 4/5GY), hard, contains some cementation	
					110.9				
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4007

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-4007				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25		▲ + — — □ +				14-18-19		18		110		<b>*SILT, with sand (MH)</b> - Greenish gray (GLE Y1 4/5GY), moist, hard, contains shell fragments	Water level depth at end of 1/25/07 = 10.0 feet  Water level depth at beginning of 1/26/07 = 42.0 feet Pitcher Changed to 2 7/8" drill bit	
SS 26						▲ 12-50/2"		8		115		SAA except abundant cementation		
UD 2		○ + — — □						12.5		120		<b>*CLAY, sandy (CH)</b> - Greenish gray (GLE Y1 4/5GY), moist, hard, contains shell fragments Pocket Penetrometer: >4.75 TSF		
SS 27						▲ 50/5"		5		125		SAA except greenish gray (GLE Y1 5/5GY), contains trace shell fragments and cementation		
SS 28		+ ○ — — ▲ □				25-28-37		18		130		<b>*SILT, with sand (MH)</b> - Greenish gray (GLE Y1 5/5GY), moist, hard, contains trace shell fragments		
SS 29						▲ 48-31-50/5.5"		17.5		135		SAA except some cementation		
SS 30						▲ 36-50/1"		7		140		SAA		
SS 31						▲ 48-50/2"		8		145		SAA except greenish gray (GLE Y1 6/10Y)		
SS 32		▲				14-23-36		18		150		SAA		
UD 3		○						30		155		SAA Pocket Penetrometer: >4.75 TSF		
SS 33		▲				8-22-21		18		160		SAA		
SS		▲				11-17-18		18				SAA		
SITE									Vogle Units 3 & 4 COL Project					HOLE NO.
									Final Log				B-4007	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>4 OF 4</b>		HOLE NO. <b>B-4007</b>	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> <span>20</span> <span>40</span> <span>60</span> <span>80</span> </div>	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>			NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
34	X				51.9	165					Top of Still Branch Formation at a depth of 166.0 feet	
SS 35	X	▲	9-9-14	18	47.9	170		<b>SAND, silty (SM)-</b> Very dark greenish gray (GLEY1 3/5G), wet, medium dense, fine grained, -HCL Boring terminated at 170 feet				
						SITE			Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-4007</b>















<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4008</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142424.2 E 620973.8</b>		BEGUN <b>1/31/2007</b>		COMPLETED <b>2/28/2007</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>169.4</b>	
GROUND EL. <b>218.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				218.1					
SS 1	▲		5-8-11	14		217.3			<b>GRAVEL, with sand (GP)</b> - Gray (5YR 6/1), dry to moist, medium dense	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.8 feet	
SS 2	▲		8-10-11	18					<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8) and (10R 4/6), moist, medium dense, fine grained		
SS 3	▲		4-8-9	12			5		SAA		
SS 4	▲		12-11-13	18					SAA		
SS 5	▲		7-11-11	14			10		SAA except red (10R 4/8)		
SS 6	▲		7-13-12	14					SAA except red (2.5YR 4/8)		
SS 7	▲		7-10-9	14		205.1			<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), moist, medium dense, fine grained		
SS 8	▲		6-9-10	10			20		SAA except red (10R 4/6) and strong brown (7.5YR 5/8), fine to medium grained		
SS 9	▲		9-12-12	11		196.1			<b>SAND (SP)</b> - Yellow (2.5Y 7/6), moist, medium dense, medium grained, contains black manganese staining		
SS 10	▲		5-2-6	14		188.9 188.1			<b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 6/8), moist, loose, fine to medium grained <b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/8), moist, medium stiff to stiff, low to medium plasticity		
SS 11	▲		5-6-8	15			35		<b>SAND, clayey (SC)</b> - Olive yellow (2.5Y 6/6) to yellow (2.5Y 7/6), moist, medium dense, medium grained, contains few CLAY lenses		
SS 12	▲	□ ○ + - - +	3-5-6	18		181.1			<b>*SAND, silty (SM)</b> - Olive yellow (2.5Y 6/6), moist, medium dense, nonplastic to low plasticity, very fine to fine grained SAND		
SS 13	▲		3-4-4	18			45		SAA except loose		
SS	▲		WOH/18"	18					SAA except yellow (2.5Y 7/6), very loose, micaceous, contains black manganese staining.		



PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4008**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4008
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								-HCL	
SS 15	▲		1-1-1	18		55		SAA except yellow (10YR 7/8), not micaceous	
SS 16	▲		WOH/12"-3	18		60		SAA except abundant black manganese staining	
SS 17	▲		4-3-6	15.5	153.9	65		SAA except reddish yellow (7.5YR 6/6), moist to wet, loose, fine to medium grained, contains abundant black manganese staining	
SS 18			5-16-50/5"	15	151.4	70		CLAY, sandy (CL)- Olive yellow (2.5Y 6/6), moist, stiff, low plasticity, contains few shell fragments and black manganese staining, -HCL SAND, silty (SM)- White (5Y 8/1), moist to wet, very dense, fine to very coarse grained, contains partially cemented shell hash, +HCL	Loss of circulation at a depth of 70.0 feet
SS 19	▲		14-16-17	18		75		SAA except wet, dense, medium grained, contains shell fragments	Changed to a 2 7/8" drill bit
SS 20	▲		8-10-13	18	141.1	80		SAND, with silt (SP-SM)- Pale yellow (2.5Y 8/2), wet, medium dense, fine grained, contains trace shell fragments, -HCL	
SS 21	▲		15-26-32	9		85		SAA except very dense, no shell fragments	
SS 22			50/1.5"	0	131.1	90		NO RECOVERY	Top of Utley Limestone at a depth of 87.0 feet
SS 23			24-30-50/5"	17	126.1	95		*SILT, with sand (MH)- Dark greenish gray (GLE Y1 4/5GY), damp, hard, high plasticity, contains shell fragments, +HCL	Water level depth at end of 1/31/07 = 64.0 feet Water level depth at beginning of 2/2/07 = Borehole dry (Borehole collapsed to a depth of 75.0 feet) Top of Blue Bluff Marl at a depth of 92.0 feet
UD 1		○		8		100		SAA except contains lithified limestone Pocket Penetrometer: >4.75 TSF	Pitcher
UD 2		○		22.5		105		SAA except damp to moist, very stiff to hard Pocket Penetrometer: >4.75 TSF	Water level depth at beginning of 2/19/07 = Ground surface Pitcher Water level depth at end of 2/19/07 = Ground surface
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4008

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4008	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 24		▲ 40 45 50 55 60 65 70 75 80	11-14-15	18		110		SAA except dark greenish gray (GLE Y1 4/10Y), damp, very stiff	Water level depth at beginning of 2/20/07 = Ground surface
SS 25		▲ 40 45 50 55 60 65 70 75 80	11-16-17	18		115		SAA except greenish gray (GLE Y1 5/GY), hard, contains abundant shell fragments	
SS 26		▲ 40 45 50 55 60 65 70 75 80	20-21-27	18		120		SAA except few shell fragments	
UD 3		+ 40 45 50 55 60 65 70 75 80		9		125		*SILT (MH) - Greenish gray (GLE Y 1 5/GY), hard, contains mostly cemented limestone Pocket Penetrometer: >4.75 TSF	Pitcher
UD 4		○ 40 45 50 55 60 65 70 75 80		17		130		SAA Pocket Penetrometer: >4.75 TSF	Pitcher
SS 27		▲ 40 45 50 55 60 65 70 75 80	50/6"	6		135		SAA except no cementation	Water level depth at beginning of 2/21/07 = 14.0 feet Changed to a 3 7/8" drill bit
SS 28		▲ 40 45 50 55 60 65 70 75 80	50/1"	1		140		SAA except greenish gray (GLE Y1 6/10Y), abundant cementation	
SS 29		▲ 40 45 50 55 60 65 70 75 80	19-25-28	18		145		SAA except no cementation	
SS 30		▲ 40 45 50 55 60 65 70 75 80	16-21-21	18		150		SAA except no shell fragments	
SS 31		40 45 50 55 60 65 70 75 80	25-21-31	18		155		*CLAY, sandy (CL) -Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, contains trace shell fragments and cementation	Water level depth at end of 2/21/07 = 7.0 feet
SS 32		▲ 40 45 50 55 60 65 70 75 80	50/2"	1		160		SAA except dry, abundant cementation	Water level depth at beginning of 2/28/07 = 65.0 feet
SS		▲ 40 45 50 55 60 65 70 75 80	9-13-26	18				SAA except moist, contains large shell	
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
				Final Log				B-4008	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>4 OF 4</b>		HOLE NO. <b>B-4008</b>	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % <div style="display: flex; justify-content: space-around; font-size: small;"> <span>20</span> <span>40</span> <span>60</span> <span>80</span> </div>	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
33	X					53.1	165		fragments <div style="border-top: 1px dashed black; margin-top: 5px;"></div>	Top of Still Branch Formation at a depth of 165.0 feet		
SS 34	X		▲	34-50/5"	10	48.7			<b>SAND, silty (SM)-</b> Very dark greenish gray (GLEY1 3/10Y), wet, very dense, fine to medium grained, +HCL Boring terminated at 169.42 feet	Water level depth at end of 2/28/07 = 10.0 feet		

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4008**

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4009</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142486.1 E 621156.9</b>		BEGUN <b>1/29/2007</b>		COMPLETED <b>2/2/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>164.9</b>	
GROUND EL. <b>217.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							217.9				
SS 1	X	▲		6-4-4	16		217.6			<b>SAND (SP)</b> - Topsoil, contains organics	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.33 feet
SS 2	X	▲		7-7-7	18				<b>SAND, silty (SM)</b> - Red (10R 4/6), damp, loose, fine to medium grained, nonplastic SAA except red (2.5YR 5/8), dry, medium dense, medium grained		
SS 3	X	▲		5-5-6	13		5		SAA except red (2.5YR 5/6), damp, fine to medium grained, low plasticity		
SS 4	X	▲		4-8-7	7				SAA		
SS 5	X	▲ □		5-7-7	11		10		SAA		
SS 6	X	▲		9-11-13	13				SAA		
SS 7	X	▲		8-10-15	9		15		SAA except red (2.5YR 5/6) and yellowish red (5YR 5/6), nonplastic		
							200.9				
SS 8	X	▲ □		10-10-11	14		20		<b>SAND, silty, clayey (SC-SM)</b> - Yellowish red (5YR 5/6), damp, medium dense, fine to medium grained, low plasticity		
							195.9				
SS 9	X	▲		11-12-13	11		25		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/6) and yellow (10YR 7/6), damp, medium dense, fine to coarse grained, nonplastic, contains 3/4" thick CLAY seam at 24.5 feet		
							190.9				
SS 10	X	▲		10-12-13	5		30		<b>SAND (SP)</b> - Yellow (10YR 7/6), moist, medium dense, fine to coarse grained, subrounded, nonplastic		
SS 11	X	▲		6-8-8	9		35		SAA except yellow (10YR 7/6) and strong brown (7.5YR 5/6), moist to wet, slightly lignitic, contains CLAY seams up to 1/4" thick		
							180.9				
SS 12	X	▲ + ⊖		2-3-2	17		40		<b>*SAND, silty (SM)</b> - Mottled olive yellow (2.5Y 6/6) and brownish yellow (10YR 6/6), damp, loose, low plasticity		
SS 13	X	▲		2-2-3	7		45		SAA except mottled yellow (2.5Y 7/6) and brownish yellow (10YR 6/6)		
							170.9				
SS	X	▲		6-5-5	0					<b>NO RECOVERY</b>	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4009**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4009					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14								165.9					
SS 15	⊗	▲				6-4-4	14		55		<b>CLAY, silty (CL-ML)</b> - Yellow (2.5Y 7/6) and reddish yellow (7.5YR 6/6), damp, medium stiff to stiff, low plasticity		
SS 16	⊗	▲				7-9-8	16		60		<b>SAND, silty, clayey (SC-SM)</b> - Yellow (10YR 7/6), damp to moist, medium dense, fine to medium grained, subrounded, nonplastic		
SS 17	⊗	□	▲			3-7-11	17		65		<b>*SAND, with silt (SP-SM)</b> - Very pale brown (10YR 8/2), damp, medium dense, fine to coarse grained, -HCL	Water level depth at beginning of 1/30/07 = 42.0 feet	
SS 18	⊗		▲			5-10-12	16.5		70		SAA except very pale brown (10YR 8/2) and pink (2.5YR 8/3), moist		
SS 19	⊗			▲		11-14-15	12		75		SAA		
SS 20	⊗		▲			6-7-7	11		80		SAA except very pale brown (10YR 8/2) and pinkish white (5YR 8/2)		
SS 21					▲	50/0"	0		85		<b>NO RECOVERY</b>		Top of Utley Limestone at a depth of 81.5 feet
SS 22	⊗		▲			11-12-8	17.5		90		<b>CLAY, silty, sandy (CL-ML)</b> - Light yellowish brown (2.5YR 6/4), damp, very stiff, low plasticity, fine to medium grained SAND, contains shell fragments, +HCL		
SS 23	⊗			▲		12-24-25	19		95		<b>*SILT (MH)</b> - Greenish gray (GLE Y1 5/5GY), damp, hard, fine grained SAND, +HCL	Top of Blue Bluff Marl at a depth of 92.5 feet	
SS 24	⊗		▲	○	+	9-11-14	22		100		SAA except very stiff		
SS 25	⊗				▲	50/6"	4		105		SAA except greenish gray (GLE Y1 5/5GY), hard		
SITE								Vogtle Units 3 & 4 COL Project				HOLE NO.	
								Final Log				B-4009	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4009	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
UD 1		○+ --- ▣		24		110		SAA Pocket Penetrometer: >4.5 TSF	Pitcher
SS 26		▲	9-12-48	19.5		115		*SAA except dry to damp, hard, contains cementation	
SS 27			50/4"	5		120		SAA except contains some shell fragments	
SS 28		⊕ --- + ▣	26-32-48	20		125		*SILT, with sand (MH)= Greenish gray (GLE Y15/5GY), dry, hard, +HCL	Water level depth at beginning of 1/31/07 = 73.0 feet
SS 29			50/3"	3		130		SAA except contains cementation	
SS 30		▲	11-12-27	19.5		135		*CLAY (CH)- Greenish gray (GLE Y17/5GY), dry to damp, hard, contains shell fragments, +HCL	
SS 31			10-28-50/4"	21		140		SAA except dry, no shell fragments	
SS 32		▲	16-17-19	20		145		SAA	
UD 2		○		23.2		150		SAA Pocket Penetrometer: >4.5 TSF	Pitcher
SS 33		▲	13-20-22	22		155		SAA except greenish gray (GLE Y16/10Y)	
SS 34		⊕ --- + □	9-13-18	21.5		160		*CLAY, sandy (CH)- Greenish gray (GLE Y16/10Y), dry to damp, hard, +HCL	
SS		▲	16-32-50/5"	16		165		SAND, silty, clayey (SC-SM)- Dark greenish	Top of Still Branch Formation at a depth of 162.0 feet
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
				Final Log				B-4009	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-4009		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
35	X							53.0				gray (GLEY1 4/10GY) and greenish gray (GLEY1 6/5G), damp, very dense, fine to coarse grained, +HCL Boring terminated at 164.92 feet	

								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-4009</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4010</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142667.6 E 621249.0</b>		BEGUN <b>1/25/2007</b>		COMPLETED <b>2/22/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>160.0</b>	
GROUND EL. <b>219.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				219.1					
SS 1	▲		5-6-7	18					<b>SAND, silty (SM)-</b> Yellowish red (5YR 5/8), dry, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		7-5-6	18				SAA			
SS 3	▲		2-2-3	18		5		SAA except loose			
SS 4	▲		3-4-5	15				SAA except medium dense			
SS 5	▲ □		5-7-8	17		10		SAA			
SS 6	▲		11-15-12	18				SAA			
SS 7	▲		13-13-15	20		15		SAA except red (2.5Y 5/8), damp			
SS 8	▲		8-9-10	14		202.1		<b>SAND, silty, clayey (SC-SM)-</b> Red (2.5YR 5/6), damp, medium dense, fine grained, low plasticity			
SS 9	▲		7-7-9			197.1		<b>SAND, silty (SM)-</b> Yellowish brown (10YR 5/8), damp, medium dense, fine to medium grained			
SS 10	▲ □		5-6-9	18		192.1		<b>SAND, silty, clayey (SC-SM)-</b> Yellowish brown (10YR 5/8), damp, medium dense, fine to medium grained			
SS 11	▲		4-3-5	18			30	SAA except brownish yellow (10YR 6/6), loose, fine grained			
SS 12	▲		3-4-5	22		182.1		<b>CLAY, with sand (CL-ML)-</b> Yellow (2.5Y 6/6), damp, stiff, low plasticity, fine grained SAND			
SS 13	▲		5-4-6	19		177.1		<b>SAND, clayey (SC)-</b> Yellow (2.5Y 7/8), damp, medium dense, fine to coarse grained			
SS	▲ □		6-4-6	15		172.1		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/6), damp, medium dense, fine grained			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4010**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4010
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					167.1				
SS 15	▲		6-7-9 17		55		<b>SAND, silty (SM)</b> - Yellow (10YR 7/6), damp, medium dense, fine grained, -HCL		
SS 16	▲		10-11-16 12		60		SAA except fine to medium grained		
SS 17	▲		13-10-8 15		157.1		<b>SAND, with silt (SP-SM)</b> - Yellow (2.5Y 7/6), moist, medium dense, fine to medium grained, -HCL		
SS 18	▲		6-8-8 18		70		SAA		
SS 19	▲		9-10-16 20		147.1		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/3), damp, medium dense, fine grained, -HCL		
SS 20	▲		8-7-12 18		80		SAA		
SS 21	▲		50/2" 1		137.1		<b>CLAY, sandy (CL)</b> - Light olive brown (2.5Y 5/3), damp, hard, low plasticity, fine to coarse grained SAND, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 82.0 feet Loss of circulation	
SS 22	▲		17-27-30 24		132.1		<b>CLAY (CL)</b> - Light yellowish brown (2.5Y 6/4), damp, hard, medium plasticity, contains cemented shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 89.75 feet	
					129.3		<b>CLAY, with sand (CL)</b> - Greenish gray (GLE Y 1 5/5GY), damp, hard, medium plasticity, contains SAND seams, +HCL		
SS 23	▲		50/2" 3		122.1		<b>CLAY (CL)</b> - Greenish gray (6/5GY), damp, hard, low plasticity, contains cementation, +HCL	Installed 6" steel casing to a depth of 97.0 feet Water level depth at beginning of 2/20/07 = Ground surface	
SS 24	▲		13-23-24 20		105		SAA except greenish gray (GLE Y 1 5/10Y), contains shell fragments		
					112.1				
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4010

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4010
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 25	⊗	⊕ --- + □	▲ 16-50/5"	10	107.1	110		<b>*SILT, with sand (MH)</b> - Greenish gray (GLE Y1 6/5GY), damp, hard, very fine grained SAND, +HCL	
UD 1	■				17.5	115		<b>CLAY (CL)</b> Pocket Penetrometer: > 4.75 TSF	Pitcher
UD 2	■				18.5	120		SAA Pocket Penetrometer: > 4.75 TSF	Pitcher
SS 26	⊗		▲ 32-32-50/5"	18	92.1	125		SAA except greenish gray (GLE Y1 6/10Y), damp, hard, low to medium plasticity	Water level depth at end of 2/20/07 = 22.0 feet Water level depth at beginning of 2/21/07 = 22.0 feet
SS 27	⊗		▲ 36-50/5"	12		130		<b>*CLAY (CH)</b> - Greenish gray (GLE Y1 5/5GY), damp, hard, contains cemented fragments +HCL	End logging by S. Woodham. Begin logging by D. Brooks.
UD 3	■				19	135		SAA	Pitcher
SS 28	⊗	▲	22-24-26	22		140		SAA	Water level depth at end of 2/21/07 = Ground surface
SS 29	⊗	⊕ --- + □	10-11-23	21		145		SAA except greenish gray (GLE Y1 6/10Y)	
SS 30	⊗	▲	19-33-40	20		150		SAA	
SS 31	⊗	▲	20-21-26	18		155		SAA except light greenish gray (GLE Y1 7/10Y)	
SS 32	⊗	▲	20-26-32	10	62.1	160		<b>SAND, with silt (SP-SM)</b> - Dark greenish gray (GLE Y1 4/10Y), damp, very dense, fine to medium grained, nonplastic, -HCL Boring terminated at 160 feet	Top of Still Branch Formation at a depth of 157.0 feet
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-4010</b>

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4011</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142773.1 E 621236.4</b>		BEGUN <b>1/25/2007</b>		COMPLETED <b>2/5/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>219.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							219.1				
SS 1	X	▲		4-3-8	18					<b>SAND, silty (SM)-</b> Red (2.5YR 4/6) and yellowish brown (10YR 5/6), dry, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		9-9-9	18					SAA except yellowish brown (10YR 5/6)	
SS 3	X	▲		3-4-5	15		5			SAA except damp, loose	
SS 4	X	▲		2-2-5	16					SAA except strong brown (7.5YR 5/6)	
SS 5	X	▲ □		8-12-16	18		10			SAA except yellowish brown (10YR 5/6) and red (2.5YR 4/6), medium dense	
SS 6	X	▲		10-10-13	16					<b>SAND, silty, clayey (SC-SM)-</b> Yellowish red (5YR 5/6), damp, medium dense, fine grained	
SS 7	X	▲		6-12-17	18		15			SAA except fine to medium grained	
SS 8	X	▲		5-7-9	18		20			SAA except yellow (10YR 7/6)	
SS 9	X	▲ □		5-6-9	16		25			SAA	
SS 10	X	▲		3-4-5	15		30			<b>CLAY, silty (CL-ML)-</b> Yellow (2.5Y 7/6), damp, stiff, low plasticity	
SS 11	X	▲		3-4-5	15		35			SAA	
SS 12	X	▲		5-7-11	18		40			<b>SAND, silty, clayey (SC-SM)-</b> Yellow (2.5Y 7/6), damp, medium dense, fine grained	
SS 13	X	▲		4-3-4	18		45			<b>CLAY, with sand (CL)-</b> Yellow (2.5Y 7/6), damp, medium stiff, low plasticity, fine grained SAND	
SS	X	▲		4-8-11	16		172.1			<b>*SAND, with silt (SP-SM)-</b> Yellow (2.5Y 7/6), damp, medium dense, fine grained, -HCL	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4011**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4011
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	⊗	▲	7-10-10	15		55		SAA	
SS 16	⊗	▲	11-18-15	14	158.1	60		SAA except dense	
SS 17	⊗	▲	4-7-8	24	152.1	65		CLAY, with sand (CL)- Pale yellow (5Y 8/4), damp, stiff, low plasticity, +HCL	
SS 18	⊗	▲	14-14-17	24	147.1	70		SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, dense, fine to medium grained, contains shell fragments, +HCL	Loss of circulation at a depth of 71.0 feet
SS 19	⊗	▲	9-12-18	18	142.1	75		SAND, silty (SM)- Pale yellow (5Y 7/3), damp, medium dense, fine to medium grained, -HCL	
SS 20	⊗		50/3"	3	136.1	80		CLAY (CL)- Olive brown (2.5Y 4/3), damp, hard, low plasticity, -HCL	
SS 21	⊗		28-50/5"	7	132.1	85		CLAY, sandy (CL)- Greenish gray (GLE Y1 5/5GY), dry, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 83.0 feet
SS 22	⊗	▲	24-25-30	24		90		*SILT, with sand (MH)- Greenish gray (GLE Y1 5/10GY), dry, hard, +HCL	
SS 23	⊗	○ + - ▲ + □	26-32-31	16		95		SAA	End logging by S. Woodham. Begin logging by A. Reimer.
SS 24	⊗		50/3"	3		100		SAA except contains cementation	
SS 25	⊗		21-50/4"	9		105		SAA except contains shell fragments up to 1/4" in diameter	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4011



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4011		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗	⊕	--	+	□	▲ 30-50/2.5"	10		110		SAA except damp		
SS 27	⊗					▲ 22-41-50/4"	16		115		SAA except dry to damp, no shell fragments		
SS 28	⊗					▲ 50/3"	3.5		120		SAA except dry		
SS 29	⊗	▲				17-17-31	21		125		SAA except dry to damp		
SS 30	⊗					▲ 50/5"	8		130		SAA		
SS 31	⊗		▲			25-29-31	23		135		SAA		
SS 32	⊗		▲			18-27-28	19		140		SAA except greenish gray (GLEY1 6/10Y), dry		
SS 33	⊗		▲			18-22-34	24		145		SAA		
SS 34	⊗			▲		19-30-40	18		150		SAND, silty, clayey (SC-SM)- Greenish black (GLEY1 3/10Y), damp, very dense, -HCL Boring terminated at 150 feet	Top of Still Branch Formation at a depth of 147.0 feet	
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4011	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4013(C)</b>	
LOGGED BY <b>G. Pillappa</b>				COORDINATES <b>N 1142842.7 E 621020.3</b>		BEGUN <b>2/15/2007</b>		COMPLETED <b>3/5/2007</b>			
DRILLER <b>Towe-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>165.0</b>	
GROUND EL. <b>222.2</b>				DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.2				
SS 1	▲			4-7-9	11					<b>SAND, silty (SM)</b> - Dark grayish brown (2.5Y 4/2), damp, medium dense, low plasticity, contains GRAVEL fragments	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲			4-4-3	13					SAA except yellowish red (5YR 5/6), loose, fine grained	
SS 3	▲			3-2-6	11					SAA except yellowish red (5YR 5/8)	
SS 4	▲ □			4-4-6	10			5		SAA except yellowish brown (10YR 5/6)	
SS 5	▲			2-2-2	8					SAA except strong brown (7.5YR 5/6)	
SS 6	▲			3-4-8	12		211.7	10		<b>CLAY, silty with sand (CL-ML)</b> - Red (10R 4/8), pinkish white (10R 8/2), and brownish yellow (10YR 6/6), damp, stiff, low plasticity, fine grained	
SS 7	▲			9-17-18	16		209.2	15		<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, dense, fine grained, low plasticity	
SS 8	▲			11-14-15	16					SAA except strong brown (7.5YR 5/8), medium dense	
SS 9	▲			14-20-16	16			20		SAA except yellowish red (5YR 5/8), contains CLAY seams	
SS 10	▲ □			6-9-19	18					SAA except red (2.5YR 4/8), fine to medium grained	
SS 11	▲			16-17-12	12			25		SAA except yellowish red (5YR 5/8)	
SS 12	▲			5-7-9	14					SAA	
SS 13	▲			5-6-6	14			30		SAA except brown (7.5YR 5/3)	
SS 14	▲			5-6-6	13.5					SAA except strong brown (7.5YR 5/6), fine grained, contains trace phosphate grains	
SS 15	▲			5-6-6	10.5			35		SAA except yellowish brown (10YR 5/8)	
SS 16	▲ □			4-4-5	18		186.2			<b>*CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/8), damp, stiff, fine grained, low plasticity	
SS 17	▲			2-4-4	18			40		SAA except brownish yellow (10YR 6/6), medium stiff, contains trace phosphate grains	
SS 18	▲			2-4-4	18					SAA	
SS 19	▲			3-4-5	18			45		SAA except stiff	
SS 20	▲			3-4-6	18		176.7			<b>SAND, clayey (SC)</b> - Very pale brown (10YR 7/6), damp, loose, fine to medium grained, low plasticity, contains CLAY seams and trace shell fragments and phosphate grains	
SS	▲			6-8-8	10.5					SAA except yellow (10YR 7/6), medium dense	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4013(C)**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4013(C)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
21	SS	▲	5-6-7	12.5				SAA	Loss of circulation at a depth of 85.0 feet  Top of Blue Bluff Marl at a depth of 88.5 feet Water level depth at end of 2/15/07 = 37.0 feet Installed 6" steel casing to a depth of 97.0 feet (Installed by Graves Drilling)  End drilling by Towe-MACTEC. Begin drilling by Banks-MACTEC using same drill. Pitcher Pitcher	
22	SS	▲	4-6-6	13				SAA		
23	SS	▲	4-6-10	17.5		55		SAA except pale yellow (2.5Y 7/3)		
24	SS	▲	7-9-11	11		60		SAA		
25	SS	▲	6-6-7	10		65		SAA except pale yellow (2.5Y 7/4), fine grained, contains trace phosphate grains, -HCL		
26	SS	▲	4-6-7	12		70		SAA except pale yellow (5Y 8/4)		
27	SS	▲	6-7-10	13		75		SAA		
28	SS	▲	7-6-3	14.5	151.7	80		SAA except olive yellow (2.5Y 6/6)		
29	SS	▲	2-3-3	18	146.7	85		CLAY, sandy (CL)- Yellow (2.5Y 8/6), damp, medium stiff, low plasticity, fine grained, contains SAND seams and trace shell fragments and phosphate grains, -HCL		
30	SS	▲	2-3-4	18		90		SAA except pale yellow (2.5Y 8/4)		
31	SS	▲	9-11-10	10		95		SAND, clayey (SC)- Brownish yellow (10YR 6/6), damp, medium dense, fine grained, low plasticity, contains trace phosphate grains, -HCL		
32	SS	▲	8-10-9	8		100		SAA except pale yellow (2.5Y 8/3)		
33	SS	▲	4-5-6	9		105		SAA except yellowish brown (10YR 5/6), contains light brownish gray (10YR 6/2) SAND seam		
34	SS	▲	5-2/12"	2	136.7			SAA except dark yellowish brown (10YR 4/6)		
35	SS	▲	5-5-7	18	133.7			*CLAY, silty (CL-ML)- Pale olive (5Y 6/4), dry to damp, stiff, low plasticity, contains trace shell fragments and phosphate grains, +HCL		
36	SS	▲	1-18-50/4"	18	128.2			*CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10GY), dry to damp, very hard, low plasticity, contains trace shell fragments and phosphate grains, +HCL		
37	SS									
UD 1				0	121.7			NO RECOVERY		
UD 2		○		28.5				CLAY, silty (CL-ML)- Dark greenish gray (GLE Y1 4/5GY), damp, hard, low plasticity, contains trace shell fragments and phosphate grains, +HCL		
SS 38			15-50/6"	16				Pocket Penetrometer: >4.5 TSF SAA except dark greenish gray (GLE Y1 4/10GY)		
					SITE Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-4013(C)	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4013(C)
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 39	×		▲ 2-18-50/2"	18	110		SAA except dark greenish gray (GLEY1 4/5GY)	Water level depth at end of 2/28/07 = Top of casing Pitcher Water level depth at beginning of 3/1/07 = 7.0 feet	
SS 40	×	▲	19-17-24	18			SAA except contains cementation		
SS 41	×		▲ 9-50/1"	11	115		SAA except greenish gray (GLEY1 5/5GY)		
SS 42	×		▲ 50/6"	9			SAA		
SS 43	×		▲ 15-50/3"	14	120		SAA		
SS 44	×		▲ 24-50/6"	17			SAA except no cementation		
SS 45	×		▲ 50/4"	7	125		SAA except greenish gray (GLEY1 5/10GY)		
SS 46	×	▲	16-15-37	18			SAA		
UD 3	■	○		22.5	130		SAA except greenish gray (GLEY1 5/5GY), contains cementation Pocket Penetrometer: >4.5 TSF		
SS 47	×		▲ 50/1"	3			SAA		
SS 48	×	▲	17-20-21	18	135		SAA	Water level depth at end of 3/1/07 = Top of casing Water level depth at beginning of 3/5/07 = 36.0 feet	
SS 49	×	▲	16-14-24	18			SAA except dry to damp, contains no cementation		
SS 50	×	▲	20-24-30	18	140		SAA		
SS 51	×		▲ 18-50/6"	13			SAA		
SS 52	×		▲ 50/5"	6	145		SAA except contains cemented SAND seams		
SS 53	×	▲	18-21-24	18			SAA		
SS 54	×	▲	7-9-28	18	150		SAA		
SS 55	×		▲ 24-50/3"	14			SAA		
SS 56	×	▲	14-21-23	18	155		SAA		
SS 57	×	▲	10-14-17	18			SAA		
SS 58	×		▲ 50/0"	0	64.2		NO RECOVERY	Top of Still Branch Formation at a depth of 160.0 feet	
SS 59	×		▲ 21-29-50/3"	18	62.2		SAND, silty (SM)- Very dark greenish gray (GLEY1 3/10GY), moist, very dense, medium grained, -HCL SAA except dense		
SS	×	▲	13-17-15	16					
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-4013(C)	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>4 OF 4</b>		HOLE NO. <b>B-4013(C)</b>	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % <div style="display: flex; justify-content: space-around; font-size: small;"> <span>20</span> <span>40</span> <span>60</span> <span>80</span> </div>	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>				NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
60	X				57.2	165	11	Boring terminated at 165.0 feet				

	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b> <b>Final Log</b>	HOLE NO. <b>B-4013(C)</b>
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4014</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1142832.0 E 620950.2</b>		BEGUN <b>1/17/2007</b>		COMPLETED <b>1/30/2007</b>			
DRILLER <b>Christian-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>158.6</b>	
GROUND EL. <b>220.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						220.7					
SS 1	X	▲	2-5-5	18		220.7			<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), damp, loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	2-8-10	14					SAA except strong brown (7.5YR 5/8), medium dense		
SS 3	X	▲	3-4-5	12					SAA except strong brown (7.5YR 4/6), loose		
SS 4	X	▲	2-3-4	14		214.7	5		<b>*SAND (SP)</b> - Strong brown (7.5YR 5/8), damp, loose, fine to medium grained		
SS 5	X	▲	1-3-4	8		210.2	10		SAA		
SS 6	X	□ ▲	8-15-22	15		207.7			<b>*SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, dense, fine to medium grained, low plasticity		
SS 7	X	▲	9-17-24	15		203.7	15		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/8), damp, dense, fine to medium grained, nonplastic		
SS 8	X	+ □ ▲ +	5-12-18	15		198.7	20		<b>*SAND, clayey (SC)</b> - Yellowish red (5YR 4/6), damp, dense, fine grained, low plasticity		
SS 9	X	▲	6-10-14	10		193.7	25		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense, medium grained, nonplastic		
SS 10	X	▲ □	3-6-6	13			30		<b>*SAND, silty, clayey (SC-SM)</b> - Yellowish brown (10YR 5/8), damp, medium dense, fine grained, low plasticity		
SS 11	X	▲	5-8-7	14		183.7	35		SAA except medium to coarse grained		
SS 12	X	▲ + □ +	2-4-7	15		178.7	40		<b>*SILT, sandy (MH)</b> - Brownish yellow (10YR 6/8), damp, stiff, fine grained, -HCL		
SS 13	X	▲	3-5-6	18		173.7	45		<b>SAND, with silty clay (SP-SC)</b> - Brownish yellow (10YR 6/8), damp, medium dense, very fine to fine grained, low plasticity		
SS	X	▲	4-5-6	14					<b>*SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), damp, medium dense, fine to		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4014**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4014
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								medium grained, low plasticity, -HCL	
SS 15	▲		3-4-9	16		55		SAA	
SS 16	▲		6-6-9	14		60		SAA	
SS 17	▲		7-8-10	15		65		SAA except yellow (10YR 7/8)	
SS 18	▲		3-5-7	16	154.2	70		SAND, with clay (SP-SC)- Yellow (2.5Y 8/6), damp, medium dense, fine to medium grained, contains shell hash, +HCL	
SS 19	▲		11-13-25	8	148.7	75		*SAND, with clay (SP-SC)- White (10Y 8/1), damp, dense, low plasticity, contains shell hash, +HCL	
SS 20	▲		50/3"	0	143.7	80		NO RECOVERY	Top of Utley Limestone at a depth of 77.0 feet
SS 21	▲		25-10-7	13	138.7	85		*SHELL HASH, silty, clayey with sand (GC-GM)- Very pale brown (10YR 8/3), wet, medium dense, +HCL	Installed casing to a depth of 90.0 feet
SS 22	▲		17-50/5"	8	133.5	90		*SILT (MH)- Greenish gray (GLE2 5/5BG), wet, hard, contains cemented fragments +HCL	Top of Blue Bluff Marl at a depth of 87.2 feet
SS 23	▲		35-32-35	18		95		SAA except damp	
SS 24	▲		18-50/3"	10		100		SAA	
SS 25	○ — + □		8-24-40	20		105		SAA	Water level depth at end of 1/18/07 = Ground surface
					113.7				Water level depth at beginning of 1/22/07 = 59.0 feet
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4014

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4014
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26			▲ 50/2" 0		110		NO RECOVERY	Water level depth at end of 1/22/07 = Ground surface	
SS 27		▲	24-40-34 21	108.7	115		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/10GY), damp, hard, low plasticity, +HCL		
SS 28		▲	9-15-36 22		120		SAA	Water level depth at beginning of 1/23/07 = 69.8 feet	
SS 29			▲ 36-50/2" 8		125		SAA		
SS 30			▲ 50/5" 10		130		SAA		
SS 31			▲ 9-18-50/5" 18		135		SAA except greenish gray (GLEY1 6/10Y)		
SS 32			▲ 3-35-50/2" 18	83.7	140		SILT (ML) - Greenish gray (GLEY1 6/10Y), damp, hard, nonplastic, +HCL		
SS 33		▲	19-21-25 18		145		SAA	Water level depth at end of 1/23/07 = Ground surface End logging by D. Brooks. Begin logging by M. Harvey.	
SS 34		▲	12-21-19 18		150		SAA except contains some shell hash		
SS 35		▲	13-20-22 18		155		SAA		
SS 36			▲ 50/1" 1	64.0 62.2			SAND (SP) - Bluish gray (GLEY2 5/10B), wet, very dense, -HCL Boring terminated at 158.58 feet	Top of Still Branch Formation at a depth of 156.75 feet	
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-4014	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4015</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142773.0 E 621115.2</b>				BEGUN <b>1/19/2007</b>		COMPLETED <b>1/24/2007</b>	
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>155.0</b>	
GROUND EL. <b>220.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
SS 1	X	▲	1-4-7	17	220.1			<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/6), damp, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0		
SS 2	X		8-12-11	16			SAA				
SS 3	X	□	8-10-10	18		5	SAA				
SS 4	X	▲	2-3-3	18			SAA except loose				
SS 5	X	▲	2-4-5	17		10	SAA except yellowish brown (10YR 5/6)				
SS 6	X	▲	4-6-8	18			SAA except red and yellow (2.5YR 4/8 and 10YR 7/6), medium dense				
SS 7	X	▲	6-10-12	22		15	SAA				
SS 8	X	▲	13-16-16	20	203.1	20	<b>SAND, with silt (SP-SM)-</b> Yellowish red (5YR 5/8), damp, dense, fine to medium grained				
SS 9	X	▲	7-9-10	12		25	SAA except light yellowish brown (10YR 6/4), medium dense				
SS 10	X	▲	6-8-8	18	193.1	30	<b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/6), damp, medium dense, fine to medium grained				
SS 11	X	▲	4-5-6	22	188.1	35	<b>CLAY, silty with sand (CL-ML)-</b> Brownish yellow (10YR 6/6), damp, stiff, low plasticity				
SS 12	X	▲	3-5-5	20		40	SAA				
SS 13	X	▲	4-4-7	21	178.1	45	<b>SILT, sandy (ML)-</b> Mostly brownish yellow (10YR 6/6), damp, stiff, low plasticity				
SS	X	▲	4-3-4	21	173.1		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (2.5Y 7/8), damp, loose, fine grained, low plasticity.				

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4015**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4015
SAMP. TYPE AND NO.	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
14				168.1		-HCL			
SS 15	▲	0-1-2	20	55		CLAY, sandy (CL)- Yellowish red (5YR 5/6), damp, soft, low plasticity, -HCL			
SS 16	□▲	4-5-8	16	60		*SAND, with silt (SP-SM)- Brownish yellow (10YR 6/6), damp, medium dense, fine grained, -HCL			
SS 17	▲	7-6-6	12	65		SAND, silty, clayey (SC-SM)- Red (2.5YR 5/6), damp, medium dense, fine grained, -HCL			
SS 18	▲	2-3-5	20	70		CLAY, silty (CL)- Yellow (2.5Y 7/6), damp, medium stiff, low plasticity, -HCL			
SS 19	▲	4-6-11	18	75		SAND, clayey (SC)- Dark grayish brown (2.5Y 4/2), damp, medium dense, fine grained, -HCL			
SS 20	▲	4-5-6	12	80		SAND (SP)- Pale yellow (2.5Y 8/3), damp, medium dense, fine to medium grained, -HCL			
SS 21	▲	1-3-8	24	85		CLAY, silty (CL-ML)- Light yellowish brown and brownish yellow (2.5Y 6/3 and 10YR 6/8), damp, stiff, low plasticity, -HCL			
SS 22	○ + ▲ - - □	26-25-32	24	90		*SILT (MH)- Greenish gray (GLEY1 5/5GY), dry, stiff, +HCL			
SS 23	▲	18-50/4"	24	95		SAA except damp, hard			
SS 24	▲	13-14-21	24	100		SAA except contains cemented layers			
SS 25	▲	14-16-19	24	105		*CLAY, with sand (CH)- Greenish gray (GLEY1 5/5GY), dry, hard, +HCL			
				113.1					
SITE				Vogtle Units 3 & 4 COL Project				HOLE NO.	
				Final Log				B-4015	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4015				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗					▲	36-50/4"	18		110		*CLAY (CL)- Greenish gray (GLEY 1 6/5GY), damp, hard, low plasticity, very fine grained sand, some cemented areas, +HCL	Water level depth at end of 1/23/07 = 5 feet  Water level depth at beginning of 1/24/07 = 71 feet	
SS 27	⊗					▲	16-20-40	24		115		SAA except contains shell fragments		
SS 28	⊗					▲	8-20-50/5"	21		120		SAA		
SS 29	⊗					▲	16-20-16	24		125		SAA except greenish gray (GLEY 1 6/10Y), some cemented areas		
SS 30	⊗					▲	21-46-50/3"	19		130		SAA		
SS 31	⊗					▲	48-50/5.5"	16		135		SAA		
SS 32	⊗	⊕	—	▲	□		11-15-28	21	83.1	140		CLAY, with sand (CL)- Light greenish gray (GLEY 1 7/5GY), damp, hard, low plasticity, fine grained sand, +HCL		
SS 33	⊗					▲	8-18-28	24		145		SAA		
SS 34	⊗					▲	11-14-21	24		150		SAA except contains shell fragments		
SS 35	⊗					▲	28-26-31	18		155		SAND, with silt (SP-SM)- Very dark greenish gray (GLEY 1 3/10Y), moist, very dense, fine grained, contains lean clay laminations, -HCL Boring terminated at 155 feet		
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4015	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4016</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1142996.4 E 621112.9</b>		BEGUN <b>1/3/2007</b>		COMPLETED <b>1/4/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>149.6</b>	
GROUND EL. <b>221.2</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							221.2				
SS 1	X	▲		10-10-9	18		219.7			<b>GRAVEL, silty (GM)</b> - Dark bluish gray (LEY2 4/10B), dry, medium dense	Top of Fill at a depth of 0.0 feet
SS 2	X	▲		11-8-8	17					<b>SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/8), dry, medium dense, very fine grained, nonplastic	Top of Barnwell Group at a depth of 1.5 feet
SS 3	X	▲		3-4-4	8			5		SAA except strong brown (7.5YR 5/8), moist, loose	
SS 4	X	▲		2-2-2	14		213.2			SAA except yellowish red (5YR 5/6)	
SS 5	X	▲		2-1-3	0		210.7	10		<b>NO RECOVERY</b>	
SS 6	X	▲		7-9-11	16					<b>SAND, with silt (SP-SM)</b> - Strong brown (7.5YR 5/8), moist, medium dense, very fine grained, nonplastic	
SS 7	X	▲		6-10-13	15			15		SAA except fine grained	
SS 8	X	▲		9-11-10	10			20		SAA except reddish yellow (7.5YR 6/8)	
SS 9	X	▲		6-6-8	13		194.2	25		SAA except yellowish red (5YR 5/8)	
SS 10	X	▲		6-11-14	14		192.2	30		<b>CLAY (CL)</b> - Brownish yellow (10YR 6/8), moist, medium stiff, medium plasticity	
							189.2			<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/6), wet, medium grained, nonplastic	
SS 11	X	▲		6-5-4	3		184.2	35		<b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/8), moist, stiff, medium plasticity, fine grained SAND	
SS 12	X	▲		3-3-3			179.2	40		<b>CLAY (CL)</b> - Yellow (10YR 7/6), moist, medium stiff, medium plasticity	
SS 13	X	▲		WOH/6"-1-3	24			45		<b>SILT (ML)</b> - Yellow (10YR 7/6), moist, medium stiff, medium plasticity	
SS	X	▲		3-3-4	20					SAA except brownish yellow (10YR 6/6), wet	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4016**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4016
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					169.2				
SS 15	▲		4-5-7	15		55		<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6), wet, medium dense, fine grained, nonplastic, -HCL	
SS 16	▲		1-3-3	24		60		SAA except strong brown (7.5YR 5/6), loose, contains shell fragments	
SS 17	▲		6-11-12	20		65		SAA except yellow (10YR 7/6), medium dense, very fine grained	
SS 18	▲		8-8-10	16		70		SAA except yellow (10YR 7/8), fine grained	
SS 19	▲		6-7-14	24		75		SAA except red (2.5YR 4/8)	
SS 20	▲		14-14-16	13		80		SAA except reddish yellow (7.5YR 7/8), medium to coarse grained	
SS 21	▲		12-14-50/1"	13		85		SAA except brownish yellow (10YR 6/8), very dense, contains 1" thick CLAY lens	
SS 22	▲		7-27-50/1"	24		90		<b>*SILT, with sand (MH)-</b> Dark greenish gray (GLE Y1 4/10GY), wet, hard, +HCL	Top of Blue Bluff Marl at a depth of 86.5 feet
SS 23	▲		10-20-26	24		95		SAA except greenish gray (GLE Y1 5/10GY)	
SS 24	▲ ⊕	⊕	14-16-21	24		100		SAA	Water level depth at end of 1/3/07 = Top of casing
SS 25	▲		20-21-22	7		105		<b>CLAY, silty with sand (CL-ML)-</b> Greenish gray (GLE Y1 5/5GY), wet, hard, low plasticity, very fine grained SAND, +HCL	Water level depth at beginning of 1/4/07 = 47.0 feet
					SITE	Vogle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4016

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4016			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26						▲ 50/5"	14		110		SAA except light greenish gray (GLEY1 7/5GY)		
SS 27						▲ 12-50/3"	16		109.2		SILT (ML)- Greenish gray (GLEY1 6/10GY), wet, hard, +HCL		
SS 28				▲		15-19-33	24		104.2		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), wet, hard, high plasticity, contains trace shell fragments, +HCL		
SS 29						▲ 50/4"	4		120		SAA except light greenish gray (GLEY1 7/5GY), medium plasticity		
SS 30				▲		14-20-27	24		125		SAA except greenish gray (GLEY1 6/10GY), high plasticity		
SS 31						▲ 12-33-50/1"	7		130		SAA except light greenish gray (GLEY1 7/10Y)		
SS 32				▲		15-15-30	24		135		SAA except greenish gray (GLEY1 6/10Y), medium plasticity		
SS 33				▲		20-23-21	16		140		SAA except greenish gray (GLEY1 5/10Y), high plasticity		
SS 34						▲ 25-20-50/1"	24		145		SAA except light greenish gray (GLEY1 7/10Y) Boring terminated at 149.58 feet		
								SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4016

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-4017</b>						
LOGGED BY <b>B. Sharp</b>			COORDINATES <b>N 1143034.8 E 620949.9</b>			BEGUN <b>2/15/2007</b>		COMPLETED <b>3/8/2007</b>						
DRILLER <b>Oglesby-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>10 Inches</b>	HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>150.0</b>						
GROUND EL. <b>220.9</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>											
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80	1st 6"	2nd 6"							3rd 6"
									220.9					
SS 1	X	▲				1-8-10		11	220.4			<b>CONCRETE</b>	Top of Concrete at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet Begin drilling with a 3 7/8" drill bit	
SS 2	X	▲				10-12-12		11				<b>SAND (SP)</b> - Strong brown (7.5YR 5/8) and reddish yellow (7.5YR 7/6), moist, medium dense, fine grained		
SS 3	X	▲				3-6-8		12	216.9			SAA except light brown (7.5YR 6/4) SAA except reddish yellow (7.5YR 6/8)		
SS 4	X	□▲				7-15-17		17	212.9	5		<b>SAND, clayey (SC)</b> - Mottled yellowish red (5YR 5/8) and strong brown (7.5YR 5/8), moist, medium dense, fine grained SAA except dense		
SS 5	X	▲				11-16-18		15.5	210.4	10		<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), moist, dense, fine grained		
SS 6	X	□▲				11-15-20		11				<b>SAND, clayey (SC)</b> - Mottled yellowish red (5YR 5/8) and brownish yellow (10YR 6/8), moist, dense, fine to medium grained SAA except medium to coarse grained		
SS 7	X	▲				15-12-19		14	203.9	15				
SS 8	X	▲				8-11-12		12	198.9	20		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), moist, medium dense, medium grained, contains black manganese staining		
SS 9	X	▲				5-7-8		15	193.9	25		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/8), moist, medium dense, medium to coarse grained, contains CLAY lenses and trace black manganese staining		
SS 10	X	▲				4-7-8		18		30		<b>SILT, with sand (ML)</b> - Pale yellow (2.5Y 7/4), moist, stiff to very stiff, low plasticity, very fine to fine grained SAND, contains SAND lenses and trace black manganese staining		
SS 11	X	▲				3-4-5		18		35		SAA except stiff, contains no manganese staining		
SS 12	X	▲				4-6-10		18	178.9	40		SAA except very stiff, fine to medium grained SAND, contains shell fragments and abundant black manganese staining		
SS 13	X	▲				8-8-9		12	173.9	45		<b>SAND, silty (SM)</b> - Yellow (2.5Y 7/6), moist, medium dense, medium grained, contains shell fragments, -HCL		
SS	X	▲				5-6-11		18				<b>SILT, sandy (ML)</b> - Pale yellow (5Y 7/4), moist, very stiff, nonplastic to low plasticity.		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4017**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4017	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								fine grained SAND, -HCL	
SS 15	□▲		8-9-9	12		55		SAA except mottled pale yellow (5Y 7/4) and pinkish gray (5YR 7/2), fine to medium grained SAND, contains trace shell fragments	Water level depth at end of 2/15/07= 6.0 feet
					163.9				
SS 16	▲		9-12-12	15		60		SAND, silty (SM)- Pinkish gray (7.5YR 7/2), moist to wet, medium dense, fine grained	Water level depth at beginning of 2/16/07= 35.0 feet
SS 17	▲		4-3-2	9	156.7	65		SAA except loose, medium grained	
					154.9			SILT, with sand (ML)- Pale yellow (5Y 8/3), wet, medium stiff, nonplastic, fine to medium grained SAND, contains some shell fragments, +HCL	Top of Utley Limestone at a depth of 66.0 feet
SS 18			50/3.5"	3		70		SAND, silty (SM)- Pinkish white (5YR 8/2), wet, very dense, very coarse grained, contains abundant cemented shell hash, +HCL	Loss of circulation at a depth of 66.0 feet
SS 19	▲		12-14-20	18		75		SAA except very pale brown (10YR 8/2), dense, fine to medium grained, contains shell fragments	
SS 20			15-50/4"	10		80		SAA except pale yellow (2.5Y 7/4), very dense, fine grained	
SS 21			50/1"	0.5		85		SAA except mostly cemented shell fragments and shell hash	
					133.9				
SS 22	▲		50/6"-26-32	18		90		CLAY, silty (CL-ML)- Pale olive (5Y 6/3), moist, hard, nonplastic to low plasticity, contains cemented shell fragments, +HCL *CLAY, with sand (CL)- Dark greenish gray (GLEYS 4/10Y), moist to damp, hard, nonplastic to low plasticity, contains trace shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 89.0 feet Water level depth at end of 2/16/07= 35.0 feet
UD 1		○		16.5		95		SAA Pocket Penetrometer: >4.75 TSF	Reamed hole to a depth of 90.0 feet using a 9 7/8" drill bit. Installed 6" steel casing to a depth of 95.0 feet. Resumed drilling with a 5 7/8" drill bit.
SS 23	▲		10-14-21	18		100		SAA except damp	Pitcher Water level depth at end of 3/6/07= 4.0 feet
SS 24	▲		16-26-50/3"	15		105		SAA	Water level depth at beginning of 3/7/07= 6.5 feet
					SITE	Vogle Units 3 & 4 COL Project Final Log			HOLE NO. B-4017



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4017
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 25			▲ 50/3"	1	110		SAA except greenish gray (GLEYS 5/10Y), dry to damp, contains abundant cementation		
UD 2				1.5	115		SAA Pocket Penetrometer: >4.75 TSF	Pitcher	
UD 3		○		13.25			SAA Pocket Penetrometer: >4.75 TSF	Pitcher	
SS 26			▲ 22-35-50/6"	18	120		SAA	Changed to a 3 7/8" drill bit	
SS 27			▲ WOH/6"-50/1"	57.5	125		SAA		
SS 28			▲ 9-28-50/1"	13	130		SAA except no shell fragments and some cementation		
SS 29			▲ 50/4"	4	135		SAA except abundant cementation		
SS 30		+ ○ +	13-14-48	18	140		SAA except greenish gray (GLEYS 6/10Y)	Water level depth at end of 3/7/07= 6.5 feet	
SS 31		▲	WOH/12"-21"	18	145		SAA except no cementation	Water level depth at beginning of 3/8/07= 10.0 feet	
SS 32		▲	12-12-21	18	150		SAA except some cementation		
				70.9	150		Boring terminated at 150 feet		
				SITE Vogtle Units 3 & 4 COL Project				HOLE NO.	
				Final Log				B-4017	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4018</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1142735.5 E 621315.5</b>		BEGUN <b>2/26/2007</b>		COMPLETED <b>2/28/2007</b>			
DRILLER <b>Bilbrey-Miller Drilling</b>				DRILL MAKE AND MODEL <b>CME-85</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>270256</b>		TOTAL DEPTH <b>160.0</b>	
GROUND EL. <b>220.3</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %  20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						220.3					
SS 1	X	▲	6-7-10	18		218.8			<b>SAND, with silt and gravel (SP-SM)-</b> Brown (10YR 5/3), damp, medium dense, very fine grained, nonplastic	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet	
SS 2	X		10-12-12	13				<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 5/6), damp, medium dense, very fine grained, nonplastic			
SS 3	X	▲	2-2-3	16			5	SAA except loose			
SS 4	X	▲	2-2-4	17				SAA			
SS 5	X	▲	3-3-4	16			10	SAA			
SS 6	X	▲	3-5-7	18		209.8		<b>CLAY, with sand (CL)-</b> Reddish yellow (7.5YR 6/8), damp, stiff, low plasticity, low toughness, very fine grained			
SS 7	X	▲	4-5-8	19		207.3		<b>SAND, with clay (SP-SC)-</b> Red (2.5YR 4/8), damp, medium dense, very fine grained, nonplastic			
SS 8	X	▲	4-8-7	18			15	SAA except red (2.5YR 5/8)			
SS 9	X	▲	6-7-8	18			20	SAA except reddish yellow (7.5YR 6/8), medium grained			
SS 10	X	▲	6-8-9	17			25	SAA except reddish yellow (7.5YR 6/6), fine grained			
SS 11	X	▲	2-3-5	19		188.3		<b>SILT (ML)-</b> Brownish yellow (10YR 6/8), damp, stiff, low plasticity, low toughness			
SS 12	X	▲	1-3-5	18			35	SAA except yellow (10YR 7/6)			
SS 13	X	▲	2-5-7	17		178.3		<b>SAND, with clay (SP-SC)-</b> Brownish yellow (10YR 6/6), moist, medium dense, fine to medium grained, nonplastic			
SS	X	▲	1-3-4	10			45	SAA except yellow (2.5Y 7/6), loose, very fine grained			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4018**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4018
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14									
SS 15	▲		5-6-11	18	55		SAA except pale yellow (2.5Y 7/4), medium dense, fine grained, contains iron staining		
SS 16	▲		5-11-15	17	60		SAND, with silt (SP-SM)- Pale yellow (2.5Y 7/4), damp, medium dense, fine grained, nonplastic		
SS 17	▲		6-9-11	18	65		SAND, with clay (SP-SC)- Pale yellow (2.5Y 7/4), moist, medium dense, fine grained, subrounded to subangular, nonplastic, contains iron staining		
SS 18	▲		5-8-12	18	70		SAA		
SS 19	▲		5-7-12	17	75		SAND, with silt (SP-SM)- Pale yellow (5Y 8/3), wet, medium dense, very fine grained, nonplastic	Water level depth at end of 2/26/07 = Ground surface	
SS 20	▲		7-10-13	18	80		SAA except pale yellow (2.5Y 8/4)	Water level depth at beginning of 2/27/07 = 61.0 feet	
SS 21	▲		50/5"	7	85		*SHELL HASH, with clay (GP-GC)- Pale yellow (2.5Y 8/2), wet, very dense, angular, +HCL	Top of Utley Limestone at a depth of 82.0 feet	
SS 22	▲		8-12-30	20	90		CLAY (CL)- Pale yellow (5Y 7/4) to greenish gray (GLE Y1 5/10GY), moist, hard, low plasticity, low toughness, +HCL	Top of Blue Bluff Marl at a depth of 86.5 feet	
UD 1	○			27	95		SAA except greenish gray (GLE Y1 5/10GY) Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
UD 2	○			7	100		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
UD 3	○			20	105		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
				SITE	Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4018

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4018			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 23	⊗	▲				10-13-18	20			110		SAA except greenish gray (GLE Y1 5/5GY)		
SS 24	⊗					▲ 1-16-50/3"	16			115		SAA		
SS 25	⊗		▲			20-21-33	19			120		SAA		
SS 26	⊗		▲			37-27-20	6			125		SAA except contains trace cemented shell fragments		
UD 4	■	○ +			□		10			130		SAA except greenish gray (GLE Y1 6/5GY), contains abundant cemented shell fragments Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Water level depth at end of 2/27/07 = Ground surface  Water level depth at beginning of 2/28/07 = Ground surface Pitcher	
SS 27	⊗		▲			9-20-22	19			135		SAA except greenish gray (GLE Y1 5/5GY), no cemented shell fragments		
UD 5	■	○					21			140		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Pitcher	
SS 28	⊗		▲			11-21-21	21			145		SAA except greenish gray (GLE Y1 6/5GY), no shell fragments		
SS 29	⊗		▲			16-16-15	20			150		SAA except light olive gray (5Y 6/2), contains trace cemented shell fragments		
SS 30	⊗		▲			17-20-15	19			155		SAA except no shell fragments		
SS 31	⊗		▲			10-19-34	19			60.3		SAND, with clay (SP-SC)- Olive gray (5Y 4/2), moist, very dense, very fine grained, nonplastic, -HCL Boring terminated at 160 feet	Top of Still Branch Formation at a depth of 155.5 feet  Water level depth at end of 2/28/07 = Ground surface	
SITE									Vogtle Units 3 & 4 COL Project Final Log					HOLE NO. B-4018

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4019</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1142975.9 E 621371.4</b>		BEGUN <b>2/22/2007</b>		COMPLETED <b>3/16/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>160.0</b>	
GROUND EL. <b>221.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						221.8					
SS 1	X	▲	2-4-6	15					<b>SAND, with silt (SP-SM)-</b> Brown (7.5YR 4/4), damp, loose to medium dense, fine grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	6-7-8	13					SAA except reddish yellow (7.5YR 6/8), medium dense		
SS 3	X	▲	3-3-4	14		216.3	5		SAA except reddish yellow (7.5YR 6/6), loose, fine to medium grained		
SS 4	X	▲	3-6-7	13					<b>SAND, with clay (SP-SC)-</b> Reddish yellow (7.5YR 6/8), damp, medium dense, fine grained, low plasticity		
SS 5	X	▲	8-9-11	15			10		SAA		
SS 6	X	▲	11-11-15	16		208.8			SAA except red (2.5YR 5/8)		
SS 7	X	▲	11-13-14	17		204.8	15		<b>CLAY, silty, sandy (CL-ML)-</b> Yellowish red (5YR 5/8), damp, medium dense, low plasticity, fine to medium grained SAND		
SS 8	X	▲	10-13-20	14		199.8	20		<b>CLAY, with sand (CL)-</b> Reddish yellow (7.5YR 6/8), damp, hard, medium plasticity, medium grained SAND		
SS 9	X	▲	5-4-6	16		194.8	25		<b>SAND, with clay (SP-SC)-</b> Reddish yellow (7.5YR 6/8), damp, loose to medium dense, medium grained, low plasticity		
SS 10	X	▲	4-6-8	14		189.8	30		<b>SAND, with silty clay (SP-SC)-</b> Yellow (10YR 7/6), damp, medium dense, fine grained, low plasticity	Loss of circulation at a depth of 31.0 feet	
SS 11	X	▲	4-6-8	13		184.8	35		<b>CLAY, silty (CL-ML)-</b> Brownish yellow (10YR 6/6), damp, stiff, medium plasticity		
SS 12	X	▲	4-7-7	16			40		<b>SAND, silty, clayey (SC-SM)-</b> Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained, low plasticity, -HCL		
SS 13	X	▲	3-4-4	17			45		SAA except brownish yellow (10YR 6/8), fine grained		
SS	X	▲	3-3-3	14					SAA except yellow (10YR 7/8), damp, loose, medium grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4019**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4019
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						169.8			
SS 15	▲		5-5-6	12		55		<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/8), moist, medium dense, medium grained, nonplastic, -HCL	
SS 16	▲		11-10-13	11		60		SAA	
SS 17	▲		10-7-9	0		65		<b>NO RECOVERY</b>	
SS 18	▲		3-3-4	18		70		<b>CLAY, silty (CL-ML)-</b> Pale yellow (2.5Y 8/2), damp, medium stiff, low plasticity, +HCL	Loss of circulation at a depth of 67.0 feet
SS 19	▲		8-11-28	8		75		<b>*CLAY, silty, sandy (CL-ML)-</b> Pale yellow (2.5Y 8/2), moist, hard, low plasticity, medium grained SAND, contains shell hash, +HCL	Water level depth at end of 2/22/07 = Ground surface
SS 20	▲		50/1"	0		80		<b>NO RECOVERY</b>	Top of Utley Limestone at a depth of 77.0 feet
SS 21	▲		50/4"	5		85		<b>*SHELL HASH, silty, clayey with sand (GC-GM)-</b> Pale yellow (2.5Y 7/2), moist, very dense, low plasticity, +HCL	
SS 22	▲		30-50/5"	12		90		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLEW 5/5GY), damp, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
SS 23	▲		4-12-21	14		95		<b>CLAY (CL)-</b> Greenish gray (GLEW 6/10Y), damp, hard, low plasticity, +HCL	Water level depth at beginning of 3/15/07 = 41.0 feet End logging by D. Brooks. Begin logging by L. Davis. Installed 6" steel casing to a depth of 93.0 feet
SS 24	▲		9-12-18	24		100		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLEW 6/5GY), damp, hard, low plasticity, contains minor shell hash, +HCL	
SS 25	▲		11-17-45	25		105		SAA except grayish green (GLEW 2 5/5G)	
						114.8			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4019

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4019
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	X		▲ 50/4"	6		110		<b>CLAY (CL)</b> - Pale green (GLE Y1 6/5G), moist, hard, nonplastic to medium plasticity, contains minor compacted shell hash, +HCL	
UD 1				8		109.8			
UD 1A						115		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 6/10Y), damp, low plasticity, +HCL Pocket Penetrometer: >4.5 TSF SAA	Pitcher
SS 27	X	▲	11-23-43	24		120		SAA except greenish gray (GLE Y1 6/5GY), hard contains minor shell hash and organics	Pitcher
SS 28	X	▲	12-20-28	19		99.8			
SS 29	X	▲	10-12-23	23		125		<b>CLAY (CL)</b> - Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, contains minor compacted shell hash, +HCL	
UD 2				2		130		SAA except contains no shell hash	
UD 2A				24		135		SAA except light greenish gray (GLE Y1 7/10Y), contains compacted zones Pocket Penetrometer: >4.5 TSF SAA except moist Pocket Penetrometer: >4.5 TSF	Pitcher
SS 30	X	▲	13-21-34	24		83.8		<b>SILT (ML)</b> - Light greenish gray (7/5 GY), damp, hard, low plasticity, +HCL	Pitcher
SS 31	X	▲	15-15-30	22		79.8			
SS 32	X	▲	13-44-50/5"	22		145		<b>CLAY (CL)</b> - Light greenish gray (GLE Y1 7/10Y), damp, hard, low plasticity, +HCL	
SS 33	X	▲	11-13-19	26		150		SAA except medium plasticity	
SS 34	X	▲	21-33-34	19		155		SAA except low plasticity, contains shell hash	
						64.8			
						61.8		<b>SAND, silty (SM)</b> - Dark greenish gray (GLE Y1 4/10Y), moist, very dense, nonplastic, -HCL Boring terminated at 160 feet	Top of Still Branch Formation at a depth of 157.0 feet Water level depth at end of 3/15/07 = Top of casing
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4019



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-4020</b>
LOGGED BY <b>R. Clark</b>		COORDINATES <b>N 1142969.4 E 621280.0</b>			BEGUN <b>2/14/2007</b>		COMPLETED <b>2/15/2007</b>	
DRILLER <b>Skogland-MACTEC</b>		DRILL MAKE AND MODEL <b>Dietrich D-50</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>100</b>		TOTAL DEPTH <b>89.4</b>
GROUND EL. <b>222.8</b>		DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>				

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.8				
SS 1	X	▲					221.8			<b>SAND, with silt and gravel (SP-SM)</b> - Dark reddish gray (2.5YR 4/1) and red (2.5YR 4/8), damp, medium dense, nonplastic, angular	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet
SS 2	X	▲								<b>GRAVEL</b>	
SS 3	X	▲					217.3	5		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), damp, dense, fine grained, nonplastic	
SS 4	X	▲								SAA except dense	
SS 5	X	▲					212.3	10		SAA except yellow (10YR 7/6), medium dense, very fine grained	
SS 6	X	▲								<b>CLAY, with sand (CL)</b> - Red (2.5YR 5/6), damp, very stiff, low plasticity, very fine	
SS 7	X	▲								SAND, contains organics	
										SAA except red (2.5YR 4/8), moist, coarse grained	
SS 8	X	▲						15		<b>SAND, with clay (SP-SC)</b> - Red (2.5YR 4/8), moist, medium dense, very fine grained, nonplastic	
SS 9	X	▲						20		SAA	
								25		SAA except yellow (2.5Y 7/6)	
SS 10	X	▲					195.8	30		<b>CLAY (CL)</b> - Yellow (2.5Y 7/6), moist, stiff, low plasticity, low toughness, -HCL	
SS 11	X	▲						35		SAA	
							185.8	40		<b>SILT (ML)</b> - Yellow (2.5Y 7/6), moist, stiff, low plasticity, low toughness	
SS 12	X	▲						45		SAA except medium stiff	
SS 13	X	▲								<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/6), moist, medium dense, fine grained.	

PREPARED BY: A. TAYLOR		SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>		HOLE NO. <b>B-4020</b>	
REVIEWED BY: P. DEPREE		<b>Final Log</b>			



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-4020		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14											nonplastic		
SS 15	⊗	▲				6-7-8	15		55		SAA except light red (2.5YR 6/6), wet	Water level depth at end of 2/14/07 = Ground surface	
SS 16	⊗	▲				8-5-5	18	163.4	60		SAA except yellow (10YR 7/6), moist <b>CLAY, with sand (CL)</b> - Pale yellow (5Y 8/4), moist, stiff, low plasticity, -HCL	Water level depth at beginning of 2/15/07 = Borehole dry	
SS 17	⊗		▲			13-17-12	19	160.8	65		<b>CLAY (CL)</b> - Yellow (2.5Y 8/6), moist, very stiff, low plasticity, contains abundant shell hash, +HCL		
SS 18	⊗		▲			16-16-22	18	155.8	70		<b>CLAY, with sand (CL)</b> - Pale yellow (2.5Y 8/3), moist, hard, low plasticity, contains shell hash, +HCL		
SS 19	⊗				▲	50/4"	0	150.8	75		NO RECOVERY	Top of Utley Limestone at a depth of 72.0 feet	
SS 20	⊗				▲	26-50/5.5"	8	145.8	80		* <b>CLAY (CL)</b> - Pale yellow (2.5Y 8/3), moist, hard, low plasticity, contains shell fragments, +HCL	Loss of circulation at a depth of 81.0 feet	
SS 21	⊗				▲	26-50/1"	4	135.8	85		SAA		
SS 22	⊗				▲	26-50/5"	11	133.4			* <b>CLAY, with shell fragments (CL)</b> - Very dark greenish gray (GLEY1 3/5GY), moist, hard, low plasticity, +HCL Boring terminated at 89.42 feet	Top of Blue Bluff Marl at a depth of 87.0 feet	
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4020	



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 1 OF 4		HOLE NO. B-4020A		
LOGGED BY G. Pillappa				COORDINATES N 1142973.7 E 621280.3				BEGUN 2/16/2007		COMPLETED 2/20/2007		
DRILLER Towe-MACTEC				DRILL MAKE AND MODEL CME-550		HOLE DIAMETER 3 Inches		HAMMER SERIAL NUMBER 337153		TOTAL DEPTH 165.0		
GROUND EL. 222.6				DEPTH/EL. GROUND WATER ▽ / ▽		SITE: Vogtle Electric Generating Plant - Waynesboro, GA						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT)				1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		○ WATER CONTENT %										
		+ ATT. LIMITS %										
		□ FINES %										
		20 40 60 80						222.6				
											SEE B-4020 FOR LITHOLOGY TO 90.0 FEET	
									5			
									10			
									15			
									20			
									25			
									30			
									35			
									40			
									45			

PREPARED BY: A. TAYLOR				SITE Vogtle Units 3 & 4 COL Project				HOLE NO. B-4020A			
REVIEWED BY: P. DEPREE				Final Log							

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4020A	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	⊗		▲ 9-18-50/3"	18		90		CLAY, silty (CL-ML)- Dark greenish gray (GLEY1 4/10GY), dry to damp, hard, low plasticity, contains trace phosphate grains and shell fragments, +HCL	Blue Bluff Marl
SS 2	⊗	▲	11-18-18	18		95		SAA	
SS 3	⊗	▲	21-17-33	18		105		SAA except greenish gray (GLEY1 5/10GY)	
					SITE	Vogle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4020A

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-4020A				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80									
SS 4						▲	50/2"	6		110		SAA except greenish gray (GLE Y1 5/5GY), dry	Water level depth at end of 2/16/07 = Top of casing  Water level depth at beginning of 2/19/07 = 52.0 feet          Water level depth at end of 2/19/07 = Top of casing  Water level depth at beginning of 2/20/07 = 54.0 feet	
SS 5						▲	50/4"	8		115		SAA		
SS 6				▲			13-19-30	18		120		SAA		
SS 7						▲	50/2"	3		125		SAA except contains abundant shell fragments and phosphate grains		
SS 8						▲	12-19-41	18		130		SAA except trace shell fragments		
SS 9						▲	50/4"	3.5		135		SAA		
SS 10		▲					8-11-13	18		140		SAA except greenish gray (GLE Y1 6/10Y), dry to damp, very stiff		
SS 11				▲			13-33-23	18		145		SAA except hard		
SS 12			▲				5-8-28	18		150		SAA		
SS 13		▲					5-7-13	18		155		SAA except greenish gray (GLE Y1 6/5GY)		
SS 14		▲					7-11-9	18		160		SAA except contains abundant shell fragments		
SS				▲			8-16-33	18		62.1		SAND, clayey (SC)- Very dark greenish gray		
									SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
										Final Log				B-4020A

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-4020A		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
15	X							57.6	165		(GLEY1 3/5G), dry to damp, dense, low plasticity, contains trace shell fragments and phosphate grains, -HCL Boring terminated at 165 feet	

								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>		HOLE NO. <b>B-4020A</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4021</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1143092.6 E 621247.4</b>		BEGUN <b>1/9/2007</b>		COMPLETED <b>1/11/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>200587</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>224.6</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							224.6				
SS 1	X	▲		4-6-11	15					<b>SAND, with silt (SP-SM)</b> - Reddish brown (5YR 4/4), damp, medium dense, fine grained, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X			1-12-19	12		221.3			SAA except yellowish red (5YR 5/8), dense, nonplastic	
SS 3	X	▲		7-10-9	13		219.1	5		<b>SAND (SP)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense, fine grained, nonplastic, -HCL	
SS 4	X	▲		8-11-19	16					<b>SAND, with silt (SP-SM)</b> - Reddish yellow (7.5YR 6/8), damp, dense, fine grained, low plasticity, -HCL	
SS 5	X	▲		6-9-13	16		214.1	10		SAA except red (2.5YR 4/8), medium dense	
SS 6	X	▲		7-19-18	15					<b>SAND (SP)</b> - Red (2.5YR 5/8), damp, dense, fine to medium grained, nonplastic, -HCL	
SS 7	X	▲		9-13-16	13		207.6	15		SAA except reddish yellow (7.5YR 6/8), medium dense, medium grained	
SS 8	X	▲		4-6-8	15			20		<b>SAND, with silt (SP-SM)</b> - Reddish yellow (5YR 6/8), damp, medium dense, fine to medium grained, nonplastic, -HCL	
SS 9	X	▲		3-7-10	13		197.6	25		SAA except reddish yellow (7.5YR 6/8), fine grained	
SS 10	X	▲		3-4-6	16		192.6	30		<b>SAND, with clay (SP-SC)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense, fine grained, low plasticity, -HCL	
SS 11	X	▲		3-4-5	19		187.6	35		<b>CLAY, with sand (CL)</b> - Brownish yellow (10YR 6/8), damp, stiff, low plasticity, fine grained SAND, -HCL	
SS 12	X	▲		3-4-7	17			40		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/8), damp, medium dense, fine grained, nonplastic, -HCL	
SS 13	X	▲		2-3-5	16			45		SAA except low plasticity	
SS	X	▲		3-6-8	14		177.6			<b>SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/8), damp, medium dense, fine grained,	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4021**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4021
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					172.6			low plasticity, -HCL	
SS 15	▲		3-6-7	13		55		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/4), damp, medium dense, fine to medium grained, low plasticity, -HCL	
SS 16	▲		4-6-9	12		60		<b>SAND (SP)</b> - Pale yellow (2.5Y 7/4), damp, medium dense, fine to medium grained, nonplastic, -HCL	
SS 17	▲		5-5-12	14		65		<b>SAND, with clay (SP-SC)</b> - White (2.5Y 8/1), damp, medium dense, medium grained, low plasticity, contains abundant shell fragments, +HCL	
SS 18	▲		26-28-43	14		70		SAA except very dense, fine grained	
SS 19			50/1"	0		75		<b>NO RECOVERY</b>	Top of Utley Limestone at a depth of 72.0 feet
SS 20	▲		2-3-14	15		80		<b>CLAY, sandy (CL)</b> - White (2.5Y 8/1), damp, very stiff, low plasticity, fine grained SAND, contains abundant shell fragments, +HCL	Loss of circulation at a depth of 80.0 feet
SS 21			9-1-50/2"	6		85		<b>SAND (SP)</b> - White (2.5Y 8/1), damp, very dense, nonplastic, contains abundant shell fragments, +HCL	Installed 3" steel casing to a depth of 85.0 feet.
SS 22			34-50/3"	20		90		<b>SILT (ML)</b> - Greenish gray (GLEYS 5/1), damp, hard, nonplastic, +HCL	Top of Blue Bluff Marl at a depth of 86.5 feet
SS 23	▲		8-15-21	22		95		SAA	Water level depth at beginning of 1/11/07 = 63.33 feet
SS 24	▲		12-19-30	23		100		SAA	
SS 25	▲		11-17-20	22		105		SAA	
					117.6				
SITE					Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-4021</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4021
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26			▲ 50/2"	0		110		NO RECOVERY	
SS 27		▲	10-21-26	22	112.6	115		SILT (ML) - Greenish gray (GLEY2 5/1), damp, hard, nonplastic, +HCL	
SS 28		▲	13-21-27	24		120		SAA	
SS 29			▲ 50/2"	0	102.6	125		NO RECOVERY	
SS 30			▲ 24-50/3"	14	97.6	130		SAA except low plasticity	
SS 31			▲ 24-50/5"	14		135		SAA	
SS 32		▲	15-34-36	22		140		SAA	
SS 33		▲	15-20-23	23		145		SAA	
SS 34		▲	14-14-21	22	77.6 74.6	150		CLAY, silty (CL-ML) - Greenish gray (GLEY2 5/1), damp, hard, low plasticity, +HCL Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4021



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4022</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1143081.3 E 621073.5</b>		BEGUN <b>1/7/2007</b>		COMPLETED <b>1/9/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>148.7</b>	
GROUND EL. <b>220.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20   40   60   80				220.7					
SS 1	▲		2-1-2	16					<b>SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), damp, very loose, fine grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		3-3-3	20					SAA except reddish yellow (7.5YR 6/8), loose		
SS 3	▲		2-4-7	17		215.2	5		SAA except medium dense, fine to medium grained		
SS 4	▲		14-17-19	12		212.7			<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp, dense, fine grained, nonplastic		
SS 5	▲		14-19-21	13		210.2	10		<b>SAND, with silt (SP-SM)</b> - Red (2.5YR 5/8), damp, dense, fine grained, nonplastic		
SS 6	▲		9-12-17	16					<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp, medium dense, fine grained, nonplastic		
SS 7	▲		9-15-14	10		203.7	15		SAA except red (2.5YR 5/8)		
SS 8	▲		6-7-9	12		198.7	20		<b>SAND, with silt (SP-SM)</b> - Brownish yellow (10YR 6/6), damp, medium dense, medium grained, nonplastic		
SS 9	▲		5-6-5	10		193.7	25		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/6), damp, medium dense, fine grained, nonplastic		
SS 10	▲		3-2-4	18		188.7	30		<b>CLAY, sandy (CL)</b> - Yellow (2.5Y 7/6), moist, medium stiff, low plasticity, fine grained SAND		
SS 11	▲		2-3-3	24			35		<b>CLAY, with sand (CH)</b> - Yellow (2.5Y 7/6), moist, medium stiff, high plasticity, fine grained SAND		
SS 12	▲		2-3-3	22		178.7	40		SAA except very pale brown (10YR 7/4), medium plasticity, -HCL		
SS 13	▲		3-4-5	15		173.7	45		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, loose, fine grained, medium plasticity		
SS	▲		5-6-5	13					<b>SAND, with silt (SP-SM)</b> - Pale brown (10YR 6/3), wet, medium dense, medium grained,		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4022**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4022
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						168.7		nonplastic, -HCL	
SS 15	▲		6-6-5	11		55		<b>SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/6), wet, medium dense, medium grained, nonplastic, -HCL	Loss of circulation at a depth of 56.0 feet
SS 16	▲		4-5-7	14		60		SAA except yellow (10YR 7/6), fine to medium grained, low plasticity	
SS 17	▲		5-5-4	13		65		SAA except loose, medium to coarse grained, nonplastic	
SS 18	▲		3-2-2	24		70		<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 7/4), wet, soft, medium plasticity, fine grained SAND, -HCL	Loss of circulation at a depth of 66.0 feet Water level depth at end of 1/7/07 = 25.0 feet Water level depth at beginning of 1/8/07 = Borehole dry Boring caved to 25.0 feet Installed casing to a depth of 38.0 feet
SS 19	▲		5-7-10	14		75		<b>SAND, with silt (SP-SM)</b> - Brown (7.5YR 5/4), wet, medium dense, fine to medium grained, -HCL	
SS 20	▲		3-4-3	14		80		<b>SAND (SP)</b> - Very pale brown, (10YR 7/4), wet, loose, fine to medium grained, -HCL	Casing advanced to a depth of 45.0 feet Casing advanced to a depth of 55.0 feet
SS 21			OH/12"-50/1"16			85		<b>CLAY, silty (CL-ML)</b> - Dark yellowish brown (10YR 3/4), wet, very soft, low plasticity, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 81.5 feet Water level depth at end of 1/8/07 = 48.0 feet
SS 22			21-26-32	24		90		<b>SILT (ML)</b> - Greenish gray (GLE Y1 6/5G), wet, hard, nonplastic, contains cementation, +HCL	Top of Blue Bluff Marl at a depth of 87.5 feet Water level depth at beginning of 1/9/07 = 52.0 feet
SS 23	▲		13-15-17	24		95		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 6/10GY), wet, hard, low plasticity, +HCL	
SS 24	▲		21-17-25	24		100		SAA except greenish gray (GLE Y1 5/5GY), medium plasticity, contains shell fragments	
SS 25	▲		14-16-19	24		105		SAA except greenish gray (GLE Y1 5/10Y)	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4022

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4022			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗					▲ 2-15-50/1"	18		110		SAA except high plasticity, contains no shell fragments		
SS 27	⊗			▲		25-26-30	24		115		SAA except low plasticity, contains trace shell fragments		
SS 28	⊗					▲ 39-50/1"	8		120		SAA except contains no shell fragments		
SS 29	⊗	▲				7-10-14	24		98.7		CLAY (CH)- Greenish gray (GEY1 6/10Y), wet, very stiff, high plasticity, +HCL		
SS 30	⊗					▲ 12-19-50/2"	15		130		SAA except hard, contains cementation		
SS 31	⊗					▲ 42-50/4"	14		88.7		CLAY, silty (CL-ML)- Light greenish gray (GEY1 7/10GY), wet, hard, low plasticity, +HCL		
SS 32	⊗		▲			10-12-22			140		SAA except greenish gray (GEY1 6/10Y), low to medium plasticity		
SS 33	⊗			▲		15-19-31	24		145		SAA except greenish gray (GEY1 5/10Y), medium to high plasticity		
SS 34	⊗					▲ 50/2"	2		72.1		SAA except light greenish gray (GEY1 7/5GY), medium plasticity Boring terminated at 148.66 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4022	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4023</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1143062.4 E 620879.8</b>		BEGUN <b>1/10/2007</b>		COMPLETED <b>1/12/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>220.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							220.7				
SS 1	X	▲		5-11-9	12		219.2			<b>GRAVEL, with sand (GP)-</b> Dark greenish gray (GLEY1 4/10Y), damp, medium dense, fine to medium grained SAND	Top of Fill at a depth of 0.0 feet
SS 2	X	▲		7-9-9	18						
SS 3	X	▲ □		9-10-9	10		215.2	5		<b>SAND, clayey (SC)-</b> Red (2.5YR 4/6), damp, medium dense, fine grained, low plasticity SAA except red (10R 4/6), nonplastic	
SS 4	X	▲		6-10-14	10		212.7			<b>GRAVEL (GP)-</b> Medium dense	
SS 5	X	▲		14-15-15	12		210.2	10		<b>SAND, with silt (SP-SM)-</b> Red (10R 4/8), damp, medium dense, fine grained	Top of Barnwell Group at a depth of 8.0 feet
SS 6	X	▲		6-8-9	4		207.7			<b>SAND, clayey (SC)-</b> Red (2.5YR 5/8), moist, medium dense, fine grained, nonplastic	
SS 7	X	▲		5-10-10	10		203.7	15		<b>SAND, with silt (SP-SM)-</b> Strong brown (7.5YR 5/6), moist, medium dense, fine grained, contains strong brown (7.5YR 5/6) CLAY lenses	
SS 8	X	▲		4-6-7	12			20		<b>*SAND, clayey (SC)-</b> Reddish yellow (7.5YR 7/8), moist, medium dense, fine grained, nonplastic	
SS 9	X	▲ □		4-7-7	8		193.7	25		SAA except brownish yellow (10YR 6/8)	
SS 10	X	▲		4-4-6	10		188.7	30		<b>CLAY, silty (CL-ML)-</b> Brownish yellow (10YR 6/8), moist, stiff, high plasticity	
SS 11	X	▲		4-6-6	12		184.7	35		<b>SAND, with clay (SP-SC)-</b> Brownish yellow (10YR 6/8), damp, medium dense, fine to medium grained, nonplastic, contains CLAY lenses	
SS 12	X	▲		10-11-12	12		178.7	40		<b>SILT (ML)-</b> Light greenish gray (GLEY1 7/1), moist, very stiff, nonplastic, contains shell hash, +HCL	
SS 13	X	▲		7-9-11			173.7	45		<b>SAND, with silty clay (SP-SC)-</b> Light greenish gray (GLEY1 7/10Y), wet, medium dense, fine grained, low to medium plasticity, contains trace shell fragments, +HCL	
SS	X	▲		11-14-18	14					<b>SILT, with sand (ML)-</b> Light greenish gray (GLEY1 8/10Y), wet, hard, nonplastic, contains	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4023**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4023
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						168.7		shell fragments, +HCL	Water level depth at end of 1/10/07 = Top of casing	
SS 15	⊗	▲	10-12-14	15		55		<b>SAND, with silt (SP-SM)</b> - Pale yellow (5Y 8/4), wet, medium dense, contains shell fragments, +HCL	Water level depth at beginning of 1/11/07 = 46.0 feet	
SS 16	⊗	▲	10-22-25	14		60		<b>SILT, with sand (ML)</b> - Pale yellow (5Y 8/2), wet, hard, nonplastic, fine grained SAND, contains shell fragments, +HCL		
SS 17	⊗		▲ 50/4"	4		65		SAA except very fine grained SAND		
SS 18	⊗	▲	15-19-20	17		70		<b>SAND, with clay (SP-SC)</b> - Pale yellow (5Y 8/3), wet, dense, fine grained, contains shell fragments, +HCL		
SS 19	⊗	▲	16-20-21	15		75		<b>SAND (SP)</b> - Pale yellow (5Y 8/4), wet, dense, medium grained, -HCL		
SS 20	⊗	▲	9-6-1	8		80		SAA except pale yellow (2.5Y 7/3), loose, fine grained		
SS 21	⊗	▲	20-4-7	6		85		<b>SAND, with clay (SP-SC)</b> - Pale yellow (5Y 8/3), wet, medium dense, fine to medium grained, contains shell fragments, +HCL	Loss of circulation at a depth of 88.0 feet	
SS 22	⊗	▲	9-19-29	24		90		<b>CLAY, silty (CL-ML)</b> - Dark greenish gray (GLEW 4/10Y), wet, hard, medium plasticity, +HCL	Top of Blue Bluff Marl at a depth of 88.3 feet	
SS 23	⊗		▲ 15-39-50/4"	24		95		SAA		
SS 24	⊗	▲	11-15-26	24		100		SAA except low to medium plasticity, contains trace shell fragments		
SS 25	⊗		▲ 22-50/2"	6		105		SAA except greenish gray (GLEW 5/10GY), medium plasticity	Water level depth at beginning of 1/12/07 = 54.0 feet	
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-4023	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4023
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	11-11-26	18		110		SAA except greenish gray (GLE Y1 5/5G), medium to high plasticity	
SS 27	⊗	▲	37-17-27	18		115		SAA except greenish gray (GLE Y1 5/5GY), medium plasticity, contains cementation and no shell fragments	
SS 28	⊗	▲	20-26-32	20		120		SAA except greenish gray (GLE Y1 6/5GY), high plasticity, contains trace shell fragments and no cementation	
SS 29	⊗	▲	15-19-27	15		125		SAA	
SS 30	⊗	▲	42-50/5"	11		93.7		CLAY (CH) - Greenish gray (GLE Y1 6/10Y), wet, hard, high plasticity, +HCL	
SS 31	⊗	▲	17-18-31	18		135		SAA except greenish gray (GLE Y1 6/5GY)	
SS 32	⊗	▲	20-22-26	13		83.7		CLAY, silty (CL-ML) - Greenish gray (GLE Y1 6/5GY), wet, hard, low plasticity, +HCL	
SS 33	⊗	▲	12-20-36	16		140		SAA except greenish gray (GLE Y1 5/10Y), medium plasticity	
SS 34	⊗	▲	13-15-15			145		SAA except light greenish gray (GLE Y1 7/10Y), very stiff, medium to high plasticity	
						70.7		Boring terminated at 150 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-4023

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4024</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142904.8 E 620601.8</b>		BEGUN <b>1/15/2007</b>		COMPLETED <b>1/17/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>223.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				223.8					
SS 1	X	▲	5-7-8	19	223.3	223.8	0	X	<b>SAND, silty, clayey (SC-SM)- Red (2.5 YR 4/8), damp, medium dense</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet	
SS 2	X	▲	6-9-9	18	222.8				<b>GRAVEL, with silt and sand (GP-GM)- Very dark gray (GLEYS 13/N), damp, medium dense</b>		
SS 3	X	▲	6-7-7	12			5		<b>SAND, silty (SM)- Yellow (10YR 7/8), damp, medium dense, fine grained</b>		
SS 4	X	▲	1-1-2	12					SAA except strong brown (7.5 YR 5/8), dry		
SS 5	X	▲	1-2-6	19					SAA except damp		
SS 6	X	▲	1-3-4	0	212.8		10		SAA except yellow (10YR 7/6), very loose		
SS 7	X	▲	8-9-9	18	210.8				SAA except yellowish red (5YR 4/6), loose		
									<b>NO RECOVERY</b>		
SS 8	X	▲	5-8-11	17	206.8		15		<b>SAND, silty (SM)- Yellowish red (5YR 4/6), damp, medium dense, fine grained</b>		
SS 9	X	▲	8-11-10	16	201.8		20		<b>SAND, silty, clayey (SC-SM)- Red (2.5YR 5/8), damp, medium dense, fine to coarse grained</b>		
SS 10	X	▲	2-4-6	18	196.8		25		<b>SAND, silty (SM)- Light yellowish brown (10YR 6/4), damp, medium dense, fine to coarse grained</b>		
SS 11	X	▲	4-4-4	20	191.8		30		<b>CLAY (CH)- Yellow (2.5Y 7/6), damp, stiff, high plasticity, contains thin sands seams of less than .25", -HCL</b>		
SS 12	X	▲	2-4-5	26			35		<b>CLAY, sandy (CH)- Yellow (2.5Y 7/6), damp, stiff, high plasticity, contains thin sands seams of less than .25", -HCL</b>		
SS 13	X	▲	2-4-5	18	181.8		40		SAA		
SS	X	▲	5-7-8	16			45		<b>SAND, silty, clayey (SC-SM)- Yellow (10YR 7/6) damp, loose, fine grained, contains white shell fragments, +HCL</b>		
									SAA except yellow (2.5Y 7/6), medium dense, fine to medium grained, -HCL, no shell		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4024**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4024
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					171.8			fragments		
SS 15	▲		6-6-5	15		55		<b>SAND, silty (SM)</b> - Yellowish brown (10YR 5/6), damp, medium dense, fine to coarse grained		
SS 16	▲		8-9-10	16		60		SAA except fine to medium grained		
SS 17	▲		5-9-10	17		65		SAA except olive yellow (2.5Y 6/6)		
SS 18	▲		7-13-11	0	156.8	70		<b>NO RECOVERY</b>	Water level depth at end of 1/15/07 = Ground surface	
SS 19	▲		8-7-16	18	151.8 149.8	75		<b>SAND, silty, clayey (SC-SM)</b> - Dark grayish brown (2.5Y 4/2) damp, loose, fine to medium grained, -HCL <b>SAND, silty (SM)</b> - Light yellowish brown (2.5Y 6/3), moist, medium dense, fine to medium grained, -HCL	Water level depth at beginning of 1/16/07 = 5.0 feet	
SS 20		▲	50/2"	2	145.8	80		<b>CLAY, sandy (CL)</b> - Pale yellow (5Y 8/4), damp, hard, low plasticity, +HCL	Top of Utley Limestone Formation at a depth of 78.0 feet. Loss of circulation.	
SS 21		▲	11-11-45	16	141.8	85		<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 8/2), damp, very dense, fine to medium grained, contains some shell fragments and cemented areas, +HCL		
SS 22		▲	27-50/3"	10	136.8	90		<b>SAND, with silty clay (SP-SC)</b> - Pale yellow (2.5Y 8/2), moist, very dense, fine to coarse grained, +HCL	Water level depth at beginning of 1/17/07 = 5.0 feet	
SS 23		▲	23-39-46	26	132.8	95		<b>CLAY (CH)</b> - Greenish gray (GLEY 1 5/5GY), damp, hard, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 91.0 feet	
SS 24		▲	15-16-19	26		100		SAA	Installed casing to a depth of 91.5 feet	
SS 25		▲	19-19-26	26		105		SAA except contains white shell fragments		
					116.8					
					SITE Vogtle Units 3 & 4 COL Project					HOLE NO.
					Final Log					B-4024



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4024
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	×		▲ 50/5"	7		110		<b>CLAY, with sand (CH)</b> Greenish gray (GLEY 1 5/5GY), dry, hard, high plasticity, contains white shell fragments, +HCL		
SS 27	—		▲ 50/1"	1		115		SAA except no shell fragments		
SS 28	×	▲	19-22-21	26		120		SAA except contains some cemented areas		
SS 29	×		▲ 23-50/6"	17		125		SAA except light greenish gray (GLEY 1 7/10Y), damp, contains white shell fragments		
SS 30	×		▲ 50/5"	7		130		SAA		
SS 31	×		▲ 48-22-50/3"	24		135		<b>CLAY, with sand (CL)</b> - Greenish gray (GLEY 1 6/10Y), damp, hard, low plasticity, +HCL		
SS 32	×	▲	33-23-37	26		140		<b>CLAY, with sand (CH)</b> - Greenish gray (GLEY 1 6/10Y), damp, hard, high plasticity, +HCL		
SS 33	×	▲	19-23-35	26		145		SAA		
SS 34	×	▲	8-8-22	26		150		SAA		
								Boring terminated at 150.0 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-4024	



<b>GEOTECHNICAL LOG</b>			PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4025</b>	
LOGGED BY <b>M. Harvey</b>			COORDINATES <b>N 1142510.0 E 620625.0</b>			BEGUN <b>2/3/2007</b>		COMPLETED <b>2/4/2007</b>			
DRILLER <b>Warren-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>220.8</b>			DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80	1st 6"	2nd 6"	3rd 6"							
										220.8					
SS 1	X	▲				5-10-11			18	219.8			<b>GRAVEL</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.0 feet	
SS 2	X	▲				7-10-12			18	217.6			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/8), dry, medium dense, fine grained <b>SAA</b>		
SS 3	X	▲				6-9-12			0			<b>NO RECOVERY</b>			
SS 4	X	▲				8-9-10			10	215.3	5		<b>SAND, clayey (SC)-</b> Red (2.5YR 5/8) and reddish yellow (7.5YR 6/6), damp, medium dense <b>SAA</b>	Installed 3" steel casing to a depth of 17.0 feet	
SS 5	X	▲				3-6-5			5						
SS 6	X	▲				16-12-17			11	210.3	10		<b>SAND, silty (SM)-</b> Yellowish red (5YR 5/8), dry, medium dense		
SS 7	X	▲				8-10-13			0	207.8		<b>NO RECOVERY</b>			
										203.8	15				
SS 8	X	▲				7-10-9			8		20		<b>SAND, with silt (SP-SM)-</b> Yellowish red (5YR 5/8), dry, medium dense		
SS 9	X	▲				3-4-5			10	198.8	25		<b>SAND, clayey (SC)-</b> Reddish yellow (7.5YR 6/8), damp, loose, contains CLAY lenses		
SS 10	X	▲				3-4-6			18		30		SAA except pale yellow (5Y 7/3), dry		
SS 11	X	▲				2-2-3			18		35		SAA except fine grained		
SS 12	X	▲				1-2-3			19		40		SAA except -HCL		
SS 13	X	▲				8-7-10			16		45		SAA except pale yellow (5Y 8/2), medium dense, contains shell fragments, +HCL		
SS	X	▲				3-3-9			14				SAA except contains SILT lenses		

PREPARED BY: A. TAYLOR			SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>			HOLE NO. <b>B-4025</b>		
REVIEWED BY: P. DEPREE			<b>Final Log</b>					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4025
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					168.8				
SS 15	▲		4-6-7	14		55		<b>SAND, silty (SM)</b> - White (5Y 8/1), damp, medium dense, +HCL	
SS 16	▲		5-6-7	15		60		<b>SAND, clayey (SC)</b> - White (5Y 8/1), damp, medium dense, fine grained, +HCL	
SS 17	▲		8-8-6	9		65		<b>*SHELL HASH, silty (GM)</b> - White (5Y 8/1), dry, medium dense, +HCL	Loss of circulation at a depth of 62.0 feet
SS 18	▲		2-2-5	2		70		<b>*CLAY, with shell fragments (CL)</b> - Pale yellow (5Y 8/2), damp, medium stiff, +HCL	
SS 19	▲		WOR/18"	18		75		<b>CLAY (CL)</b> - Pale yellow (5Y 8/2), very soft, contains SAND lenses	
SS 20	▲		7-8-9	14		80		<b>SAND, with silt (SP-SM)</b> - White (5Y 8/1), wet, medium dense, -HCL	
SS 21			6-50/2"	8		85		SAA except white (5Y 8/1) to pale red (10R 7/2), very dense	
SS 22			50/1"	1		90		<b>*SHELL HASH, clayey (GC)</b> - Pale yellow (5Y 8/2), wet, very dense, +HCL	Top of Utley Limestone at a depth of 87.0 feet
SS 23	▲		7-13-16	18		95		<b>CLAY (CL)</b> - Greenish gray (GLE Y1 5/1/10Y), damp, very stiff	Top of Blue Bluff Marl at a depth of 91.75 feet
SS 24			50/1"	11		100		SAA except hard	
SS 25				8		105		SAA	Water level depth at end of 2/3/07 = Ground surface Water level depth at beginning of 2/4/07 = 56.2 feet
					113.8				
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4025

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4025		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26						▲ 50/1"	0		110		NO RECOVERY		
SS 27						▲ 50/1"	8	108.8			SAA		
SS 28						▲ 50/1"	8	115			SAA		
SS 29						▲ 50/1"	0	120			NO RECOVERY		
SS 30						▲ 50/1"	6	98.8			NO RECOVERY		
SS 31	⊗	▲				11-11-15	18	93.8			SAA		
SS 32	⊗		▲			17-26-27	15	135			SAA		
SS 33	⊗			▲		17-24-39	0	140			NO RECOVERY		
SS 34	⊗					25-35-50/6"	18	79.8			NO RECOVERY		
								73.8			CLAY (CL)- Greenish gray (GLEY1 6/1/10Y), damp, hard, medium plasticity, +HCL Boring terminated at 150 feet	Water level depth at end of 2/4/07 = Ground surface	
								70.8	150				
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4025	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4026</b>	
LOGGED BY <b>C. Bruce</b>				COORDINATES <b>N 1142330.2 E 620597.7</b>		BEGUN <b>2/5/2007</b>		COMPLETED <b>2/6/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>221.5</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %  20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						221.5					
SS 1	X	▲	3-5-7	19					<b>*SAND, with silt and gravel (SP-SM)-</b> Yellowish red (5YR 6/4), moist, medium dense, fine to medium grained SAA except dry	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X	▲	5-9-7	15							
SS 3	X	▲	7-10-12	14							
SS 4	X	□	14-16-21	15		5		SAA			
SS 5	X	▲	17-21-31	24		10		SAA except strong brown (7.5YR 4/6), wet, dense			
SS 6	X	▲	10-10-8	21		211.0		SAA except strong brown (7.5YR 4/6) to dark red (2.5YR 3/6), very dense			
SS 7	X	▲ □	6-8-11	24		208.5		<b>*SAND (SP)-</b> Strong brown (7.5YR 4/6), moist to wet, medium dense, medium to coarse grained, contains cemented fragments <b>SAND, silty, clayey (SC-SM)-</b> Dark red (10R 3/6), wet, medium dense, fine to medium grained			
						204.5					
SS 8	X	▲	8-8-12	12		20		<b>CLAY, sandy (CL)-</b> Red (10R 4/6) to yellowish brown (10YR 5/6), moist, medium dense, fine to medium grained SAND			
						199.5					
SS 9	X	▲	8-12-8	15		25		<b>*SAND, with clay (SP-SC)-</b> Red (2.5YR 4/8), moist, medium dense, fine to coarse grained, contains cemented nodules	Installed 3.5" steel casing to a depth of 22.0 feet		
SS 10	X	▲	8-12-10	12		30		<b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/6), wet, medium dense, fine to coarse grained			
SS 11	X	▲ □	7-8-12	15		35		SAA except yellow (10YR 7/6)			
SS 12	X	▲	4-5-7	12		40		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/6), wet, medium dense, fine to medium grained			
SS 13	X	▲	3-5-10	15		45		SAA			
SS	X	▲	2-3-5	17				SAA except moist, loose, fine grained, contains CLAY lenses			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4026**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4026
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲	□	4-4-8	15		55		SAA except wet, medium dense, contains no CLAY lenses	
SS 16	▲		4-4-5	15		60		SAA except very pale brown (10YR 7/3), moist, loose	
SS 17	▲		2-2-3	15		65		SAND, silty (SM)- Yellow (2.5Y 7/6), moist, loose, fine grained, -HCL	
SS 18	▲		1-1-3	24		70		SAND, silty, clayey (SC-SM)- Yellow, (2.5Y 7/6), wet, very loose, fine to coarse grained, contains trace shell fragments, -HCL	Loss of circulation at a depth of 67.0 feet
SS 19	▲		3-3-5	24		75		SAND, silty (SM)- Yellow (2.5Y 7/6), wet, loose, fine to medium grained, -HCL	
SS 20	▲		3-3-5	17		80		SAA except very pale brown (10YR 7/3)	
SS 21	▲		3-4-3	14		85		SAA	Top of Utley Limestone at a depth of 85.0 feet
SS 22			50/1"	10		90		*CLAY, sandy (CL)- Very pale brown (10YR 8/3), wet, very dense, contains shell hash, +HCL	
SS 23			50/1"	2		95		*SHELL HASH, clayey with sand (GC)- Very pale brown (10YR 7/3), moist, very dense, +HCL	
SS 24		▲	18-28-48	24		100		SILT (ML)- Dark greenish gray (GLEY1 4/10Y), dry, hard, +HCL	Top of Blue Bluff Marl at a depth of 97.0 feet
SS 25		▲	13-11-17	24		105		SAA except moist, very stiff, low plasticity	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4026

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4026
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	11-15-19	24		110		SAA	
SS 27	⊗		▲ 11-50/1"	11		115		SAA except very dark greenish gray (GLEY1 3/5G), hard	
SS 28	⊗		▲ 38-50/1"	19		120		SAA	
SS 29	⊗	▲	11-15-28	20		125		SAA	
SS 30	⊗	▲	20-18-43	24		130		SAA	
SS 31	⊗	▲	27-35-42	24		135		SAA except medium plasticity	
SS 32	⊗		▲ 39-50/5"	17		140		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), moist, hard, +HCL	
SS 33	⊗	▲	18-11-28	18		145		SILT (ML) - Greenish gray (GLEY1 5/5GY), moist, hard, medium plasticity, +HCL	
SS 34	⊗		▲ 1-32-50/6"			150		SAA except low plasticity	
								Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4026

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4027</b>	
LOGGED BY <b>D. Brooks</b>				COORDINATES <b>N 1142180.1 E 620633.5</b>		BEGUN <b>2/14/2007</b>		COMPLETED <b>2/15/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>217.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							217.7				
SS 1	X	▲		5-3-2	10		216.2			<b>SAND, with silt (SP-SM)-</b> Strong brown (7.5YR 5/8), damp, loose, medium grained, nonplastic	Top of Barnwell Group at a depth of 0.0 feet Begin drilling with 2 7/8" drill bit
SS 2	X	▲		3-4-4	11					<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (7.5YR 6/8), damp, loose, fine to medium grained, low plasticity	
SS 3	X	▲		2-5-4	8			5		SAA	
SS 4	X	▲		6-9-12	14					SAA except yellowish red (5YR 4/6), medium dense	
SS 5	X	▲		8-9-10	15			10		SAA	
SS 6	X	▲		4-6-6	13		204.7			SAA	
SS 7	X	▲		6-7-8	15		200.7			<b>SAND, with clay (SP-SC)-</b> Strong brown (7.5YR 5/8), damp, medium dense, medium to coarse grained, low plasticity	
SS 8	X	▲		7-8-8	11		195.7			<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/8), damp, medium dense, coarse grained, nonplastic	
SS 9	X	▲		6-7-7	13		190.7			<b>SAND, with silty clay (SP-SC)-</b> Yellowish brown (10YR 5/8), damp, medium dense, low plasticity	Changed to a 3 7/8" drill bit
SS 10	X	▲		5-6-8	18		185.7			<b>CLAY, silty, sandy (CL-ML)-</b> Brownish yellow (10YR 6/8), damp, stiff, low plasticity, fine grained SAND	
SS 11	X	▲		5-5-5	14		180.7			<b>CLAY, silty with sand (CL-ML)-</b> Yellowish brown (10YR 5/8), damp, stiff, low plasticity, medium grained SAND	
SS 12	X	▲		4-4-5	0			40		<b>NO RECOVERY</b>	
SS 13	X	▲		4-3-3	14		175.7			SAA except medium stiff, fine grained SAND, -HCL	
SS	X	▲		1-3-6	16			45		SAA except pale yellow (2.5Y 7/4), stiff, +HCL	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4027**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4027
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					165.7				
SS 15	⊗	▲	15-15-14	15		55		<b>*SHELL HASH, silty, clayey with sand (GC-GM)</b> - Very pale brown (10YR 8/2), damp, medium dense, nonplastic, +HCL	
SS 16	⊗	▲	13-14-13	16		60		SAA	Loss of circulation at a depth of 60.0 feet
SS 17	⊗	▲	9-7-9	14		65		SAA	
SS 18	⊗	▲	6-3-5	18		70		<b>CLAY, silty (CL-ML)</b> - White (10YR 8/1), damp, medium stiff to stiff, medium plasticity, +HCL	
SS 19	⊗		50/5"	0		75		NO RECOVERY	Water level depth at end of 2/14/07= Ground surface Top of Utley Limestone at a depth of 72.0 feet Water level depth at beginning of 2/15/07= Borehole dry End logging by D. Brooks. Begin logging by S. Woodham.
SS 20	⊗		50/3"	4		80		<b>*SHELL HASH, with clay and sand (GP-GC)</b> - Pale yellow (5Y 8/4), moist, very dense, +HCL	
SS 21	⊗	▲	4-5-8	18		85		<b>CLAY (CL)</b> - Pale olive (5Y 6/3), damp, stiff, low to medium plasticity, -HCL	
SS 22	⊗	▲	11-14-14	18		90		<b>CLAY (CL)</b> - Greenish grey (GLEW 5/5GY), damp, very stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet
SS 23	⊗		27-50/3"	12		95		SAA except hard, contains cementation	Installed 4" steel casing to a depth of 90.0 feet
SS 24	⊗		1-24-50/2"	16		100		SAA except contains shell fragments	
SS 25	⊗		11-50/3"	0		105		NO RECOVERY	
					110.7				
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4027

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4027
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	×		▲ 50/4"	5		110		<b>CLAY, sandy (CL)</b> - Greenish gray (GLEY1 5/5G), damp, hard, low plasticity, contains shell fragments, +HCL		
SS 27	×	▲	14-19-24	18		115		SAA		
SS 28	×		▲ 50/3"	4		120		SAA except contains cementation		
SS 29	×	▲	7-11-14	18	95.7	125		<b>CLAY, with sand (CL)</b> - Greenish gray (GLEY1 6/10Y), damp, very stiff, low plasticity, +HCL		
SS 30	×		▲ 50/6"	6		130		SAA		
SS 31	×	▲	36-39-48	15		135		SAA		
SS 32	×	▲	11-17-21	18	80.7	140		<b>CLAY (CL)</b> - Light greenish gray (GLEY1 7/5GY), damp, hard, low plasticity, +HCL		
SS 33	×	▲	17-18-20	8		145		SAA		
SS 34	×	▲	9-10-14	18	67.7	150		SAA		
								Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-4027



<b>GEOTECHNICAL LOG</b>			PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4028</b>	
LOGGED BY <b>L. Davis</b>			COORDINATES <b>N 1141984.2 E 620587.8</b>			BEGUN <b>2/6/2007</b>		COMPLETED <b>2/7/2007</b>			
DRILLER <b>Melvin-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>219.6</b>			DEPTH/EL. GROUND WATER <b>▽ / ▽</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80	1st 6"	2nd 6"	3rd 6"							
										219.6					
SS 1	X	▲				14-10-7			15	218.1			<b>SAND, with silty clay (SP-SC)-</b> Red (10YR 4/6), dmap, medium dense, fine grained, nonplastic, -HCL <b>SAND, with silt (SP-SM)-</b> Light red (10R 7/8), damp, dense, fine grained, nonplastic, +HCL SAA except pale yellow (2.5Y 8/2) <b>SAND, silty (SM)-</b> Red (2.5YR 5/6), damp, dense, fine grained, nonplastic, -HCL <b>SAND, with silty clay (SP-SC)-</b> Red (10R 5/6), damp, medium dense, fine grained, low plasticity, -HCL SAA except red (10R 4/6) SAA except red (10R 5/6) <b>SAND, silty (SM)-</b> Red (2.5YR 5/6), damp, medium dense, fine grained, nonplastic, -HCL <b>SAND, silty, clayey (SC-SM)-</b> Reddish yellow (5YR 6/6), damp, dense, fine grained, nonplastic, -HCL SAA except reddish yellow (5YR 7/8), medium dense, low plasticity <b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (5YR 7/6), damp, medium dense, low plasticity, -HCL SAA except reddish yellow (5YR 7/8) <b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 7/8), moist, medium dense, medium grained, nonplastic, -HCL <b>SAND, silty, clayey (SC-SM)-</b> Yellow (10YR 7/6), moist, medium dense, fine grained, low	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X					10-12-29			21						
SS 3	X					9-17-18			13	214.1					
SS 4	X					13-14-20			14	211.6					
SS 5	X					9-13-15			14						
SS 6	X					9-14-22			16						
SS 7	X					11-13-16			16	202.6					
SS 8	X					11-9-10			15	197.6					
SS 9	X					10-14-17			16						
SS 10	X					8-8-12			19	187.6					
SS 11	X					7-6-8			15						
SS 12	X					7-7-11			18	177.6					
SS 13	X					10-11-12			8	172.6					
SS	X					6-7-14			15						

PREPARED BY: A. TAYLOR			SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>			HOLE NO. <b>B-4028</b>		
REVIEWED BY: P. DEPREE			<b>Final Log</b>					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4028
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14								plasticity, -HCL		
SS 15		▲	10-10-13	17		55		SAA except yellow (10YR 7/8)		
					162.6					
SS 16		▲	5-8-3	14		60		<b>SAND, with silty clay (SP-SC)-</b> Very pale brown (10YR 7/4), moist, medium dense, nonplastic, -HCL		
SS 17		▲	6-8-5	16		65		SAA except light red (10R 6/6), low plasticity	Loss of circulation at a depth of 63.0 feet	
					152.6					
SS 18		▲	4-7-12	14		70		<b>SAND, with silt (SP-SM)-</b> Very pale brown (10YR 7/4), moist, medium dense, nonplastic, -HCL		
					147.6					
SS 19			6-33-50/2"	15		75		<b>SAND, silty, clayey (SC-SM)-</b> Very pale brown (10YR 8/3), moist, very dense, nonplastic, -HCL	Top of Utley Limestone at a depth of 74.5 feet.	
					142.6			<b>*SAND, silty, clayey (SC-SM)-</b> White (2.5Y 8/1), moist, very dense, low plasticity, +HCL		
SS 20		▲	14-14-17	17		80		<b>SAND, with silt (SP-SM)-</b> Very pale brown (10YR 8/3), moist, dense, nonplastic, -HCL		
					137.6					
SS 21			50/3"	4		85		<b>*CLAY, silty, with sand (CL-ML)-</b> Pale yellow (2.5Y 8/2), moist, hard, low plasticity, +HCL		
					132.6					
SS 22		▲	7-10-10	27		90		<b>CLAY, silty (CL-ML)-</b> Yellow (2.5Y 7/6), moist, very stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 89.0 feet.	
					130.6			<b>CLAY, silty (CL-ML)-</b> Greenish grey (GLE Y1 5/10GY), moist, very stiff, low plasticity, +HCL		
SS 23			50/3"	5		95		SAA except greenish grey (GLE Y1 5/5GY), damp, hard, nonplastic		
					122.6					
SS 24			17-50/5"	15		100		<b>CLAY, silty with sand (CL-ML)-</b> Greenish grey (GLE Y1 5/5G), damp, hard, fine grained SAND, nonplastic, -HCL		
SS 25			50/3"	4		105		SAA except greenish grey (GLE Y2 5/10GY)		
					112.6					
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-4028

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4028
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26			▲ 50/1"	1		110		CLAY, silty (CL-ML)- Greenish grey (GLEY1 5/10Y), moist, hard, nonplastic, +HCL	Water level depth at beginning of 2/07/2007 = 62.0 feet	
					107.6					
SS 27	⊗		▲ 17-50/3"	11		115		CLAY, silty with sand (CL-ML)- Greenish grey (GLEY1 5/5G), damp, hard, nonplastic, contains shell hash, +HCL		
					102.6					
SS 28			▲ 50/2"	3		120		*CLAY, silty (CL-ML)- Greenish grey (GLEY1 6/5GY), moist, hard, nonplastic, contains shell fragments, +HCL		
					97.6					
SS 29	⊗	▲	20-23-37	28		125		CLAY, silty (CL-ML)- Greenish grey (GLEY1 6/10Y), moist, hard, low plasticity, +HCL		
SS 30	⊗		▲ 1-30-50/2"	26		130		SAA		
SS 31	⊗		▲ 29-50/2"	10		135		SAA except greenish grey (GLEY1 7/10Y)		
SS 32			▲ 50/2"	5		140		SAA except greenish grey (GLEY1 7/5GY), damp		
SS 33	⊗	▲	16-16-22	28		145		SAA except greenish grey (GLEY1 7/10Y)		
SS 34	⊗	▲	10-16-25	26		150		SAA except greenish grey (GLEY1 6/10Y)		
					69.6			Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-4028

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4029</b>	
LOGGED BY <b>R. Clark</b>				COORDINATES <b>N 1141874.9 E 620700.0</b>		BEGUN <b>2/6/2007</b>		COMPLETED <b>2/7/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>220.3</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							220.3				
SS 1	X	▲		7-10-7	16		219.1			<b>SAND, with silt and gravel (SP-SM)-</b> Red (2.5YR 4/4) and white (GLEYS 8/N), dry, medium dense, fine grained	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.2 feet
SS 2	X	▲		7-8-7	15		217.0			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/6), dry, medium dense, fine grained, nonplastic	
SS 3	X	▲		7-11-11	14			5		<b>SAND, with clay (SP-SC)-</b> Yellowish red (5YR 5/8), damp, medium dense, fine grained, nonplastic	
SS 4	X	▲		9-12-16	16					SAA except red (2.5YR) and reddish yellow (7.5YR 6/8)	
SS 5	X	▲		8-10-19	12			10		SAA	
SS 6	X	▲		13-12-11	14					SAA except red (2.5YR 4/8)	
SS 7	X	▲		5-8-10	17			15		SAA	
SS 8	X	▲		6-7-10	12			20		SAA except strong brown (7.5YR 5/8)	
SS 9	X	▲		9-15-18	12		198.3			<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/6), damp, dense, medium to coarse grained, nonplastic, subrounded	
SS 10	X	▲		5-8-10	14		193.3			<b>CLAY, with sand (CL)-</b> Yellow (10YR 7/8), damp, very stiff, low plasticity, very fine grained SAND	
SS 11	X	▲		6-7-7	15		188.3			<b>SAND, with clay (SP-SC)-</b> Brownish yellow (10YR 6/6), moist, medium dense, fine grained, nonplastic	
SS 12	X	▲		2-3-4	18		183.3			<b>CLAY, with sand (CL)-</b> Brownish yellow (10YR 6/8), moist, loose, low plasticity	
SS 13	X	▲		5-3-5	0		178.3			<b>NO RECOVERY</b>	
SS	X	▲		7-8-7	18		173.3			<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine grained.	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4029**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4029
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					168.3			nonplastic		
SS 15	▲		5-5-5	17		55		<b>SAND, with clay (SP-SC)</b> - Brownish yellow (10YR 6/8), moist, medium dense, fine grained, nonplastic		
SS 16	▲		6-10-9	18		60		SAA		
SS 17	▲		5-5-7	18		65		<b>CLAY, with sand (CL)</b> - Very pale brown (10YR 7/4), wet, medium stiff, low plasticity		
SS 18	▲		3-5-5	18		70		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 7/4), wet, medium dense, fine grained, nonplastic		
SS 19	▲		8-12-16	18		75		<b>*CLAY, with sand (CL)</b> - Pale yellow (2.5Y 8/2), moist, very stiff, low plasticity, contains shell hash, +HCL		
SS 20	▲		8-9-10	18		80		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/2), wet, medium dense, fine grained, nonplastic, -HCL		
SS 21	▲		12-50/5"	3		85		<b>*CLAY (CL)</b> - Pale yellow (2.5Y 8/2), wet, hard, low plasticity, contains cementation, +HCL		
SS 22	▲		5-9-11	20		90		SAA except pale yellow (5Y 7/4), damp, very stiff	End logging by R. Clark. Begin logging by A. Reimer.	
SS 23	▲		18-28-36	17		95		<b>SILT (ML)</b> - Greenish gray (GLEY1 5/5GY), damp, hard, nonplastic, +HCL	Top of Blue Bluff Marl at a depth of 91.0 feet	
SS 24	▲		16-20-36	23		100		SAA		
SS 25	▲		12-18-19	21		105		SAA except contains abundant shell fragments	Water level depth at end of 2/6/07 = Ground surface Water level depth at beginning of 2/7/07 = 60.0 feet	
					113.3					
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-4029	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4029
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗		▲ 22-44-50/4"	18		110		<b>CLAY, silty (CL-ML)-</b> Greenish gray (GLEY1 5/5GY), damp, hard, low plasticity, +HCL	
SS 27	⊗	▲	11-14-16	22		115		SAA except very stiff to hard, contains no shell fragments	
SS 28	⊗	▲	14-23-27	24		120		SAA except contains cementation	
SS 29	⊗		▲ 50/5"	5		125		SAA except hard	
SS 30	⊗		▲ 50/5"	5		130		SAA	
SS 31	⊗		▲ 11-50/4.5"	13		135		SAA greenish gray (GLEY1 6/10Y)	
SS 32	⊗		▲ 26-50/5.5"	15		140		SAA	
SS 33	⊗	▲	12-20-27	19		145		SAA except low to medium plasticity	
SS 34	⊗	▲	14-18-26	22	70.3	150		SAA	
						Boring terminated at 150 feet			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4029





<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4030</b>	
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1141676.7 E 620698.5</b>		BEGUN <b>1/21/2007</b>		COMPLETED <b>3/13/2007</b>			
DRILLER <b>Melvin-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>150.3</b>	
GROUND EL. <b>222.4</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							222.4				
SS 1	X	▲		11-10-5	14		220.9			SAND, silty with gravel (SM)- Red (10R 4/6), damp, medium dense, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		9-11-17	23					SAND, silty (SM)- Red (10R 5/6), damp, medium dense, fine grained, nonplastic to low plasticity, -HCL	
SS 3	X	▲		6-12-15	15		216.9	5		SAA except low plasticity	
SS 4	X	▲		6-15-22	28		214.4			CLAY, silty, sandy with gravel (CL-ML)- Red (10R 4/6), moist, hard, high plasticity, -HCL	
SS 5	X	▲		11-13-18	16			10		SAND, silty (SM)- Red (10R 5/6), damp, medium dense, fine grained, low plasticity, -HCL	
SS 6	X	▲		11-12-16	18		210.4			SAA except red (10R 4/6)	
UD 1	■	□			19			15		*SAND, with silt (SP-SM)- Red (2.5YR 4/6), damp, fine grained, nonplastic, -HCL Pocket Penetrometer: 2.5 TSF	Direct Push
SS 7	X	▲		8-12-17	11			20		SAA except red (2.5YR 5/6), medium dense	
SS 8	X	▲		8-10-7	14			25		SAA except light red (2.5YR 6/8)	
UD 2	■	□			2			30		SAA except red (2.5YR 4/6) Pocket Penetrometer: 2.0 TSF	Direct Push
UD 3	■	□			13		190.4				
UD 4	■				16			40		SAND, silty, clayey (SC-SM)- Light red (10R 6/8), moist, fine grained, low plasticity, -HCL Pocket Penetrometer: 3.5 TSF	Direct Push
SS 9	X	▲		3-5-6	26		185.4	35		SAND, silty (SM)- Light red (10R 6/8), damp, medium dense, fine grained, -HCL	Direct Push
							180.4	45		SILT, sandy (ML)- Reddish yellow (2.5YR 7/8), moist, stiff, nonplastic, -HCL	
SS	X	▲		2-4-7	28		175.4			SAND, clayey (SC)- Reddish yellow (5YR 7/8), moist, medium dense, medium plasticity,	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4030**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4030	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
10					170.4			-HCL	Water level depth at beginning of 2/2/07 = 27.0 feet
SS 11	⊗	▲	11-8-13	13		55		<b>SAND, silty, clayey (SC-SM)</b> - Reddish yellow (7.5YR 7/6), moist, dense, fine to medium grained, low plasticity, -HCL	
					165.4				
SS 12	⊗	▲	6-2-8	21		60		<b>CLAY, silty, sandy (CL-ML)</b> - Reddish yellow (5YR 6/6), damp to moist, stiff, low plasticity, -HCL	
					160.4				
SS 13	⊗	▲	8-6-14	19		65		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/8), moist, medium dense, nonplastic, -HCL	
SS 14	⊗	▲	2-6-7	22		70		SAA except very pale brown (10YR 7/3)	
					149.4				Loss of circulation.
SS 15	⊗	▲	15-14-14	14		75		<b>*SHELL HASH, silty, clayey with sand (GC-GM)</b> - Pale yellow (2.5Y 8/2) damp, medium dense, low plasticity, contains large carbonate nodule clusters, +HCL	
					145.4				
SS 16	⊗	▲	5-5-12	22		80		<b>SAND, silty (SM)</b> - Pale yellow (2.5R 8/2), moist, medium dense, nonplastic, +HCL	
SS 17	⊗	▲	10-10-16	21		85		SAA except -HCL	
					134.9				
SS 18	⊗	▲	50/6"-6-7	9		90		<b>*CLAY, silty (CL-ML)</b> - Pale yellow (2.5R 8/2), moist, stiff, low plasticity, contains shell fragments, +HCL	
					130.4				
SS 19	⊗	▲	8-10-10	28		95		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5YR 7/4), moist, very stiff, medium plasticity	
					125.4				
SS 20	⊗	▲	50/3"	7		100		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEYS 1 5/10Y), damp, hard, nonplastic, +HCL	Top of Blue Bluff Marl at a depth of 97.0 feet
					120.4				End logging by L. Davis.
UD 5	■			9				<b>CLAY (CL)</b> - Greenish gray (GLEYS 1 5/5GY), moist, hard, low plasticity, contains some cemented layers, +HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF	Begin logging by R. Clark.
UD 6	○			29		105			Pitcher Installed 6" steel casing to a depth of 103.0 feet Pitcher
SITE				Vogle Units 3 & 4 COL Project Final Log					HOLE NO. B-4030

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4030		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 21						▲ 20-33-50/2"	16		110		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF SAA	Pitcher  Water level depth at end of 3/12/07 = Ground surface Pitcher Water level depth at beginning of 3/13/07 = 16.0 feet	
SS 22				▲		13-20-35	20		115		SAA		
SS 23						▲ 15-29-50/4"	18		120		SAA		
UD 7							10	100.4	125		*CLAY, silty (CL-ML)- Greenish gray (GLEY 1 5/5GY), moist, hard, low plasticity, contains some cemented areas, +HCL Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF SAA		
UD 8							24				Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF SAA		
SS 24						▲ 20-50/3"	10		130		*SAA except greenish gray (GLEY 1 6/5GY)		
SS 25				▲		9-35-32	22		135		SAA except light olive gray (5Y 6/2)		
SS 26						▲ 50/3"	4		140		SAA		
SS 27				▲		10-20-40	20		145		SAA		
UD 9							28	72.1	150		SAA Pocket Penetrometer: >4.5 TSF, >4.5 TSF, >4.5 TSF Boring terminated at 150.3 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4030	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4031</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1141399.8 E 620975.0</b>				BEGUN <b>2/18/2007</b>		COMPLETED <b>2/20/2007</b>	
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						222.1				
SS 1	X	▲	5-10-12	6					SAND, silty (SM)- Red (10R 4/8), dry, medium dense	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X		7-15-20	18					SAA except dense	
SS 3	X	▲	8-8-14	10			5		SAA except medium dense	
SS 4	X	▲	10-12-11	10					SAA	
SS 5	X	▲	6-12-15	8			10		SAA	
SS 6	X	▲	3-7-6	6					SAA	
SS 7	X	▲	8-11-12	6			15		SAA	
SS 8	X	▲	8-9-12	0		205.1	20		NO RECOVERY	
SS 9	X	▲	4-7-10	8		200.1	25		SAA except red (10R 4/6), damp	
UD 1	■	□		15			30		SAA Pocket Penetrometer: 4.5 TSF	Direct Push  Water level depth at end of 2/18/07 = Ground surface
UD 2	■	○		20.5			35		SAA, except red (2.5YR 4/6) Pocket Penetrometer: 2.25 TSF	Water level depth at beginning of 2/19/07 = 25.0 feet Direct Push
UD 3	■	○		21.5			40		SAA except red (2.5YR 4/6) and reddish yellow (7.5YR 6/8) Pocket Penetrometer: 2.0 TSF	Direct Push
SS 10	X	▲	8-12-15	10		180.1	45		SAND, with silt (SP-SM)- Reddish yellow (7.5YR 6/8), moist, medium dense	
SS	X	▲	5-5-7	12		175.1			SAND, clayey (SC)- Brownish yellow (10YR 6/8), moist to wet, medium dense, contains clay	Installed 4" steel casing to a depth of 47.0 feet

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4031**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4031
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11						170.1		in lenses	
SS 12	⊗	▲	8-12-12	10		55		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/8), damp, medium dense	
SS 13	⊗	▲	3-3-8	17		60		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/6), damp, medium dense	
SS 14	⊗	▲	7-8-9	14		65		<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, very stiff	
SS 15	⊗	▲	7-15-17	10		70		<b>SAND, silty (SM)</b> - Yellow (10YR 7/8), damp, medium dense	
SS 16	⊗	▲	11-22-26	10		75		<b>SAND, with silt (SP-SM)</b> - Yellow (10YR 8/6), wet, medium dense	
SS 17	⊗	▲	5-5-6	14		80		<b>SAND, clayey</b> - Brownish yellow (10YR 6/8), wet, medium dense	
SS 18	⊗	▲	7-11-12	13		85		<b>SAND, silty (SM)</b> - Yellow (10YR 6/8), wet, medium dense	
SS 19	⊗	▲	6-5-6	0		90		<b>NO RECOVERY</b>	
SS 20	⊗	▲	6-8-10	18		95		<b>CLAY, silty (CL-ML)</b> - Pale yellow (5Y 7/4), damp, very stiff, -HCL	
SS 21	⊗	▲	27-31-35	18		100		<b>CLAY (CL)</b> - Greenish gray (GLEYS 5/5GY), damp, hard, contains cementation, +HCL	Top of Blue Bluff Marl at a depth of 96.75 feet
SS 22	⊗	▲	16-24-26	18		105		<b>SILT (ML)</b> - Greenish gray (GLEYS 5/5GY), damp, hard, contains cementation, +HCL	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4031

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4031
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 23			▲ 50/0"	0	114.1	110		NO RECOVERY	Water level depth at end of 2/19/07 = Ground surface  Water level depth at beginning of 2/20/07 = 51.0 feet
SS 24	⊗	▲	15-19-21	18	109.1	115		CLAY (CL)- Greenish gray (GLEY1 5/5GY), damp, hard, contains cementation, +HCL	
SS 25	⊗	▲	13-22-42	18		120		SAA	
SS 26	⊗		▲ 50/3"	16		125		SAA	
SS 27	⊗		▲ 50/1"	9		130		SAA	
SS 28			▲ 50/0"	0	90.1	135		NO RECOVERY	
SS 29	⊗		▲ 50/2"	3	85.1	140		*LIMESTONE - Greenish gray (GLEY1 5/5GY), lithified marl with clay, wet, hard, contains shell fragments, +HCL	
SS 30	⊗		▲ 50/1"	1		145		SAA	
SS 31	⊗	▲	13-24-27	18	75.1	150		CLAY (CL)- Greenish gray (GLEY1 5/5GY), damp, hard, +HCL	
					72.1			Boring terminated at 150 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4031



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>B-4032</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1141118.5 E 620794.6</b>		BEGUN <b>2/13/2007</b>		COMPLETED <b>2/14/2007</b>			
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>38.5</b>	
GROUND EL. <b>220.2</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					220.2				
SS 1	▲		4-4-4	14						<b>SAND, clayey (SC)</b> - Red (10R 4/4), dry , loose	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		4-3-4	8						SAA except red (10R 5/6)	
SS 3	▲		3-5-8	13		214.7	5		SAA except red (10R 4/4), damp, medium dense, fine grained		
SS 4	▲		3-5-8	0		212.2				<b>NO RECOVERY</b>	
SS 5	▲		6-8-10	13			10			SAA except pale red to red (10R 6/3 to 10R 4/8)	
SS 6	▲		1-3-5	5		207.2				SAA except red (10R 5/6), loose	
SS 7	▲		14-15-18	11			15			<b>SAND (SP)</b> - Red (10R 4/8), dry, dense	
SS 8	▲		5-5-10	8		198.2	20			SAA except medium dense	
SS 9	▲		8-9-15	8			25			<b>SAND, silty (SM)</b> - Red (10R 4/6), damp, medium dense	
UD 1	□			26.5			30			SAA except damp to moist	Direct Push
UD 2	□			21			35			SAA except reddish yellow (7.5YR 7/8)	Direct Push
						181.7				Boring terminated at 38.5 feet due to mechanical malfunction	Water level depth at end of 2/13/2007 = Ground surface



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4032A</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1141123.7 E 620794.7</b>				BEGUN <b>2/14/2007</b>		COMPLETED <b>2/15/2007</b>	
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>211797</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>220.2</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6"   2nd 6"   3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80	1st 6"	2nd 6"	3rd 6"						
										220.2				
UD 1									9	181.7			*SAND (SP) - Orange, damp, loose	Casing installed to a depth of 42.0 feet
SS 1								14-16-19	14				SAA reddish yellow (7.5YR 6.5/8), dry, dense	
SS								5-12-17	14	173.2			SAND, clayey (SC) - Reddish yellow (7.5YR 7/8), medium dense, damp	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-4032A</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4032A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
2					168.2				
SS 3	▲		6-8-10	15		55		<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/6), medium dense, damp	
SS 4	▲		9-10-10	12		60		<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, medium dense	
SS 5	▲		7-12-13	14		65		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/8), wet, medium dense	
SS 6	▲		16-19-20	12		70		SAA	
SS 7	▲		6-8-10	17		75		SAA pale red (10R 6/4)	
SS 8	▲		7-10-12	12		80		SAA except yellow (10YR 7/6), medium dense, -HCL	
SS 9	▲		2-17-27	18		85		SAA except yellow (7.5YR 7/4) and pink (2.5Y 8/6), dense	
SS 10	▲		2-7-16	17		90		<b>CLAY (CL)</b> - Pale yellow (5Y 8/4), and olive yellow (5Y 6/6), damp, very stiff	
SS 11	▲		4-6-10	0		95		NO RECOVERY	
SS 12	▲		5-6-8	16		100		SAA except pale yellow (5Y 7/4), stiff	Water level depth at end of 2/14/2007 = Ground surface
SS 13	▲		14-18-20	13		105		<b>CLAY (CL)</b> - Greenish grey (GLE Y1 5/1/10Y), damp, hard	Top of Blue Bluff Marl at a depth of 101.0 feet
					113.2				
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4032A

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4032A
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 14	⊗	▲	11-13-19	18		110		CLAY, silty (CL-ML)- Greenish grey (GLEY1 5/1/10Y), damp, hard, +HCL		
SS 15	⊗	▲	14-19-21	18		115		SAA		
SS 16	⊗	▲	14-16-19	18		120		SAA		
SS 17	—		50/1"	2		98.2		CLAY (CL)- Greenish grey (GLEY1 5/1/10Y), damp, hard, +HCL		
SS 18	⊗	▲	18-37-46	18		93.2		*CLAY, with shell fragments (CL)- Greenish grey (GLEY1 5/1/10Y), damp, hard, +HCL		
SS 19	—		50/1"	11		88.2		CLAY (CL)- Greenish grey (GLEY1 5/1/10Y), damp to wet, hard, +HCL		
SS 20	⊗	▲	16-19-22	18		135		SAA		
SS 21	⊗	▲	24-43-25	15		140		CLAY, silty (CL-ML)- Greenish grey (GLEY1 6/1/10Y), hard, +HCL		
SS 22	⊗	▲	14-16-17	18		78.2		SAA		
						145		Boring terminated at 150 feet		
					SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-4032A



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4033</b>		
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1141398.1 E 620348.8</b>		BEGUN <b>2/7/2007</b>		COMPLETED <b>2/9/2007</b>				
DRILLER <b>Melvin-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>149.4</b>		
GROUND EL. <b>219.9</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
						219.9						
SS 1	X	▲	8-6-10	18					<b>SAND, with silty clay (SP-SC)-</b> Red (10R 4/8), damp, fine grained, nonplstic, -HCL SAA except medium dense	Top of Barnwell Group at a depth of 0.0 feet		
SS 2	X		10-10-16	16				SAA except red (10R 4/6)				
SS 3	X	▲	12-17-24	18		214.4	5					
SS 4	X		10-15-14	15					<b>SAND, with silt (SP-SM)-</b> Red (10R 4/6), damp, dense, fine grained, non plastic, -HCL			
SS 5	X	▲	10-15-19	16		209.4	10		SAA except red (2.5YR 5/6), medium dense			
SS 6	X	▲	9-10-9	14		206.9	15		<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (5YR 6/6), moist, medium dense, fine grained, nonplastic, -HCL			
SS 7	X	▲	6-6-8	14					<b>*SAND, with silt (SP-SM)-</b> Weak red (10R 4/4), moist, medium dense, fine grained, nonplastic, -HCL			
SS 8	X	▲	10-15-18	9			20		SAA			
SS 9	X	▲					25		SAA except light red (10R 6/8), dense			
UD 1	■	□ ○		18		187.9	30		SAA except reddish yellow (7.5YR 6/6) Pocket penetrometer: 1.5 TSF	Water level depth at beginning of 2/8/2007 = 13.5 feet  Water level depth at beginning of 2/9/2007 = 46.0 feet Direct Push		
UD 2	■	○ □		13			35		<b>SAND, with silty clay (SP-SC)-</b> Reddish yellow (7.5YR 7/6) and brownish yellow (10YR 6/8), moist, low plasticity, -HCL Pocket penetrometer: 0.8 TSF	Direct Push		
UD 3	■	○		22		177.9	40		SAA except yellow (10YR 7/6) and yellow (10YR 7/8) Pocket penetrometer: 1.2 TSF	Direct Push		
SS 10	X	▲	8-9-8	18			45		<b>SAND, silty, clayey (SC-SM)-</b> Brownish yellow (10YR 6/8), moist, medium dense, fine grained, low plasticity, -HCL			
SS	X	▲	10-12-17	17					SAA except nonplastic to low plasticity			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4033**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4033
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11					167.9				
SS 12	⊗	▲	8-10-9	14		55		<b>SAND, clayey (SC)</b> - Reddish yellow (5YR 7/8), moist, medium dense, fine to medium grained, low plasticity, -HCL	
SS 13	⊗	▲	12-12-18	13		60		<b>SAND, silty (SM)</b> - Light red (2.5YR 7/8), moist, medium dense, fine to medium dense, nonplastic, -HCL	
SS 14	⊗	▲	3-5-5	23		65		<b>SAND, clayey (SC)</b> - Light red (2.5YR 7/8), moist, medium dense, fine to medium grained, low plasticity, -HCL	
SS 15	⊗	▲	4-2-3	22		70		<b>SAND, silty, clayey (SC-SM)</b> - Reddish yellow (5YR 7/6), moist, loose, fine to medium grained, low plasticity, -HCL	
SS 16	⊗	▲	25-20-27	21		75		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 8/2), moist, hard, fine grained SAND, medium plasticity, +HCL	
SS 17	⊗		50/1"	2		80		*SAA except low to medium plasticity, contains shell fragments	Top of Utley Limestone at a depth of 77.0 feet.
SS 18	⊗		49-50/2"	10		85		SAA except pale yellow (2.5Y 8/4)	
SS 19	⊗		27-50/5"	17		90		<b>CLAY, silty (CL-ML)</b> - Greenish grey (GLE Y1 5/10Y), moist, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 87.0 feet.
SS 20	⊗	▲	27-27-33	27		95		SAA	
SS 21	⊗	▲	19-27-37	26		100		SAA except greenish grey (GLE Y1 5/5GY), damp, nonplastic	
SS 22	⊗	▲	17-17-23	28		105		SAA except greenish grey (5/10Y)	
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4033

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-4033			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 23	⊗	▲				13-17-20	27		110		SAA except greenish grey (GLE Y1 6/5GY)		
SS 24	⊗					▲ 27-50/2"	9		115		SAA except greenish grey (GLE Y1 6/10Y), contains shell hash		
SS 25	⊗					▲ 19-50/4"	16		120		SAA		
SS 26	⊗					▲ 50/5"	11		97.9				
SS 26	⊗					▲ 50/5"	11		125		CLAY (CL)- Greenish grey (GLE Y1 6/10Y), moist, hard, low plasticity, +HCL		
SS 27	⊗					▲ 22-32-50/2"	22		92.9				
SS 27	⊗					▲ 22-32-50/2"	22		130		CLAY, silty (CL-ML)- Greenish grey (GLE Y1 7/10Y), moist, hard, low plasticity, +HCL		
SS 28	⊗					▲ 50/5"	12		87.9				
SS 28	⊗					▲ 50/5"	12		135		CLAY, silty, sandy (CL-ML)- Greenish grey (GLE Y1 6/10Y), moist, hard, medium plasticity, +HCL		
SS 29	⊗					▲ 24-32-50/2"	11		82.9				
SS 29	⊗					▲ 24-32-50/2"	11		140		CLAY, silty (CL-ML)- Greenish grey (GLE Y1 7/10Y), moist, hard, low plasticity, +HCL		
SS 30	⊗	▲				16-21-39	17		145		SAA except medium plasticity		
SS 31	⊗					▲ 14-50/5"	18		70.5				
SS 31	⊗					▲ 14-50/5"	18				SAA except greenish grey (GLE Y1 6/10Y), low to medium plasticity Boring terminated at 149.42 feet		
SITE								Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4033	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-4034</b>	
LOGGED BY <b>M. Harvey</b>				COORDINATES <b>N 1141375.7 E 620795.4</b>				BEGUN <b>2/17/2007</b>		COMPLETED <b>3/20/2007</b>	
DRILLER <b>Warren-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>6 Inches</b>		HAMMER SERIAL NUMBER <b>219505</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>222.8</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							











  

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80				222.8				
SS 1	X	▲		5-7-8	14	222.3		0	<b>GRAVEL (GP)</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet
SS 2	X	▲		6-7-9	18				<b>SAND, silty (SM)</b> - Red (10R 4/6) to yellow (10YR 7/8), dry, medium dense	
SS 3	X	▲		7-9-10	10		5		SAA	
SS 4	X	▲		10-12-11	14				SAA	
SS 5	X	▲		10-11-13	11	212.3	10		SAA	
SS 6	X	▲		12-14-17	10	209.8		10	<b>SAND, with silt (SP-SM)</b> - Reddish yellow (5YR 6/6), dry, medium dense	
SS 7	X	▲		2-8-12	10		15		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), wet, medium dense	
SS 8	X	▲		12-14-15	11	200.8	20		SAA except red (2.5YR 5/6), dry	
SS 9	X	▲		21-35-37	18	195.8	25		<b>*SAND, with silt (SP-SM)</b> - Yellowish red (5YR 5/8), wet, very dense	
UD 1	X	□			13.25	190.8	30		<b>SAND, silty (SM)</b> - Red (2.5YR 5/6) Pocket Penetrometer: 0.25 TSF	Direct Push
UD 2	X				13.5		35		<b>SAND, with clay (SP-SC)</b> - Yellowish red (5YR 5/8) Pocket Penetrometer: 1.25 TSF	Direct Push
UD 3	X				11.3	180.8	40		SAA Pocket Penetrometer: 0.5 TSF	Direct Push
SS 10	X	▲		3-5-6	10		45		<b>SAND, clayey (SC)</b> - Brown (7.5YR 5/8), moist, medium dense	
SS	X	▲		4-5-5	18				SAA except brownish yellow (10YR 6/6)	Installed 6" casing to a depth of 47.0 feet

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-4034</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-4034
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
11									
SS 12	▲		8-11-12	18		55		SAA except light reddish brown (5YR 6/4), damp	
SS 13	▲		8-4-6	18		60		CLAY, sandy (CL)- Reddish brown (2.5YR 5/4), moist, stiff	
SS 14	▲		18-19-24	10		65		SAND (SP)- Light yellowish brown (10YR 6/4), damp, dense	
SS 15	▲		10-9-11	14		70		SAND, clayey (SC)- Light red (2.5YR 6/6), damp, medium dense	
SS 16	▲		4-4-7	18		75		CLAY, sandy (CL)- Yellow (5Y 8/6), moist, stiff -HCL	
SS 17	▲		5-11-17	10		80		*SHELL HASH, clayey (GC)- Pale yellow (2.5Y 8/3), medium dense, +HCL	
SS 18	▲		18-17-24	18		85		*SHELL HASH, silty (GM)- Pale yellow (5Y 8/4), moist, dense, +HCL	
SS 19	▲		WOH/18"	0		90		NO RECOVERY	Water level depth at end of 2/17/07 = Ground surface
SS 20	▲		7-15-17	18		95		SAND (SP)- Yellow (10YR 7/6), wet, dense	Loss of circulation at a depth of 89.5 feet
SS 21	▲		7-50/1"	13		100		CLAY (CL)- Greenish gray (GLE Y 5/10Y), damp, hard	Top of Blue Bluff Marl at a depth 98.5 feet
SS 22	▲		17-24-24	18		105			Casing advanced to a depth of 104.0 feet End logging by M. Harvey.
						115.8			
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-4034

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-4034					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
UD 4		○					9.5		110		<b>*SILT, with shell hash and sand (MH)</b> - Dark greenish gray (GLE Y1 4/5GY), dry to damp, contains shell fragments and phosphate grains, +HCL	Begin logging by G. Pillappa.  End drilling by Warren-MACTEC. Graves drilling advanced casing to a depth of 104.0 feet Begin drilling by Banks-MACTEC with a CME-550, hammer serial #337153. Pitcher  Pitcher  Water level depth at end of 3/19/07 = Top of casing  Water level depth at beginning of 3/20/07 = 10.0 feet	
UD 5		○ — □					30		115		SAA except damp Pocket Penetrometer: >4.5 TSF		
									120		SAA Pocket Penetrometer: >4.5 TSF		
SS 23						▲ 9-38-50/1"	18		125		SAA except greenish gray (GLE Y 5/10GY), dry to damp		
SS 24		▲				10-11-24	18		130		SAA		
SS 25						▲ 24-38-50/2"	18		135		SAA		
SS 26						▲ 28-50/5"	16		140		SAA except greenish gray (GLE Y1 6/5GY), dry		
UD 6		⊕ — + □					32.5		80.8		<b>*CLAY, sandy (CL)</b> - Greenish gray (GLE Y1 5/5GY), damp, low plasticity, contains shell fragments and phosphate grains, +HCL Pocket Penetrometer: >4.5 TSF	Pitcher	
SS 27						▲	26-37-43	18	72.8		SAA		
									Boring terminated at 150 feet				



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4035</b>	
LOGGED BY <b>A. Reimer</b>				COORDINATES <b>N 1142729.1 E 620876.3</b>		BEGUN <b>2/8/2007</b>		COMPLETED <b>2/27/2007</b>			
DRILLER <b>Warren-A.E. Drilling</b>				DRILL MAKE AND MODEL <b>CME-750</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>328848</b>		TOTAL DEPTH <b>164.8</b>	
GROUND EL. <b>220.5</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					220.5				
SS 1	▲		5-9-6	16			219.0			<b>GRAVEL (GP)</b> - Brown (7.5YR 4/3) and dark brown (7.5YR 3/4), moist, medium dense, nonplastic, -HCL	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet
SS 2	▲		7-7-10	18			217.3			<b>SAND, silty, clayey (SC-SM)</b> - Brown (7.5YR 4/4) and red (2.5YR 4/8), damp, medium dense, fine to medium grained, nonplastic	
SS 3	▲		8-8-5	8			215.0	5		<b>SAND (SP)</b> - Yellowish red (5YR 5/8), dry, medium dense, fine to medium grained, nonplastic, -HCL	
SS 4	▲		3-3-3	16						<b>SAND, silty, clayey (SC-SM)</b> - Yellowish red (5YR 5/8) and strong brown (7.5YR 5/8), dry to damp, loose, fine to medium grained, nonplastic, -HCL	
SS 5	▲		3-3-5	8			210.0	10		SAA except strong brown (7.5YR 5/8), reddish brown (5YR 4/4), and brownish yellow (10YR 6/6), low plasticity	
SS 6	▲		2-3-5	0			207.5			<b>NO RECOVERY</b>	
SS 7	▲		7-10-8	3.5				15		<b>SAND, silty, clayey (SC-SM)</b> - Strong brown (7.5YR 5/8) and reddish brown (5YR 4/4), damp, medium dense, medium grained, nonplastic, -HCL	
SS 8	▲		5-5-6	13				20		SAA except strong brown (7.5YR 5/8) and yellow (10YR 8/6), fine to medium grained, low plasticity	
SS 9	▲		6-4-5	4				25		SAA	
SS 10	▲		4-4-5	18			193.5			<b>CLAY, sandy (CL)</b> - Brownish yellow (10YR 6/6), damp, stiff, low plasticity, fine to medium grained SAND, -HCL	
SS 11	▲		2-3-5	18				35		SAA except loose, low to medium plasticity	
SS 12	▲		6-6-8	0			183.5			<b>NO RECOVERY</b>	
SS 13	▲		2-3-3	17			178.5	45		<b>SAND, silty, clayey (SC-SM)</b> - Pale yellow (2.5Y 7/4), damp, medium dense, fine to medium grained, nonplastic to low plasticity, -HCL	
SS	▲		4-5-6	17						SAA except yellow (2.5Y 7/4), pale yellow (2.5Y 8/3) and brownish yellow (10YR 6/6),	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4035**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-4035
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14							low plasticity, contains CLAY lenses		
SS 15	▲		5-9-11	14	55		SAA except yellow (2.5Y 7/4) and pale yellow (2.5Y 8/3), moist		
					163.5				
SS 16	▲		19-20-26	16	60		*CLAY, with sand (CL)- Pale yellow (2.5Y 8/2), moist, hard, low plasticity, contains shell fragments, +HCL		
SS 17	▲		4-23-50/3"	18	65		SAA		
					153.5			Loss of circulation at a depth of 66.0 feet	
SS 18	▲		6-10-13	18	70		SAND, clayey (SC)- Pale yellow (5Y 8/4), damp to moist, medium dense, medium to coarse grained, low plasticity, contains shell fragments, +HCL		
SS 19	▲		14-14-16	15	75		SAA except dense, fine to medium grained, nonplastic to low plasticity	Installed 6" steel casing to a depth of 69.0 feet	
SS 20	▲		7-8-11	18	80		SAA except damp, medium dense, nonplastic		
					138.5				
SS 21	▲		50/0.5"	0	85		NO RECOVERY	Top of Utley Limestone at a depth of 82.0 feet	
					134.5				
SS 22	▲		5-5-8	22	90		CLAY, silty (CL-ML)- Pale olive (5Y 6/3) and greenish gray (GLE Y1 5/10Y), damp, stiff, nonplastic to low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 86.0 feet	
					95			Water level depth at beginning of 2/26/07 = 26.0 feet Advanced casing to a depth of 95.0 feet	
UD 1	○			26	100		SAA except greenish gray (GLE Y1 5/10Y) and (GLE Y2 6/10GY), dry to damp, medium plasticity Pocket Penetrometer: >4.5 TSF SAA except greenish gray (GLE Y2 6/10GY), low plasticity	End logging by A. Reimer. Begin logging by L. Davis. Pitcher	
UD 2	○ + □			23	105		*SILT (MH)- Greenish gray (GLE Y1 5/10Y), damp, low plasticity, +HCL Pocket Penetrometer: >4.5 TSF	Pitcher	
					113.5				
				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-4035	

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-4035					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 23	⊗					▲ 12-50/3"	15		110		CLAY, silty with sand (CL-ML)- Greenish gray (GLEY1 5/5GY), damp, hard, low plasticity, +HCL	Water level depth at beginning of 2/27/07 = 13.0 feet	
SS 24	⊗			▲		29-35-33	23		115		*CLAY, silty (CL-ML)- Greenish gray (GLEY2 5/5GY), damp, hard, medium plasticity, +HCL		
SS 25	⊗					▲ 45-50/5"	18		120		*SAA except greenish gray (GLEY1 6/10Y) and contains shell hash		
SS 26	⊗					▲ 33-50/5"	16		125		*CLAY, sandy (CL)- Greenish gray (GLEY1 6/10Y), damp, hard, low plasticity, +HCL		
SS 27	⊗			▲		10-21-44	26		130		SAA		
SS 28	⊗					▲ 50/5"	9		135		SAA		
SS 29	⊗					▲ 3-27-50/4"	24		140		SAA except light greenish gray (GLEY1 7/10Y), moist		
SS 30	⊗			▲		13-15-21	26		145		SAA		
UD 3	■	⊖ - + □					18		150		SAA except damp Pocket Penetrometer: >4.5 TSF		
SS 31	⊗					▲ 22-50/5"	16		155		SAA except moist		
SS 32	⊗			▲		10-12-16	28		160		SAA except light greenish gray (GLEY2 7/5GY), damp, very stiff, low to medium plasticity		
SS	⊗					▲ 2-30-50/4"	12				SAND, silty (SP-SM)- Dark greenish gray	Top of Still Branch Formation at a depth of 162.0 feet	
SITE								Vogle Units 3 & 4 COL Project				HOLE NO.	
								Final Log				B-4035	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 4 OF 4		HOLE NO. B-4035		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
33	X							55.7				(GLEY1 4/5GY), moist, very dense, nonplastic, -HCL Boring terminated at 164.83 feet	
<div style="display: flex; justify-content: space-between;"> <div>           SITE  <b>Vogtle Units 3 &amp; 4 COL Project</b>  <b>Final Log</b> </div> <div>           HOLE NO.  <b>B-4035</b> </div> </div>													

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-4036</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142457.2 E 620876.3</b>		BEGUN <b>11/13/2006</b>		COMPLETED <b>11/15/2006</b>			
DRILLER <b>Oglesby-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>5 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>170.0</b>	
GROUND EL. <b>218.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				218.1					
SS 1	X	▲	6-6-8	14		217.9			<b>SAND, silty (SM)</b> - Black (N2 5/1), damp, loose, contains organics	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.6 feet	
SS 2	X	▲	10-9-8	18		217.5		<b>GRAVEL (GP)</b> - Dark grey (7.5YR 4/1), damp, loose, contains organics			
SS 3	X	▲	7-6-9	15		215.3		<b>SAND (SP)</b> - Red (2.5YR 5/6), moist, medium dense, very fine to fine grained SAA except reddish yellow (5YR 6/6)			
SS 4	X	▲	8-9-12	18		212.6	5	<b>SAND, clayey (SC)</b> - Red (10R 4/8), moist, medium dense, fine grained			
SS 5	X	▲	9-12-17	18			10	<b>SAND, silty (SM)</b> - Red (10R 4/6), moist, medium dense, very fine to fine grained SAA			
SS 6	X	▲	8-10-11	16			15	SAA except red (10R 5/8)			
SS 7	X	▲	8-8-9	16			15	SAA except yellowish red (5YR 5/8)			
						201.1					
SS 8	X	▲	6-12-17	14		199.1	20	<b>CLAY, with sand (CL)</b> - Red (10R 4/6), moist, medium stiff to stiff, fine grained, low plasticity			
SS 9	X	▲	14-13-17	12			25	<b>SAND, silty (SM)</b> - Red (2.5YR 5/8), moist, medium dense, fine to medium grained			
								SAA red (2.5YR 5/8) and brownish yellow (10YR 6/8), except medium dense to dense			
SS 10	X	▲	5-6-8	18		189.1	30	SAA			
						186.1		<b>CLAY (CL)</b> - Yellowish brown (10YR 5/8), moist, stiff, contains SAND lenses 1 to 2mm thick			
SS 11	X	▲	4-6-8	16			35	<b>SAND, silty (SM)</b> - Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained			
						181.1					
SS 12	X	▲	3-5-5	18			40	<b>CLAY, sandy (CL)</b> - Light yellowish brown (2.5Y 6/4), moist, stiff, very fine to fine grained			
SS 13	X	▲	3-5-5	18			45	SAA except contains zones of CLAY			
						171.1					
SS	X	▲	2-2-5	18				<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), moist, loose, very fine to fine grained, contains			



PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4036**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 2 OF 4		HOLE NO. B-4036				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14												manganese staining		
SS 15	⊗	▲					4-4-7	18		55		SAA except medium dense, contains CLAY lenses (pale yellow (5Y 7/4), low plasticity, 2mm thick)		
SS 16	⊗	▲					5-8-10	12		60		SAA except very pale brown (10YR 7/4), moist, medium dense, fine to medium grained		
									156.4					
SS 17	⊗	▲					1-2-2	17		65		SILT, sandy (ML)- Pale yellow (5Y 7/3), moist, soft, fine to coarse grained, contains white shell fragments		
SS 18	⊗	▲					1-1-1	12		70		SAA except very soft, medium to coarse grained SAND	Loss of circulation at a depth of 68.0 feet Water level depth at beginning of 11/14/2006 = 62.5 feet	
									146.1					
SS 19	⊗	▲					4-6-4	18		75		SAND (SP) - Pale yellow (2.5Y 7/4), wet, medium dense, fine to coarse grained	Installed 3.25" steel casing to a depth of 74.0 feet. Changed to 2 7/8" drill bit.	
SS 20	⊗	▲					7-10-14	16		80		SAA except pale yellow (5Y 7/3), very fine to fine grained		
									136.1					
SS 21	⊗	▲					13-15-22	16		85		SAND (SP) - Pale yellow (5Y 7/3), wet, dense, very fine to fine grained	Top of Utley Limestone at a depth of 82.0 feet Circulation returned at a depth of 82.0 feet.	
									131.1					
SS 22	—						50/0.5"	0		90		NO RECOVERY		
									127.1					
SS 23	⊗			▲			8-15-37	18		95		SILT, sandy (ML)- Dark greenish grey (5GY 4/1), moist, hard, very fine grained, nonplastic to low plasticity	Top of Blue Bluff Marl at a depth of 91.0 feet	
SS 24	⊗						40-50/2"	8		100		SAA		
SS 25	⊗						13-50/0"			105		SAA except greenish grey (10Y 5/1)		
SITE									Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-4036	

GEOTECHNICAL LOG			PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-4036	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	12-14-17	18		110		SAA except contains white shell fragments	Water level depth at end of 11/14/2006 = 30.0 feet  Water level depth at beginning of 11/15/2006 = 51.0 feet	
SS 27	⊗		2-39-50/5.5"	17.5		115		SAA		
SS 28	⊗		12-50/5"	11		120		SAA		
SS 29	⊗		50/4"	4		125		SAA		
SS 30	⊗		50/4"	2		130		SAA except dry to damp		
SS 31	⊗		50/1"	1		135		SAA except damp		
SS 32	⊗		35-50/2"	8	81.1	140		CLAY, silty (CL-ML)- Greenish grey (10Y 5/1), moist, hard, very fine grained, low to medium plasticity		
SS 33	⊗		50/3"	3		145		SAA except low plasticity		
SS 34	⊗	▲	15-27-36	18		150		SAA		
SS 35	⊗	▲	21-23-35	18	66.1	155		*SILT (ML)- Greenish grey (10Y 6/1), moist, hard, contains trace very fine grained SAND, low plasticity		
SS 36	⊗	▲	18-16-20	18		160		*CLAY (CL)- Greenish grey (10Y 6/1), moist, hard, contains trace very fine grained SAND, low plasticity		
SS	⊗	▲	16-11-13	18				SAA except very stiff, contains white shell		
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log				B-4036	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>4 OF 4</b>	HOLE NO. <b>B-4036</b>
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % <div style="display: flex; justify-content: space-around; font-size: small;"> <span>20</span> <span>40</span> <span>60</span> <span>80</span> </div>	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37	X				52.1	165		fragments	Top of Still Branch Formation at a depth of 166.0 feet Water level depth at end of 11/15/2006 = 28.0 feet Water level depth at beginning of 11/16/2006 = 66.2 feet
SS 38	X	▲	9-16-15	18	48.1	170		<b>SAND, silty (SM)</b> - Dark greenish grey (5Y 4/1) and grey (2.5Y 5/1) and very dark grey (2.5Y 3/1), wet, dense, fine to medium grained, contains white shell fragments Boring terminated at 170 feet	

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-4036**



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-5001</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1146177.1 E 621807.7</b>		BEGUN <b>3/16/2007</b>		COMPLETED <b>3/20/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>219.0</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						219.0					
SS 1	▲		WOH/6"-1-	5		216.8			<b>SAND (SP)</b> - Brown (7.5YR 4/4), moist, very loose, fine to medium grained, contains silt and organics	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		1-3-6	18		215.8		SAA except yellowish red (5YR 5/8), loose			
SS 3	▲		6-5-5	15			5	<b>CLAY, sandy (CL)</b> - Yellowish red (5YR 5/8), moist, stiff, low plasticity			
SS 4	▲		3-3-3	12				<b>SAND, with clay (SP-SC)</b> - Yellowish red (5YR 5/8), moist, loose to medium dense, fine to medium grained			
SS 5	▲		4-4-5	11		208.5	10	SAA except yellow (10YR 7/8) to yellowish red (5YR 5/8), fine grained, contains clay lenses			
SS 6	▲		4-4-5	17				<b>CLAY, sandy (CL)</b> - Pale yellow (5Y 7/4), moist, stiff, low plasticity, fine to medium grained SAND			
SS 7	▲		3-3-4	18		202.0	15	SAA except fine grained SAND			
SS 8	▲		4-7-9	17		198.0	20	<b>SAND, silty, clayey (SC-SM)</b> - Yellow (10YR 7/6), moist, medium dense, low plasticity, -HCL	End logging by B. Sharp. Begin logging by L. Davis.		
SS 9	▲		4-6-10			192.0	25	<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, medium dense, low plasticity, +HCL			
SS 10	▲		15-9-38			187.0	30	<b>*CLAY, silty, sandy (CL-ML)</b> - Yellow (2.5Y 8/6), moist, hard, medium plasticity, contains shell fragments, +HCL	Loss of circulation at a depth of 33.0 feet Installed 3" steel casing to a depth of 15.0 feet		
SS 11	▲		5-7-10			182.0	35	<b>SAND, with silty clay (SP-SC)</b> - Pale yellow (2.5Y 8/4), moist, medium dense, low plasticity, +HCL			
SS 12	▲		5-8-8	24		177.0	40	<b>SAND, clayey (SC)</b> - Yellow (2.5Y 8/6), moist, medium dense, low plasticity, +HCL			
SS 13	▲		11-18-18	17		172.0	45	<b>*CLAY, silty (CL-ML)</b> - Pale yellow (5Y 8/3), moist, hard, medium plasticity, contains cemented fragments, +HCL	Advanced casing to a depth of 45.0 feet		
SS	▲		18-21-18	18				<b>*SAND, silty, clayey (SC-SM)</b> - Pale yellow (2.5Y 8/4), moist, dense, low plasticity.			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-5001**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-5001
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						167.0		contains shell fragments, +HCL		
SS 15	⊗	▲	19-17-15	13		55		<b>SAND, with silty clay (SP-SC)-</b> Pale green (GLEY 8/2), moist, medium dense, nonplastic, +HCL		
SS 16	⊗	▲	14-19-18	18		60		<b>*CLAY, silty, sandy (CL-ML)-</b> Pale yellow (2.5Y 8/2), moist, hard, medium plasticity, contains shell fragments, +HCL		
SS 17	⊗	▲	9-10-22	18		65		<b>*SAA</b> except pale yellow (2.5Y 8/2)		
SS 18	⊗	▲	50/2"	2		70		<b>*SAND, with clay (SP-SC)-</b> Pale green (2.5Y 8/2), moist, very dense, low plasticity, contains shell fragments, +HCL		
SS 19	⊗	▲	10-30-50/3"	17		75		<b>SAND, clayey (SC)-</b> Pale yellow (2.5Y 8/2), moist, very dense, medium plasticity, +HCL		
SS 20	⊗	▲	10-18-17	12		80		<b>SAND (SP)-</b> Very pale yellow (10YR 8/2), moist, medium dense, nonplastic, +HCL		
SS 21	⊗	▲	8-11-14	14		85		<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 8/6), moist, medium dense, fine to medium grained, nonplastic, +HCL		
SS 22	⊗	▲	5-8-12	15		90		<b>SAND, with silty clay (SP-SC)-</b> Yellow (10YR 8/6), moist, medium dense, fine grained, low plasticity, +HCL		
SS 23	⊗	▲	8-10-11	14		95		<b>SAA</b>		
SS 24	⊗	▲	18-5-6	12		100		<b>*CLAY, silty, sandy with shells (CL-ML)-</b> Reddish yellow (7.5Y 8/6), moist, stiff, medium plasticity, +HCL	Loss of circulation at a depth of 99.0 feet	
SS 25	⊗	▲	6-8-14	21		105		<b>CLAY, silty with sand (CL-ML)-</b> Greenish gray (GLEY 5/10GY), damp, very stiff, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 102.0 feet Advanced casing to a depth of 105.0 feet	
						112.0				
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-5001	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-5001		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗					▲ 17-50/4"	9		110		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 5/5G), damp, hard, low plasticity, +HCL	Water level depth at beginning of 03/20/07 = 49.0 feet  Advanced casing to a depth of 110.0 feet	
SS 27	⊗					▲ 8-50/6"	14		107.0		<b>CLAY, silty with sand (CL-ML)</b> - Greenish gray (GLEY1 5/5G), damp, hard, medium plasticity, +HCL		
SS 28	⊗	▲				8-14-19	23		102.0		<b>SILT, with sand (ML)</b> - Greenish gray (GLEY1 6/5G), damp, hard, low plasticity, +HCL		
SS 29	⊗					▲ 3-23-50/6"	22		97.0		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEY1 6/10Y), damp, hard, low plasticity, +HCL		
SS 30	⊗	▲				11-14-15	26		125		SAA except grayish green (GLEY1 4/2), very stiff		
SS 31	⊗					▲ 23-50/1"	8		130		SAA except greenish gray (GLEY1 6/10Y), hard		
SS 32	⊗			▲		14-15-43	26		135		<b>CLAY (CL)</b> - Light greenish gray (GLEY1 7/10Y), damp, hard, low plasticity, +HCL		
SS 33	⊗		▲			14-14-24	28		82.0		SAA		
SS 34	⊗		▲			19-23-22	28		145		SAA except light greenish gray (GLEY1 7/5GY), medium plasticity		
									69.0		Boring terminated at 150 feet		
SITE								Vogtle Units 3 & 4 COL Project				HOLE NO.	
								Final Log				B-5001	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-5002</b>			
LOGGED BY <b>G. Pillappa</b>			COORDINATES <b>N 1146339.8 E 621808.3</b>			BEGUN <b>3/13/2007</b>		COMPLETED <b>3/14/2007</b>			
DRILLER <b>Banks-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>5 Inches</b>	HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>150.0</b>			
GROUND EL. <b>241.5</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80					241.5				
SS 1	▲		1-2-1	18						<b>SAND, silty (SM)</b> - Strong brown (7.5YR 4/6), dry, very loose, fine grained, nonplastic, contains organics	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		1-1-1	18						SAA except yellowish red (5YR 5/8)	
SS 3	▲		2-2-2	5			5			SAA except red (2.5YR 4/8)	
SS 4	▲		2-2-3	11						SAA except loose	
SS 5	▲		3-2-4	14			10			SAA	
SS 6	▲		2-4-6	13						SAA	
SS 7	▲		6-8-10	11			15			SAA except medium dense	
SS 8	▲		5-6-6	14			20			SAA except yellowish red (5YR 5/8), damp, medium dense, low plasticity, contains CLAY traces	
SS 9	▲		9-22-24	17			219.5			<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp, dense, fine grained, low plasticity	
SS 10	▲		6-7-8	11			30			SAA except yellow (10YR 7/6), dry to damp, medium dense	
SS 11	▲		2-3-4	18			209.5			<b>CLAY, sandy (CL)</b> - Yellow (2.5Y 7/6), damp, medium stiff, medium plasticity, fine grained SAND, -HCL	
SS 12	▲		2-2-3	18			40			SAA except pale yellow (5Y 7/4)	
SS 13	▲		4-4-5	18			45			SAA except stiff	
SS	▲		5-6-12	18			194.5			<b>CLAY, with sand (CL)</b> - Pale yellow (5Y 7/4), damp, very stiff, low plasticity, contains fine	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-5002**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-5002
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14						189.5		grained SAND traces, +HCL	
SS 15	⊗	▲	10-12-14	11		55		SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, medium dense, fine to medium grained, contains shell fragment, +HCL	Loss of circulation at a depth of 55.0 feet
SS 16	⊗		WOH/12"-1	18		184.5		CLAY, silty with sand (CL-ML)- Pale yellow (5Y 7/4), damp, medium stiff, contains shell fragments, +HCL	
SS 17	⊗	▲	5-6-6	18		65		SAA except stiff, low plasticity	Installed 3" steel casing to a depth of 65.0 feet
SS 18	⊗	▲	11-15-13	16		70		SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, medium dense, fine grained, contains shell fragments, +HCL	
SS 19	⊗	▲	26-37-25	15		75		SAA except very dense	
SS 20	⊗	▲	11-17-15	18		80		SAA except dense, low plasticity	
SS 21	⊗	▲	39-25-17	18		85		SAA	
SS 22	⊗	▲	13-37-17	15		90		SAA except very dense	
SS 23	⊗	▲	10-13-11	14		95		SAA except very pale brown (10YR 8/2), medium dense	
SS 24	⊗		50/4"	2		100		SAA except very dense	
SS 25	⊗	▲	27-38-26	14		105		SAND, with silt (SP-SM)- Pale yellow (5Y 8/3), damp, very dense, fine grained, nonplastic, +HCL	
						139.5			
						134.5			
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-5002

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-5002
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	10-15-12	18		110		<b>SAND, clayey (SC)</b> - Light gray (10YR 7/2), damp, medium dense, fine grained, low plasticity, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 127.0 feet	
SS 27	⊗	▲	10-15-16	18		115		SAA		
SS 28	⊗	▲	10-37-31	18	124.5	120		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 8/3), damp, hard, contains shell fragments, +HCL		
SS 29	⊗	▲	9-50/3"	9		125		SAA		
SS 30	⊗	▲	7-11-16	18	114.5	130		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GELY1 5/5GY), dry, very stiff, low plasticity, contains shell fragments and fine sand trace, +HCL		
SS 31	⊗	▲	9-31-33	18		135		SAA except hard		
SS 32	⊗	▲	50/1"	1		140		SAA except damp		
SS 33	⊗	▲	9-17-20	18		145		SAA except contains sand seams		
SS 34	⊗	▲	13-23-34	18	91.5	150		SAA		
								Boring terminated at 150.0 feet		
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.	
					Final Log				B-5002	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-5003</b>		
LOGGED BY <b>G. Pillappa</b>			COORDINATES <b>N 1146386.6 E 621574.7</b>			BEGUN <b>3/14/2007</b>		COMPLETED <b>3/15/2007</b>		
DRILLER <b>Banks-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-550</b>		HOLE DIAMETER <b>6 Inches</b>	HAMMER SERIAL NUMBER <b>337153</b>		TOTAL DEPTH <b>148.7</b>		
GROUND EL. <b>227.9</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	▲		1-2-2	16		227.9			Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		1-1-1	18				SAND, silty (SM)- Strong brown (7.5YR 4/6), dry, very loose, fine grained, nonplastic, contains organics		
SS 3	▲		1-2-2	17		5		SAA except yellowish red (5YR 5/6), contains no organics		
SS 4	▲		2-2-2	14				SAA except strong brown (7.5YR 5/6), damp		
SS 5	▲		2-2-3	13		10		SAA except strong brown (7.5YR 5/8)		
SS 6	▲		2-2-3	13				SAA except yellowish red (5YR 5/8), loose		
SS 7	▲		2-5-7	16		15		SAA except medium dense		
SS 8	▲		5-7-10	13				SAA except strong brown (7.5YR 5/8)		
SS 9	▲		5-11-17	13		20		SAA except yellowish red (5YR 5/8)		
SS 10	▲		11-15-20	11		25		SAA except dense		
SS 11	▲		8-12-12	12		30		SAA except medium dense, contains trace phosphate grains		
SS 12	▲		15-23-27	12		35		SAND, with silt (SP-SM)- Brownish yellow (10YR 6/8), damp, very dense, fine grained, nonplastic, -HCL		
SS 13	▲		9-10-7	17		40		SAND, clayey (SC)- Brownish yellow (10YR 6/8) to pale yellow (5Y 7/3), damp, medium dense, fine grained, low plasticity		
SS	▲		4-9-7	16		45		SAA		
SS	▲		3-3-5	18		180.9		CLAY, sandy (CL)- Light yellowish brown (2.5Y 6/4), damp, medium stiff, low plasticity.		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-5003**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-5003
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								fine grained SAND	
SS 15	▲		2-3-6	18		55		SAA except brownish yellow (10YR 6/6), stiff	
SS 16	▲		2-3-6	18		60		SAA	Loss of circulation at a depth of 57.0 feet
SS 17	▲		4-5-6	11	165.9	65		SAND, clayey (SC)- Brownish yellow (10YR 6/6), damp, medium dense, fine grained low plasticity, contains SAND seams	
SS 18	▲		2-2-2	15		70		SAA except very loose, contains trace phosphate grains and shell fragments, -HCL	
SS 19	▲		2-4-4	12.5		75		SAA except light yellowish brown (10YR 6/4), loose	Installed 3" steel casing to a depth of 75.0 feet
SS 20	▲		2-3-6	17		80		SAA except pale brown (10YR 6/3), medium plasticity	
SS 21	▲		5-6-6	15		85		SAA except medium dense	
SS 22	▲		5-5-7	14		90		SAA except brownish yellow (10YR 6/6)	
SS 23	▲		14-20-22	9		95		SAND, with silt (SP-SM)- Very pale brown (10YR 7/4), damp, dense, fine grained, nonplastic	Water level depth at end of 3/14/07 = Top of casing
SS 24	▲		7-9-9	14		100		SAND, with clay (SP-SC)- Very pale brown (10YR 7/3), damp, medium dense, fine grained, nonplastic, -HCL	Water level depth at beginning of 3/15/07 = 75.0 feet
SS 25	▲		5-7-7	14		105		SAA	
					120.9				
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-5003



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-5003					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING		
SS 26	⊗	▲				6-5-36			17			110		SAND, clayey (SC)- Pale yellow (5Y 8/3), damp, dense, fine to medium grained, low plasticity, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 117.0 feet	
SS 27	⊗	▲				14-1-1			9			115		SAA except light gray (5Y 7/2), very loose		
SS 28	⊗		▲			7-12-16			18			120		*CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/10GY), dry to damp, very stiff, low plasticity, contains trace phosphate grains and shell fragments, +HCL		
SS 29	⊗				▲	14-24-50/1"			18			125		SAA except hard		
SS 30	⊗				▲	13-14-50/5"			18			130		SAA		
SS 31	⊗		▲			7-12-19			18			135		SAA		
SS 32	⊗				▲	16-16-26			18			140		SAA except greenish gray (GLE Y1 5/5GY)		
SS 33	⊗		▲			12-16-20			18			145		SAA except greenish gray (GLE Y1 5/10GY)		
SS 34	⊗				▲	50/2"			4.5		79.2			SAA except greenish gray (GLE Y1 6/5GY) Boring terminated at 148.7 feet		
SITE										Vogtle Units 3 & 4 COL Project Final Log					HOLE NO. B-5003	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-5004</b>	
LOGGED BY <b>S. Woodham</b>		COORDINATES <b>N 1146547.8 E 621568.4</b>		BEGUN <b>3/14/2007</b>		COMPLETED <b>3/15/2007</b>			
DRILLER <b>White-MACTEC</b>		DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>149.8</b>	
GROUND EL. <b>236.6</b>		DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					236.6				
SS 1	▲		WOH/6"-1-	16				<b>SAND, with silt (SP-SM)-</b> Light yellowish brown (2.5Y 6/4), damp, very loose, fine grained, contains organics	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		WOH/6"-1-	14				SAA except contains no organics	
SS 3	▲		2-1-2	16	231.1	5		SAA except strong brown (7.5YR 5/6)	
SS 4	▲		2-3-6	15				<b>SAND, silty, clayey (SC-SM)-</b> Red (10R 4/6), damp, loose, fine grained	
SS 5	▲		6-9-11	14		10		SAA except medium dense	
SS 6	▲		6-8-8	15	223.6			SAA	
SS 7	▲		8-12-13	16	219.6	15		<b>SAND, with silt (SP-SM)-</b> Red (2.5YR 5/8), damp, medium dense, fine grained	
SS 8	▲		11-14-12	15	214.6	20		<b>SAND, silty (SM)-</b> Red (2.5YR 5/8), damp, medium dense, fine grained	
SS 9	▲		4-10-11	13	212.1	25		<b>CLAY, with sand (CL)-</b> Yellow (10YR 7/6), damp, stiff, low plasticity	
SS 10	▲		9-13-10	16		30		<b>SAND (SP)-</b> Reddish yellow (7.5YR 6/6), damp, medium dense, fine to medium grained	
SS 11	▲		3-4-7	18	204.6	35		SAA	
SS 12	▲		2-3-4	18	199.6	40		<b>CLAY, sandy (CL)-</b> Yellow (2.5Y 7/8), damp, stiff	
SS 13	▲		1-3-3	18	194.6	45		<b>SAND, clayey (SC)-</b> Pale yellow (5Y 7/3), damp, loose, fine grained	
					189.6			<b>CLAY, sandy (CL)-</b> Pale yellow (5Y 7/3), damp, medium stiff, low plasticity	
SS	▲		50/5"	5				<b>*SHELL HASH, with clay and sand (GP-GC)</b> - Pale yellow (5Y 8/2), damp, hard, fine to	

PREPARED BY: A. TAYLOR	SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>	HOLE NO. <b>B-5004</b>
REVIEWED BY: P. DEPREE	<b>Final Log</b>	

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-5004
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					184.6			coarse grained SAND, +HCL	Loss of circulation at a depth of 50.0 feet
SS 15	⊗	▲	11-12-17	18		55		SAND, clayey (SC) - Pale yellow (5Y 8/2), damp, very stiff, fine to coarse grained, contains shell fragments, +HCL	Installed 4" steel casing to a depth of 58.5 feet
SS 16	⊗	▲	5-5-8	18		60		SAA except stiff, fine grained, contains no shell fragments	
SS 17	⊗	▲	10-10-10	14	174.6	65		*SHELL HASH, sandy with clay (GP-GC) Pale yellow (5Y 8/3), damp, medium dense, fine to coarse grained, +HCL	
SS 18	⊗	▲	10-15-27	18		70		SAA except pale yellow (5Y 7/3)	
SS 19	⊗	▲	3-20-50/5"	17		75		SAA	
SS 20	⊗	▲	8-12-6	18		80		SAA except yellow (2.5Y 8/6)	Water level depth at end of 3/14/07 = 10.0 feet
SS 21	⊗	▲	10-13-15	14	149.6	85		SAA except pale yellow (2.5Y 8/3)	
SS 22	⊗	▲	9-11-13	18		90		SAND, clayey (SC) - Very pale brown (10YR 7/3), damp, medium dense, fine to coarse grained, +HCL	
SS 23	⊗	▲	6-23-50/5"	17		95		SAA except pale yellow (2.5Y 8/2), very dense	
SS 24	⊗	▲	20-34-45	15	139.6	100		SAND, with silt (SP-SM) - Pale yellow (2.5Y 8/3), moist, very dense, fine to medium grained	
SS 25	⊗	▲	11-11-18	18	134.6	105		SAND, silty, clayey (SC-SM) - Pale yellow (2.5Y 7/4), moist, medium dense, fine grained, contains CLAY seams	Water level depth at beginning of 3/15/07 = 30.0 feet
SITE					Vogle Units 3 & 4 COL Project Final Log				HOLE NO. B-5004

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-5004				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲				11-15-14	17			110		SAA except pale yellow (2.5Y 7/3)	Top of Utley Limestone at a depth of 117.0 feet  Top of Blue Bluff Marl at a depth of 122.0 feet	
SS 27	⊗	▲				12-11-17	14			124.6		SAND, silty (SM)- Pale yellow (2.5Y 7/3), damp, medium dense, fine to medium grained, contains shell fragments		
SS 28	⊗					▲ 50/5"	5			119.6		SAND, clayey (SC)- Pale yellow (5Y 8/2), damp, very dense, fine to coarse grained, contains cemented shell fragments, +HCL		
SS 29	⊗	▲				10-12-18	20			114.6		CLAY (CL)- Dark greenish gray (GLE Y1 4/10Y), damp, hard, low plasticity, +HCL		
SS 30	⊗					▲ 15-18-50/5"	17			125		CLAY, silty, sandy (CL-ML)- Dark greenish gray (GLE Y1 4/5GY), damp, hard, low plasticity, contains cementation, +HCL		
SS 31	⊗					▲ 10-50/3"	12			130		SAA		
SS 32	⊗	▲				6-14-22	18			135		SAA except greenish gray (GLE Y1 5/10Y), contains no cementation		
SS 33	⊗					▲ 50/3"	3			140		CLAY (CL)- Greenish gray (GLE Y1 6/10Y), damp, hard, low plasticity, +HCL		
SS 34	⊗					▲ 19-27-50/4"	16			145		SAA		
												Boring terminated at 149.83 feet		
SITE									Vogtle Units 3 & 4 COL Project				HOLE NO.	
									Final Log				B-5004	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6002</b>	
LOGGED BY <b>B. Mabie</b>				COORDINATES <b>N 1144134.1 E 619626.9</b>				BEGUN <b>2/15/2007</b>		COMPLETED <b>2/16/2007</b>	
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>247.9</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						247.9				
SS 1	▲		WOH/6"-1-	9					<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/4), damp, very loose, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		3-4-3	12					SAA except loose, fine grained	
SS 3	▲		2-1-2	16		242.4	5		SAA except brownish yellow (10YR 6/4), moist, very loose	
SS 4	▲		2-6-8	12					<b>SAND, silty (SM)-</b> Strong brown (7.5YR 5/6), moist, medium dense, very fine grained, nonplastic, -HCL	
SS 5	▲		7-9-9	14		237.4	10		SAA	
SS 6	▲		6-12-14	16					<b>SILT, with sand (ML)-</b> Red (10R 4/8), damp, very stiff, nonplastic, -HCL	
SS 7	▲		6-7-12	14			15		SAA	
SS 8	▲		5-8-8	15		225.9	20		SAA except moist	Installed 3" steel casing to a depth of 20.0 feet
SS 9	▲		5-7-9	7			25		<b>SAND, silty (SM)-</b> Red (10R 4/8), wet, medium dense, fine grained, nonplastic, -HCL	
SS 10	▲		7-8-9	12		215.9	30		SAA	
SS 11	▲		4-5-5	14		210.9	35		<b>CLAY, silty, sandy (CL-ML)-</b> Very pale brown (10YR 8/2), moist, stiff, low plasticity, -HCL	
SS 12	▲		3-3-2	17		205.9	40		<b>SILT, sandy (ML)-</b> Very pale brown (10YR 8/2), wet, medium stiff, nonplastic, fine to medium grained SAND, -HCL	
SS 13	▲		2-2-3	18		200.9	45		<b>CLAY, silty (CL-ML)-</b> Light yellowish brown (2.5Y 6/3), moist, medium stiff, low plasticity, contains SAND lenses, -HCL	
SS	▲		3-19-14	18					<b>CLAY, silty with sand (CL-ML)-</b> Light yellowish brown (2.5Y 6/4), moist, very stiff,	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-6002</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6002
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14							low plasticity, -HCL		
SS 15	⊗	▲	5-17-5	16	190.9		SAA except light gray (2.5Y 7/2), contains shell fragments, +HCL		
SS 16	⊗		▲ 50/5"	16	60		<b>CLAY, silty (CL-ML)</b> - Light gray (2.5Y 7/2), moist, hard, low to medium plasticity, contains shell fragments, +HCL		
SS 17	⊗	▲	14-16-27	18	65		SAA except greenish gray (GLE Y1 5/10GY), low plasticity		
SS 18	⊗	▲	7-9-12	18	70		SAA except very stiff		
SS 19	⊗		▲ 50/1"	0.25	175.9		*SHELL HASH (GP)- Cemented shell fragments		
SS 20	⊗	▲	14-13-16	18	170.9		<b>SAND, with silty clay (SP-SC)</b> - Pale yellow (2.5Y 8/3), wet, medium dense, low plasticity, contains shell fragments, +HCL		
SS 21	⊗	▲	13-18-27	16	85		SAA except dense		
SS 22	⊗	▲	11-8-34	18	90		SAA		
SS 23	⊗	▲	5-8-10	18	155.9		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLE Y1 5/10GY), moist, very stiff, low to medium plasticity, contains minor shell fragments, +HCL		
SS 24	⊗	▲	18-25-29	18	150.9		<b>CLAY, silty with sand (CL-ML)</b> - Pale yellow (2.5Y 8/2), moist, hard, low plasticity, contains shell hash, +HCL		
SS 25	⊗	▲	16-23-19	18	100		SAA		
					105			Water level depth at end of 2/15/07 = 21.39 feet	
								Water level depth at beginning of 2/16/07 = 40.55 feet	
				SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.	
					Final Log			B-6002	





GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-6002
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗	▲	25-34-24	18		110		SAA except wet	
SS 27	⊗	▲	5-13-8	18		135.9			
SS 28	⊗	▲	4-7-13	18		115		<b>SAND, silty, clayey (SC-SM)</b> - Very pale brown (10YR 7/3), wet, medium dense, nonplastic to low plasticity, contains shell fragments, +HCL	
SS 29	⊗	▲	9-15-21	12		130.9			
SS 30	⊗	▲	19-19-35	16		120		<b>SAND, silty (SM)</b> - Very pale brown (10YR 7/3), wet, medium dense, nonplastic, contains shell fragments, +HCL	
SS 31	⊗	▲	33-14-17	18		125		SAA except dense	
SS 32	⊗	▲	10-12-50/4"	15		120.9			
SS 33	⊗	▲	12-14-50/5"	15		130		<b>SAND, with silty clay (SP-SC)</b> - Very pale brown (10YR 7/3), wet, very dense, nonplastic to low plasticity, contains shell fragments, +HCL	
SS 34	⊗	▲	6-8-19	18		115.9		<b>SAND, silty (SM)</b> - Very pale brown (10YR 7/3), wet, dense, nonplastic, contains shell fragments, +HCL	
						135		SAA except very dense, fine grained	
						140			
						105.9		<b>CLAY, silty with sand (CL-ML)</b> - Very pale brown (10YR 8/2), wet, hard, low plasticity, contains shell hash, +HCL	
						145			
						97.9		SAA except very stiff	
						150		Boring terminated at 150.0 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6002





GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-6003
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14										
SS 15	×		▲ 5-50/3"	15		55		SAA except light gray (2.5Y 7/2), hard, contains shell fragments		
					172.8					
SS 16	×		▲ 26-50/3"	6		60		CLAY, silty with sand (CL-ML)- Pale yellow (5Y 8/3), wet, hard, low plasticity, contains shell hash, +HCL		
					167.8					
SS 17	×	▲	11-12-13	16		65		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/2), wet, very stiff, low plasticity, contains shell hash, +HCL		
					162.8					
SS 18	×		▲ 6-50/5"	7		70		SAND, silty (SM)- Pale yellow (2.5Y 8/2), wet, very dense, nonplastic, contains shell fragments, +HCL		
					157.8					
SS 19	×	▲	4-6-6	18		75		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/2), moist, stiff, low plasticity, contains shell fragments, +HCL		
					152.8					
SS 20	×		11-16-28	18		80		SAND, with silt (SP-SM)- Light gray (2.5Y 7/2), wet, dense, nonplastic, contains shell hash, +HCL		
					147.8					
SS 21	×		5-18-20	16		85		SAND, silty, clayey (SC-SM)- Light gray (2.5Y 7/8), wet, dense, low plasticity, contains shell hash, +HCL		
SS 22	×	▲	8-10-11	18		90		SAA except medium dense		
					137.8					
SS 23	×	▲	6-7-11	18		95		SAND, with silt (SP-SM)- Very pale brown (10YR 7/3), wet, medium dense, nonplastic, contains shell fragments, +HCL		
SS 24	×	▲	6-7-9	18		100		SAA		
SS 25	×	▲	8-14-19	16		105		SAA except light gray (10YR 7/2), dense	Water level depth at end of 2/19/07 = 28.72 feet Water level depth at beginning of 2/20/07 = 32.45 feet	
SITE					Vogle Units 3 & 4 COL Project					HOLE NO.
					Final Log					B-6003

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 4		HOLE NO. B-6003			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26	⊗			▲		18-31-38	10		110		SAA except very pale brown (10YR 7/3), very dense, fine to medium grained		
SS 27	⊗			▲		25-29-31	9		115		SAA		
SS 28	⊗	▲				8-11-18	15		120		SAA		
SS 29	⊗								107.8				
SS 29	⊗						50/3"	0	125		NO RECOVERY		
SS 30	⊗								102.8				
SS 30	⊗						13-50/2"	7	130		SILT, with sand (ML)- Light greenish gray (GLEY1 7/10GY), wet, hard, nonplastic, contains shell hash, +HCL		
SS 31	⊗												
SS 31	⊗						12-50/5"	7	135		SAA		
SS 32	⊗			▲					93.0				
SS 32	⊗						16-19-47	18	140		CLAY, silty (CL-ML)- Greenish gray (GLEY1 5/5GY), moist, hard, low plasticity, contains minor shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 136.75 feet	
SS 33	⊗												
SS 33	⊗						50/5"	4	145		SAA		
SS 34	⊗												
SS 34	⊗						50/3"	2	150		SAA		
SS 35	⊗												
SS 35	⊗						16-32-50/3"	18	155		SAA except dark greenish gray (GLEY1 4/10GY)		
SS 36	⊗												
SS 36	⊗						18-50/3"	8	160		SAA		
SS	⊗			▲									
SS	⊗						11-16-38	18			SAA		
SITE								Vogtle Units 3 & 4 COL Project				HOLE NO.	
								Final Log				B-6003	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>4 OF 4</b>	HOLE NO. <b>B-6003</b>
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % <div style="display: flex; justify-content: space-around; font-size: small;"> <span>20</span> <span>40</span> <span>60</span> <span>80</span> </div>	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37	X					165			
SS 38	X		▲ 50/5"	5		170		SAA except greenish gray (GLEY1 6/5GY), contains cementation	
SS 39	X	▲				175		SAA except contains no cementation	
SS 40	X		▲ 36-50/5"	16	50.3			SAA Boring terminated at 179.42 feet	Water level depth at end of 2/20/07 = 82.74 feet
SITE						Vogtle Units 3 & 4 COL Project			HOLE NO.
						<b>Final Log</b>			<b>B-6003</b>



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 3</b>	HOLE NO. <b>B-6004</b>		
LOGGED BY <b>B. Mabie</b>			COORDINATES <b>N 1143718.2 E 619473.3</b>			BEGUN <b>2/22/2007</b>		COMPLETED <b>2/23/2007</b>		
DRILLER <b>White-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>		
GROUND EL. <b>231.6</b>			DEPTH/EL. GROUND WATER <b>▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20 40 60 80				231.6				
SS 1	▲		3-2-4	12		230.1			<b>SAND, with silt (SP-SM)-</b> Reddish yellow (7.5YR 6/6), dry, loose, fine grained, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		3-3-3	10		228.3			<b>SAND, silty (SM)-</b> Red (10R 4/4), damp, loose, fine grained, nonplastic, -HCL	
SS 3	▲		3-3-4	10			5		<b>SAND, with silty clay (SP-SC)-</b> Red (10R 4/4), damp, loose, fine grained, non to low plasticity, -HCL	
SS 4	▲		3-4-4	11		223.6			SAA	
SS 5	▲		5-6-6	12			10		<b>SAND, with silt (SP-SM)-</b> Red (10YR 4/4), medium dense, fine to medium grained, nonplastic, -HCL	
SS 6	▲		10-6-7	9					SAA	
SS 7	▲		3-5-6	8			15		SAA	
SS 8	▲		5-7-10	8			20		SAA	
SS 9	▲		4-5-7	10			25		SAA	
SS 10	▲		4-5-6	12		204.8			<b>SAND, silty (SM)-</b> Yellowish brown (10YR 5/6), medium dense, nonplastic, contains shell fragments, +HCL	
SS 11	▲		3-3-4	11		199.8			<b>CLAY, silty with sand (CL-ML)-</b> Light brownish gray (10YR 6/2), moist, medium stiff, low plasticity, contains fine grained SAND lenses and shell fragments, -HCL	
SS 12	▲		2-3-3	18			40		SAA except does not contain SAND lenses	
SS 13	▲		2-2-2	18		189.8			<b>SAND, silty, clayey (SC-SM)-</b> Light brownish gray (10YR 6/2), wet, very loose, low plasticity, contains shell fragments, +HCL	
SS	▲		5-7-17	18		184.8			<b>CLAY, silty (CL-ML)-</b> Light brownish gray (10YR 6/2), moist, very stiff, low plasticity,	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6004
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14								contains shell fragments, +HCL	
SS 15	▲		3-4-4	18		55		SAA except medium stiff	
SS 16	▲		2-3-3	18		60		SAA	
SS 17	▲		5-7-6	9	169.8	65		<b>SAND, with silt (SP-SM)-</b> Very pale brown (10YR 7/3), wet, medium dense, nonplastic, contains shell fragments, +HCL	
SS 18	▲		9-8-9	11	160.3	70		SAA	
SS 19	▲		19-8-10	18	154.8	75		<b>CLAY, silty with sand (CL-ML)-</b> Very pale brown (10YR 7/2), wet, very stiff, low plasticity, contains shell fragments, +HCL	
SS 20	▲		6-8-12	18	149.8	80		<b>SAND, silty (SM)-</b> Very pale brown (10YR 7/2), wet, medium dense, fine grained, nonplastic, contains shell fragment and CLAY traces, +HCL	
SS 21	▲		17-43-12	15		85		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 8/2), wet, very dense, fine to medium grained, nonplastic, contains shell fragment and cemented SAND grains, +HCL	
SS 22	▲		8-10-26	18	139.8	90		SAA except dense	
SS 23	▲		13-35-18	18	134.8	95		<b>CLAY, silty with sand (CL-ML)-</b> Very pale brown (10YR 8/2), wet, hard, low plasticity, contains shell fragments, +HCL	
SS 24	▲		15-21-32	18	129.8	100		<b>SAND, silty, clayey (SC-SM)-</b> Very pale brown (10YR 8/2), wet, very dense, non to low plasticity, contains shell fragments, +HCL	
SS 25	▲		14-10-10	14		105		<b>SAND, with silt (SP-SM)-</b> Very pale brown (10YR 8/2), wet, medium dense, fine to medium grained, nonplastic, contains shell fragments, +HCL	Installed 3" steel casing to a depth of
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6004

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-6004				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗			▲		8-22-28	10			110		SAA except dense	105.0 feet  Water level depth at end of 2/22/07 = 47.82 feet  Water level depth at beginning of 2/23/07 = 53.49 feet	
SS 27	⊗			▲		18-24-26	12			115		SAA		
SS 28	⊗	▲				8-12-15	8			120		SAA except medium dense		
SS 29	⊗		▲			8-14-18	16			109.8		<b>SAND, silty (SM)</b> - Very pale brown (10YR 8/2), wet, dense, fine grained, nonplastic, contains shell fragments, +HCL	Top of Blue Bluff Marl at a depth of 136.75 feet	
SS 30	⊗			▲		50/2"	0.125			130		SAA except cemented		
SS 31	⊗			▲		18-16-50/4"	10			99.8		<b>SILT, with sand (ML)</b> - Greenish gray (GEY1 6/10GY), wet, hard, nonplastic, contains shell fragments and CLAY traces, +HCL		
SS 32	⊗			▲		16-20-32	18			94.8		<b>CLAY, silty (CL-ML)</b> - Dark greenish gray (GEY1 4/10GY) moist, hard, low plasticity, contains shell fragments, +HCL	Boring terminated at 150.0 feet  Water level depth at end of 2/23/07 = 10.48 feet	
SS 33	⊗			▲		50/5"	7			140		SAA		
SS 34	⊗		▲			9-16-27	18			145		SAA		
										81.6				
									SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6004



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 4</b>		HOLE NO. <b>B-6005</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1143718.0 E 619873.8</b>		BEGUN <b>2/26/2007</b>		COMPLETED <b>2/27/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>178.8</b>	
GROUND EL. <b>242.6</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20    40    60    80				242.6					
SS 1	▲		1-2-3	13					<b>SAND, with silt (SP-SM)- Red (2.5YR 4/8), damp, loose, fine grained</b> SAA	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		3-3-4	12							
SS 3	▲		2-3-4	13			5		SAA except red (2.5YR 5/8)		
SS 4	▲		3-3-5	12					SAA		
SS 5	▲		2-3-4	14			10		SAA except strong brown (7.5YR 5/8), moist, fine to medium grained		
SS 6	▲		5-4-5	10					SAA except yellowish red (5YR 5/8)		
SS 7	▲		4-4-7	11			15		SAA except reddish yellow (5YR 6/8), medium dense, fine grained	Installed 3" steel casing to a depth of 13.5 feet	
SS 8	▲		4-6-8	8			20		SAA except red (2.5YR 5/6)		
						220.6					
SS 9	▲		5-7-8	9			25		<b>SAND (SP)- Reddish yellow (7.5YR 6/8), moist, medium dense, fine grained</b>		
						215.6					
SS 10	▲		5-6-6	8			30		<b>SAND, with silt (SP-SM)- Yellow (10YR 7/6), moist, medium dense, fine grained</b>		
						210.6					
SS 11	▲		5-7-9	12			35		<b>SAND, with clay (SP-SC)- Brownish yellow (10YR 6/8), moist, medium dense, fine to medium grained</b>		
						205.6					
SS 12	▲		1-2-3	18			40		<b>CLAY, with sand (CL)- Pale yellow (2.5Y 7/4), moist, medium stiff, medium to high plasticity, very fine grained SAND, -HCL</b>		
						200.6					
SS 13	▲		2-2-2	18			45		<b>SAND, clayey (SC)- Pale yellow (2.5Y 7/4), wet, loose, fine grained, low to medium plasticity, -HCL</b>		
						195.6					
SS	▲		6-9-9	2					<b>SAND, silty (SM)- Pale yellow (2.5Y 8/4), wet, medium dense, fine grained, nonplastic,</b>		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE



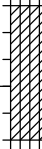
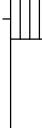
SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6005**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-6005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14					191.1			-HCL		
SS 15	⊗	▲	7-6-18	18		55		<b>SAND, clayey (SC)</b> - Light greenish gray (GLEY1 8/5GY), wet, medium dense, fine grained, medium plasticity, contains trace shell fragments, +HCL		
SS 16	⊗	▲	1-3-6	18		60		<b>CLAY (CH)</b> - Light greenish gray (GLEY1 8/5GY), wet, stiff, high plasticity, +HCL		
SS 17	⊗	▲	6-7-9	18		65		<b>CLAY, sandy (CH)</b> - Pale yellow (5Y 8/3), wet, very stiff, medium to high plasticity, +HCL		
SS 18	⊗		50/4"	4		70		<b>SAND, silty (SM)</b> - Pale yellow (5Y 8/3), wet, very dense, fine grained, contains shell fragments		
SS 19	⊗	▲	7-9-12	18		75		<b>CLAY, with sand (CH)</b> - Pale yellow (2.5Y 7/4), wet, very stiff, high plasticity, +HCL		
SS 20	⊗	▲	9-13-15	18		80		SAA except pale yellow (2.5Y 7/3), medium plasticity, contains shell fragments		
SS 21	⊗	▲	14-15-18	16		85		<b>SAND (SP)</b> - Pale yellow (2.5Y 8/2), wet, dense, fine grained, -HCL		
SS 22	⊗	▲	4-5-8	18		90		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/3), wet, medium dense, fine to medium grained, low to medium plasticity, +HCL	Water level depth at end of 2/26/07 = Top of casing	
SS 23	⊗	▲	13-8-10	18		95		<b>SAND, clayey (SC)</b> - Light greenish gray (GLEY1 8/10Y), wet, medium dense, fine to medium grained, low to medium plasticity, contains shell fragments, +HCL	Water level depth at beginning of 2/27/07 = 33.4 feet	
SS 24	⊗	▲	6-9-10	18		100		SAA except medium to coarse grained, low plasticity, contains no shells		
SS 25	⊗	▲	16-16-20	18		105		SAA except dense, fine to medium grained, contains shell fragments		
					SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6005</b>	



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-6005	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 26	⊗		▲ 13-50/4"	8		110		SAA except pale yellow (2.5Y 8/4), very dense, nonplastic to low plasticity, contains no shells	
SS 27	⊗	▲	10-12-12	16		115		SAA except yellow (2.5Y 8/6), medium dense, fine grained, low to medium plasticity	
SS 28	⊗	▲	8-9-21	18	125.6	120		<b>SAND, with clay (SP-SC)-</b> Yellow (2.5Y 8/6), wet, dense, fine grained, nonplastic, +HCL	
SS 29	⊗	▲	11-8-11	18		125		SAA pale yellow (2.5Y 8/4), medium dense, nonplastic to low plasticity	
SS 30	⊗	▲	5-11-16	18	115.6	130		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 8/2), wet, medium dense, fine to medium grained, +HCL	
SS 31	⊗	▲	8-16-11	18	110.6	135		<b>SAND, clayey (SC)-</b> Pale yellow (2.5Y 8/4), wet, medium dense, fine to medium grained, medium plasticity, +HCL	
SS 32	⊗	▲	20-19-20	18		140		SAA except pale yellow (2.5Y 8/3), dense, low plasticity, contain shell fragments	
SS 33	⊗	▲	9-35-22	12	100.6	145		<b>SAND, with clay (SP-SC)-</b> Pale yellow (2.5Y 8/2), wet, very dense, fine to medium grained, contains shell fragments	
SS 34	⊗	▲	15-26-36	18	95.1	150		<b>CLAY (CH)-</b> Dark greenish gray (GLE Y1 4/10GY), wet, hard, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 147.5 feet
SS 35	⊗	▲	20-20-21	18		155		SAA	
SS 36	⊗	▲	10-20-38	18		160		SAA except dark greenish gray (GLE Y1 6/10GY), contains trace shell fragments	
SS	⊗		▲ 20-25-50/5"	18				SAA except dark greenish gray (GLE Y1	
				SITE		Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-6005

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-6005
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
37	×					165	 5/10GY), contains no shells		
SS 38	×		▲ 50/3"	2	75.6	170	 SILT (ML) - Greenish gray (GLEY1 5/5GY), wet, hard, nonplastic, contains cementation, +HCL		
SS 39	×		▲ 6-18-50/3"	18	70.6	175	 CLAY, silty (CL-ML)- Greenish gray (GLEY1 6/5GY), wet, hard, high plasticity, +HCL		
SS 40	×		▲ 50/3"	3	65.6	63.8	 SILT (ML) - Greenish gray (GLEY1 5/10GY), wet, hard, nonplastic, contains cementation, +HCL Boring terminated at 178.75 feet		
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-6005

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project				JOB NO. 6141-06-0286		SHEET NO. 1 OF 2		HOLE NO. B-6006	
LOGGED BY S. Woodham				COORDINATES N 1143069.8 E 620301.8				BEGUN 3/13/2007		COMPLETED 3/13/2007			
DRILLER White-MACTEC				DRILL MAKE AND MODEL CME-55		HOLE DIAMETER 3 Inches		HAMMER SERIAL NUMBER 331145		TOTAL DEPTH 50.0			
GROUND EL. 248.2		DEPTH/EL. GROUND WATER ▽ / ▼ /		SITE: Vogtle Electric Generating Plant - Waynesboro, GA									
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING			
SS 1	▲		1-2-4	8	248.2			SAND, clayey (SC)- Yellowish red (5YR 5/6), damp, loose, fine grained	Top of Fill at a depth of 0.0 feet				
SS 2	▲		7-8-9	14	246.8			SAND, silty (SM)- Reddish brown (5YR 4/4), damp, medium dense, fine to coarse grained					
SS 3	▲		7-6-5	16		5		SAA except light yellowish brown (2.5Y 6/4), contains CLAY seams	Top of Barnwell Group at a depth of 27.0 feet  Loss of circulation at a depth of 30.0 feet				
SS 4	▲		6-11-13	14	240.2			SAA except strong brown (7.5YR 5/8), fine grained					
SS 5	▲		5-6-8	15		10		SAND, silty, clayey (SC-SM)- Yellowish red (5YR 4/6), damp, medium dense, fine grained					
SS 6	▲		3-5-7	14				SAA					
SS 7	▲		3-3-2	8		15		SAA except fine and coarse grained					
SS 8	▲		1-4-8	10	226.2			SAA except reddish brown (2.5YR 5/4), fine to very coarse grained					
SS 9	▲		5-9-14	13	221.2			SAND, silty (SM)- Brownish yellow (10YR 6/6), damp, medium dense, fine grained, contains GRAVEL layer					
SS 10	▲		3-5-6	15	216.2			SAND, silty, clayey (SC-SM)- Red (2.5YR 4/8), damp, medium dense, fine grained					
SS 11	▲		6-9-10	16	211.2			SAND, silty (SM)- Red (2.5YR 5/6), damp, medium dense, fine grained					
SS 12	▲		3-4-6	18	206.2			SAND, silty, clayey (SC-SM)- Red (2.5YR 5/8), damp, medium dense, fine to medium grained					
SS 13	▲		7-10-11	15	201.2			SAND, silty (SM)- Yellow (2.5Y 7/6), damp, medium dense, fine grained, contains CLAY seams					
SS	▲		2-4-6	12	198.2			CLAY, silty (CL-ML)- Brownish yellow (10YR 6/6), damp, stiff, low to medium					
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6006					

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6006		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											\plasticity, -HCL Boring terminated at 50.0 feet		
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6006</b>	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6007</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142730.7 E 620301.8</b>		BEGUN <b>3/1/2007</b>		COMPLETED <b>3/6/2007</b>			
DRILLER <b>Rosser-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-75</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>219907</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>222.3</b> DEPTH/EL. GROUND WATER $\nabla$ /				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				222.3					
SS 1	X	▲	5-8-6	11		220.8	5	●	<b>GRAVEL, with sand (GP)</b> - Dark grayish brown (10YR 4/2), moist, medium dense	Top of Fill at a depth of 0.0 Top of Barnwell Group at a depth of 1.5 feet	
SS 2	X	▲	7-4-7	5.5				<b>SAND (SP)</b> - Yellowish red (5YR 5/8) and red (10R 4/6), moist, medium dense, fine to medium grained,			
SS 3	X	▲	24-11-15	4				SAA except reddish yellow (7.5YR 6/8), fine grained			
SS 4	X	▲	8-6-5	15		214.3			SAA except yellowish red (5YR 5/8)		
SS 5	X	▲	6-10-9	14			10	▨	<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8) and strong brown (7.5YR 5/8), moist, medium dense, fine to medium grained	Water level depth at end of 3/2/07= Ground surface	
SS 6	X	▲	16-14-14	18				SAA except mottled red (2.5YR 4/8), strong brown (7.5YR 5/8), and brownish yellow (10YR 6/8)			
SS 7	X	▲	4-6-14	15				SAA except contains white (10YR 8/1) to light gray (10YR 7/1) CLAY seams			
SS 8	X	▲	5-9-11	11		202.7	20	●	SAA except yellowish red (5YR 5/8), medium to coarse grained	Water level depth at end of 3/5/07= Ground surface  Water level depth at beginning of 3/6/07= 1.0 feet	
SS 9	X	▲	6-9-8	11				<b>SAND (SP)</b> - Reddish yellow (7.5YR 6/8), moist, medium dense, medium to coarse grained			
SS 10	X	▲	4-8-8	18		195.3		SAA except reddish yellow (7.5YR 6/6), contains black manganese staining			
SS 11	X	▲	3-4-5	18		192.8	30	▨	<b>CLAY, silty (CL-ML)</b> - Yellow (2.5Y 7/6), moist, very stiff, low to medium plasticity, contains thin reddish yellow (2.5YR 6/8) SAND lenses		
SS 12	X	▲	3-4-5	18		190.3			<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/8), moist, medium dense, medium grained		
SS 13	X	▲	4-5-6	18			35		<b>SILT, sandy (ML)</b> - Yellow (10YR 7/8), moist, stiff, nonplastic to low plasticity, fine grained SAND		
SS	X	▲	3-4-5	18			40		SAA except red (2.5YR 5/8) and yellowish red (5YR 5/8)		
SS	X	▲	4-5-6	18		175.3	45		SAA except olive yellow (2.5Y 6/6), contains shell fragments, -HCL		
SS	X	▲	3-4-27	18		173.1			<b>SILT (ML)</b> - Pale yellow (5Y 7/3), moist, stiff, low plasticity, -HCL		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6007**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6007		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)			ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									172.3			<b>SILT, sandy (ML)</b> - Pale yellow (5Y 8/3), moist, hard, contains cemented shell fragments, +HCL Boring terminated at 50.0 feet	

									SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-6007</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6008</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1145443.8 E 622676.4</b>		BEGUN <b>3/6/2007</b>		COMPLETED <b>3/8/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>150.0</b>	
GROUND EL. <b>240.1</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							240.1				
SS 1	X	▲		2-5-9	10					SAND, with silt (SP-SM)- Red (10R 5/8), moist, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	X	▲		4-7-9	11		236.9			SAA except light red (2.5YR 7/6)	
SS 3	X	▲		2-2-4	18		234.6	5		CLAY, sandy (CL)- Bluish gray (GLE Y2 6/1), medium stiff, high plasticity	
SS 4	X	▲		5-8-9	16		232.1			SAND, with clay (SP-SC)- Bluish gray (GLE Y2 6/5B), moist, medium dense, fine grained	
SS 5	X	▲		3-6-7	12			10		SAND, with silt (SP-SM)- Strong brown (7.5YR 6/8), wet, medium dense	
SS 6	X	▲		5-7-10	12					SAA except brownish yellow (10YR 6/8), fine grained	
SS 7	X	▲		8-13-11	12			15		SAA except light brown (7.5YR 6/4)	
SS 8	X	▲		7-19-11	16			20		SAA except dark olive gray (5Y 3/2)	
SS 9	X	▲		16-25-27	13			25		SAA except reddish brown (5YR 5/4), very dense	
SS 10	X	▲		3-5-7	18		213.1			CLAY, sandy (CL)- Yellowish red (5YR 5/8), wet, stiff, high plasticity, fine grained SAND	
SS 11	X	▲		2-6-9	16		208.1			SAND, with clay (SP-SC)- Strong brown (7.5YR 5/8), wet, medium dense, fine grained, nonplastic to low plasticity	
SS 12	X	▲		16-35-37	10		203.1			SAND, with silt (SP-SM)- Olive gray (5Y 4/2), wet, very dense, fine grained, -HCL	
SS 13	X	▲		3-4-6	8			45		SAA except olive gray (5Y 5/2), medium dense, fine to medium grained	
SS	X	▲		3-4-7	16		193.1			CLAY, with sand (CL)- Light bluish gray (GLE Y2 7/10B), wet, stiff, high plasticity, fine	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6008**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project				JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6008
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						188.1		grained SAND, -HCL		
SS 15	▲		3-4-7	18		55		CLAY (CL)- Mottled light bluish gray (GLEY2 7/10B) and light brown, wet, stiff, high plasticity, -HCL		
SS 16	▲		2-4-8	13		60		CLAY, silty (CL-ML)- Pale yellow (2.5Y 8/4), wet, stiff, high plasticity, -HCL		
SS 17	▲		2-4-5	16		65		CLAY, sandy (CL)- Brownish yellow (10YR 6/6), wet, stiff, high plasticity, fine grained SAND, -HCL		
SS 18	▲		5-5-6	12		70		SAND, with silt (SP-SM)- Brownish yellow (10YR 6/6), wet, medium dense, fine grained, -HCL	Water level depth at end of 3/6/07= Top of casing	
SS 19	▲		3-6-7	8		75		SAND, with clay (SP-SC)- Reddish yellow (7.5YR 6/8), wet, medium dense, fine grained, nonplastic to low plasticity, -HCL	Water level depth at beginning of 3/7/07= 31.5 feet	
SS 20	▲		2-4-4	9		80		SAND, clayey (SC)- Light red (10R 6/8), wet, loose, medium to coarse grained, medium plasticity, -HCL		
SS 21	▲		50/6"	5		85		SAND, with silt (SP-SM)- White (5Y 8/1), wet, very dense, fine grained, contains cementation, +HCL		
SS 22	▲		50/3"	1		90		SAA except very fine grained	Installed 3" steel casing to a depth of 88.5 feet	
SS 23	▲		9-12-21	18		95		CLAY, silty (CL-ML)- Greenish gray (GLEY1 6/10GY), wet, hard, high plasticity, +HCL	Advanced casing to a depth of 91.0 feet Top of Blue Bluff Marl at a depth of 92.5 feet	
SS 24	▲		12-18-18	18		100		SAA except contains shell fragments		
SS 25	▲		13-12-19	18		105		SAA except contains no shells		
					SITE	Vogle Units 3 & 4 COL Project				HOLE NO.
						Final Log				B-6008



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-6008
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	13-28-22	18	110		SAA except greenish gray (GLEY1 5/5GY)		
SS 27	⊗		23-28-50/5"	18	115		SAA		
SS 28	⊗		10-28-50/3"	18	120		SAA except contain trace shell fragments		
SS 29	⊗	▲	18-17-24	18	125		SAA except greenish gray (GLEY1 6/10Y), contains no shells		
SS 30	⊗	▲	33-35-26	18	130		SAA except contains trace shell fragments		
SS 31	⊗	▲	18-22-26	18	135		SAA except greenish gray (GLEY1 5/5G), contains no shells		
SS 32	⊗	▲	7-8-14	18	140		CLAY (CH) - Greenish gray (GLEY1 5/10GY), wet, very stiff, high plasticity, +HCL		
SS 33	⊗	▲	15-18-22	18	145		SAA except hard		
SS 34	⊗	▲	10-12-13	18	150		CLAY, silty (CL-ML) - Greenish gray (GLEY1 5/10GY), wet, very stiff, high plasticity, +HCL Boring terminated at 150.0 feet		
				SITE	Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-6008




GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-6009
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					194.0			+HCL	
SS 15	⊗	▲	12-18-19	18		55		*SAND, silty (SM)- Pale yellow (5Y 8/2), moist, very dense, fine grained, contains shell fragments, +HCL	
SS 16	⊗	▲	8-14-15	13		60		*SAND, clayey (SC)- Pale yellow (2.5Y 7/4) to yellow (2.5Y 7/6), and pale yellow (5Y 8/2), moist, medium dense, contains shell fragments, +HCL	
SS 17	⊗	▲	22-22-20	16		65		*CLAY (CL)- Pale yellow (5Y 8/2), moist, hard, contains shell fragments, +HCL	
SS 18	⊗	▲	24-20-35	16		70		SAA except pale yellow (2.5Y 8/4)	
SS 19	⊗	▲	15-20-18	18		75		*SAA except Yellow (2.5Y 7/6) and low plasticity	
SS 20	⊗	▲	40-18-12	18		80		SAND, clayey (SC)- Pale yellow (2.5Y 8/2) and yellow (2.5Y 8/6), moist, medium dense, medium to coarse grained, contains shell fragments, +HCL	
SS 21	⊗	▲	13-18-26	18		85		SAA except pale yellow (2.5Y 8/2), dense	
SS 22	⊗	▲	8-15-50/1"	16		90		SAA except pale yellow (2.5Y 8/3), very dense, fine to medium grained	
SS 23	⊗	▲	50/1"	0.5		95		*SHELL HASH (GP)- Pale yellow (2.5Y 8/2), moist, very dense, +HCL	Top of Utley Limestone at a depth of 92.0 feet
SS 24	⊗	▲	24-24-20	0		100		NO RECOVERY	Loss of circulation at a depth of 97.0 feet
								Boring terminated at 100.0 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6009



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 4	HOLE NO. B-6010
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14						211.4			
SS 15	⊗	▲	12-18-17	18		55	CLAY (CH) - Greenish gray (GLEY1 5/10GY), wet, hard, high plasticity, +HCL		
SS 16	⊗	▲	6-9-11	18		60	CLAY, silty (CL-ML) - Light greenish gray (GLEY1 8/10Y), wet, very stiff, medium plasticity, +HCL		
SS 17	⊗		50/3"	1		65	SAA except hard, nonplastic		
SS 18	⊗	▲	17-19-24	18		70	CLAY, with sand (CL) - Pale yellow (2.5Y 8/4), wet, hard, medium plasticity, medium to coarse grained SAND, +HCL		
SS 19	⊗	▲	12-15-20	18		75	SAND, with clay (SP-SC) - Pale yellow (2.5Y 8/2), wet, dense, fine grained, nonplastic, contains shell fragments, +HCL		
SS 20	⊗	▲	11-25-36	18		80	SAA except pale yellow (2.5Y 8/4), very dense, fine to medium grained, contains no shell fragments		
SS 21	⊗	▲	27-19-26	18		85	SAND, with silt (SP-SM) - Pale yellow (2.5Y 8/4), wet, dense, fine to medium grained, nonplastic, +HCL		
SS 22	⊗	▲	18-13-14	18		90	SAA except pale yellow (2.5Y 8/3), medium dense, fine grained		
SS 23	⊗	▲	8-13-11	16		95	SAND, clayey (SC) - Very pale brown (10YR 8/4), wet, medium dense, fine to medium grained, nonplastic to low plasticity, contains trace shell fragments, +HCL	Water level depth at end of 2/28/07 = Top of casing	
SS 24	⊗	▲	7-9-7	18		100	SAA	Water level depth at beginning of 3/1/07 = 42.4 feet	
SS 25	⊗	▲	7-10-12	18		105	SAND, with clay (SP-SC) - Pale yellow (2.5Y 8/3), wet, medium dense, fine grained, contains trace shell fragments, +HCL		
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-6010

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 4	HOLE NO. B-6010					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
SS 26		▲				4-6-18	14		110		SAA except very pale brown (10YR 8/4), fine to medium grained, contains no shell fragments		
SS 27		▲				12-14-17	16		115		SAA except very pale brown (10YR 8/2), dense		
SS 28						▲ 9-8-50/6"	18	146.4	120		SAND, clayey (SC)- Pale yellow (2.5Y 8/4), wet, very dense, fine to medium grained, nonplastic to low plasticity, contains shell fragments, +HCL	Top of Utley Limestone at a depth of 117.0 feet	
SS 29						▲ 15-50/3"	10	141.4	125		SAND, with silt (SP-SM)- Pale yellow (2.5Y 8/4), wet, very dense, contains shell fragments, +HCL		
SS 30		▲				5-6-15	18		130		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 5/5GY), wet, very stiff, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 126.5 feet	
SS 31						▲ 15-40-42	18		135		SAA except greenish gray (GLE Y1 6/5GY), hard, nonplastic to high plasticity, contain cementation		
SS 32		▲				10-17-27	18		140		SAA except greenish gray (GLE Y1 6/10GY), high plasticity		
SS 33						▲ 12-16-50/4"	10	121.4	145		CLAY, with sand (CL)- Greenish gray (GLE Y1 6/10GY), wet, hard, medium to high plasticity, very fine grained SAND, +HCL	Water level depth at end of 3/1/07 = Top of casing	
SS 34		▲				10-16-29	18		150		SAA	Water level depth at beginning of 3/2/07 = 33.2 feet	
SS 35		▲				10-15-22	18	111.4	155		CLAY, silty (CL-ML)- Greenish gray (GLE Y1 6/5GY), wet, hard, high plasticity, +HCL		
SS 36						▲ 50/3"	3		160		SAA except nonplastic, contains cementation		
SS						▲ 50/4"	4				SAA		
								SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6010

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 4 OF 4	HOLE NO. B-6010	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
37						165			
SS 38	☒		▲ 11-50/4"	5	94.1			SAA except greenish gray (GLEY1 6/10GY), <u>high plasticity</u> Boring terminated at 169.33 feet	

					SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>		HOLE NO. <b>B-6010</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6011</b>	
LOGGED BY <b>M. Herrera</b>				COORDINATES <b>N 1144557.9 E 621261.7</b>		BEGUN <b>2/22/2007</b>		COMPLETED <b>2/22/2007</b>			
DRILLER <b>Burnett-Gregg Drilling</b>				DRILL MAKE AND MODEL <b>Froste XDML</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>X02958</b>		TOTAL DEPTH <b>120.0</b>	
GROUND EL. <b>244.0</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						244.0					
SS 1	▲		2-1-1	18		242.5			<b>SAND (SP)</b> - Light yellowish brown (10YR 6/4), damp, very loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		2-4-3	14				<b>SAND, with silt (SP-SM)</b> - Red (2.5YR 5/6) and pink (5YR 7/4), damp, loose, fine grained			
SS 3	▲		2-3-5	13				SAA except reddish yellow (5YR 6/6), wet			
SS 4	▲		9-12-13	18		238.5	5		<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), yellowish red (5YR 5/8), and white (5Y 8/1), moist, medium dense, medium to coarse grained		
SS 5	▲		6-10-10	16			10		SAA except reddish yellow (5YR 6/8), coarse grained		
SS 6	▲		5-6-7	12		231.0			SAA		
SS 7	▲		5-5-7	15		227.0	15		<b>CLAY (CL)</b> - Yellowish red (5YR 5/8), yellow (10YR 7/8), and pale yellow (5Y 8/3), damp, stiff, low plasticity		
SS 8	▲		2-4-4	18			20		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), moist, loose, contains CLAY lenses		
SS 9	▲		2-3-3	18		220.0	25		SAA except pinkish gray (7.5YR 6/2), fine grained		
SS 10	▲		11-14-14	18		217.0			<b>CLAY, silty (CL-ML)</b> - Pale yellow (5Y 8/3), moist, medium stiff, low plasticity, -HCL		
SS 11	▲		6-7-10	18			30		<b>SILT (ML)</b> - Pale yellow (5Y 8/4), damp, very stiff, low plasticity, contains shell fragments, +HCL		
SS 12	▲						35		SAA except pale yellow (5Y 8/3)		
SS 13	▲		32-28-28	18		207.0	40		<b>*SHELL HASH, clayey (GC)</b> - Pale yellow (5Y 8/2), damp, very dense, +HCL	Loss of circulation at a depth of 37.0 feet  Installed 4" steel casing to a depth of 40.0 feet	
SS 14	▲										
SS 15	▲		13-20-25	15		202.0	45		<b>*CLAY (CL)</b> - Yellow (2.5Y 7/6), damp, hard, contains shell fragments, +HCL		
SS 16	▲		7-12-27	16		197.0			<b>SILT (ML)</b> - Pale yellow (5Y 8/2), damp, hard, +HCL		




PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6011**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6011
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					192.0				
SS 15	⊗	▲	16-22-16	18		55		CLAY, silty (CL-ML)- Pale yellow (5Y 8/3), damp, hard, contains shell fragments, +HCL	
SS 16	⊗	▲	12-14-18	18		60		SAA	
SS 17	⊗	▲	14-20-22	11	182.0	65		SAND (SP)- Pale yellow (5Y 8/3), damp, dense, fine to medium grained, +HCL	
SS 18	⊗	▲	18-32-24		177.0	70		*SHELL HASH, with clay (GP-GC)- Pale yellow (5Y 8/3), moist, very dense, +HCL	
SS 19	⊗	▲	32-32-26	18	172.0	75		*SAND, clayey (SC)- Pale yellow (2.5Y 7/4) and yellow (2.5Y 7/6), moist, very dense, contains shell fragments, +HCL	
SS 20	⊗	▲	14-17-18	16		80		SAA except dense	
SS 21	⊗	▲	13-15-17	17		85		SAA	
SS 22	⊗	▲	20-35-18	9		90		SAA except very dense	
SS 23	⊗	▲	50/3"	0	152.0	95		NO RECOVERY	Top of Utley Limestone at a depth of 92.0 feet
SS 24	⊗	▲	50/1"	0		100		NO RECOVERY	
SS 25	⊗	▲	50/1"	0.25	142.0	105		*SHELL HASH (GP)- Pale yellow (2.5Y 8/2), wet, very dense	
					137.0				
SITE					Vogle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-6011

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-6011				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				N-COUNT 1st 6"    2nd 6"    3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	☒					▲	15-50/3"	13			110		<b>SILT, clayey (CL-ML)</b> - Greenish gray (GLEY1 6/1 to GLEY1 5/1), damp, hard, low plasticity, +HCL	Top of Blue Bluff Marl at a depth of 107.0 feet
SS 27	☒			▲			16-22-24	18			115		SAA	
SS 28	☒				▲		25-30-45	11	124.0	120		SAA		
										Boring terminated at 120.0 feet				
									SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-6011</b>		






<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6012</b>	
LOGGED BY <b>D. Atkinson</b>				COORDINATES <b>N 1144256.7 E 620480.5</b>		BEGUN <b>3/5/2007</b>		COMPLETED <b>3/6/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>120.0</b>	
GROUND EL. <b>194.2</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X		▲ WOH/18"	10	194.2			<b>SAND, with silt (SP-SM)-</b> Dark gray (5YR 4/1), damp, very loose, fine grained SAA except brown (7.5YR 4/4)		Top of Barnwell Group at a depth of 0.0 feet	
SS 2	X		▲ WOH/18"	12							
SS 3	X	▲		2-2-2	10	5		SAA except light brown (7.5YR 6/4), moist			
SS 4	X	▲		2-3-3	9			SAA except yellow (10YR 7/6), loose			
SS 5	X	▲		4-5-5	12	10		SAA except reddish yellow (7.5YR 6/8), wet, medium dense			
SS 6	X	▲		2-2-3	9	183.7		<b>SAND, with clay (SP-SC)-</b> Reddish yellow (7.5YR 7/8), wet, loose, fine grained, <u>nonplastic to low plasticity</u>			
SS 7	X	▲		2-3-3	9	181.2		<b>SAND, clayey (SC)-</b> Yellow (10YR 7/8), wet, loose, fine grained, medium plasticity			
SS 8	X	▲		1-2-3	12	15		SAA except light gray (10YR 7/2), high plasticity			
SS 9	X	▲		1-2-3	10	20		SAA except pale yellow (2.5Y 7/4), medium to high plasticity			
SS 10	X	▲		1-3-3	7	25		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 7/4), wet, loose, fine grained			
SS 11	X	▲		2-3-3	9	30		<b>SAND, with clay (SP-SC)-</b> Pale yellow (2.5Y 7/4), wet, loose, fine grained, low to medium plasticity			
SS 12	X		▲ WOH/18"	13	157.2	35		<b>SILT, with sand (ML)-</b> Pale yellow (5Y 7/3), wet, very soft, nonplastic, -HCL			
SS 13	X		▲ WOH/18"	10	152.2	40		<b>SAND, with silt (SP-SM)-</b> Pale yellow (2.5Y 7/4), wet, very loose, fine to medium grained, -HCL			
SS	X	▲		8-22-15	18	148.2		<b>SAND, clayey (SC)-</b> Pale yellow (2.5Y 8/3), wet, dense, fine to medium grained, medium			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6012**

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6012
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14					142.2			plasticity, +HCL	
SS 15	⊗	▲	11-16-17	16		55		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/3), wet, dense, fine to medium grained, nonplastic to low plasticity, contains shell fragments, +HCL	Installed 3" steel casing to a depth of 58.5 feet
SS 16	⊗	▲	15-9-7	15		60		SAA except pink (7.5YR 8/3), medium dense, nonplastic, contains no shell fragments	
SS 17	⊗	▲	5-7-12	18		65		<b>CLAY, silty (CL-ML)</b> - Light greenish gray (GLEW 8/10Y), wet, very stiff, high plasticity, +HCL	
SS 18	⊗	▲	12-16-30	16		70		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/4), wet, dense, fine to medium grained, -HCL	
SS 19	⊗	▲	9-11-15	18		75		SAA except pale yellow (2.5Y 7/4), medium dense, fine grained	
SS 20	⊗	▲	14-15-25	18		80		<b>SAND, with clay (SP-SC)</b> - Pale yellow (2.5Y 8/3), wet, dense, fine to medium grained, nonplastic, contains trace shell fragments, +HCL	
SS 21	⊗	▲	50/4"	4		85		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 8/3), wet, very dense, fine to medium grained, nonplastic, contains cementation, +HCL	Top of Utley Limestone at a depth of 82.0 feet
SS 22	⊗	▲	50/2"			90		SAA	
SS 23	⊗	▲	21-50/5"	8		95		SAA except pale yellow (2.5Y 8/4), contains shell fragments	
SS 24	⊗	▲	18-50/4"	18		100		<b>CLAY, silty (CL-ML)</b> - Greenish gray (GLEW 5/10GY), wet, hard, high plasticity, +HCL	Top of Blue Bluff Marl at a depth of 96.5 feet
SS 25	⊗	▲	16-18-28	18		105		SAA except greenish gray (GLEW 6/10GY), contains shell fragments	Water level depth at end of 3/5/07 = Top of casing Water level depth at beginning of 3/6/07 = 59.2 feet
SITE					Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6012</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 3 OF 3		HOLE NO. B-6012				
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				N-COUNT 1st 6"    2nd 6"    3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	☒	▲				15-24-28		18		74.2	110		SAA except greenish gray (GLEY1 5/10GY)	
SS 27	☒	▲				11-18-26		18			115		SAA except contains no shell fragments	
SS 28	☒	▲				14-16-32		18			120		SAA	
												Boring terminated at 120.0 feet		
									SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-6012</b>		



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-6013</b>		
LOGGED BY <b>L. Davis</b>			COORDINATES <b>N 1143169.5 E 617234.9</b>			BEGUN <b>3/21/2007</b>		COMPLETED <b>3/21/2007</b>		
DRILLER <b>White-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>		
GROUND EL. <b>251.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20   40   60   80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
						251.1				
SS 1	▲		WOH/6"-1-	19					<b>SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6), damp, very loose, nonplastic, -HCL SAA	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		1-1-1	20						
SS 3	▲		1-2-1	14			5		SAA except reddish yellow (7.5YR 7/6)	
SS 4	▲		2-3-4	14		243.1			SAA except yellow (2.5Y 7/6), loose	
SS 5	▲		6-9-14	18			10		<b>SAND, clayey (SC)-</b> Yellowish brown (10YR 5/6), damp, medium dense, low plasticity, -HCL	Installed 3" steel casing to a depth of 10.0 feet
SS 6	▲		7-10-12	17		238.1			SAA except yellow (2.5Y 7/6)	
SS 7	▲		5-3-9	14			15		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (2.5Y 7/8), damp, medium dense, low plasticity, -HCL	
SS 8	▲		5-6-7	14			20		SAA except brownish yellow (10YR 6/8), moist	
SS 9	▲		4-4-6	16			25		SAA except reddish yellow (7.5YR 7/6)	
SS 10	▲		4-6-7	15			30		SAA except reddish yellow (7.5YR 7/8)	
SS 11	▲		4-4-6	13			35		SAA	
SS 12	▲		4-5-6	19			40		SAA except gray (10YR 5/1)	
SS 13	▲		3-3-5	14			45		SAA except mottled dark gray, reddish yellow, and white	
						204.1				
SS	▲		7-8-12	12		201.1			<b>SAND, silty (SM)-</b> Yellowish red (5YR 5/6), moist, medium dense, low plasticity, -HCL	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6013		
SAMP. TYPE AND NO.	SAMPLE	N-VALUE (SPT)				1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		▲	○	+	□								
		20	40	60	80								
14											Boring terminated at 50.0 feet		
								SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6013	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>	SHEET NO. <b>1 OF 2</b>	HOLE NO. <b>B-6014</b>			
LOGGED BY <b>B. Sharp</b>			COORDINATES <b>N 1143168.2 E 618281.5</b>			BEGUN <b>3/26/2007</b>		COMPLETED <b>3/26/2007</b>			
DRILLER <b>White-MACTEC</b>			DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>	HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>			
GROUND EL. <b>209.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$			SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>								
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6"	2nd 6"	3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20    40    60    80					209.8				
SS 1	▲		2-2-2			18				SAND, clayey (SC) - Red (10R 4/6) and yellowish red (5YR 5/6), moist, very loose to loose, fine grained	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		2-2-3			14				SAA except dark red (10R 3/6) and dark gray (7.5YR 4/1), loose	
SS 3	▲		4-4-4			13	204.3	5		SAA except red (10R 4/6)	
SS 4	▲		3-5-9			17				CLAY, sandy (CL) - Red (2.5YR 4/8) and yellowish red (5YR 5/8), moist, stiff, low plasticity, fine grained SAND	Installed 3" steel casing to a depth of 5.0 feet
SS 5	▲		5-6-7			17				SAA except medium grained SAND	
SS 6	▲		4-2-3			10	199.3	10		SAND, clayey (SC) - Red (2.5YR 4/8) and dark yellowish brown (10YR 4/1), moist, loose, fine to medium grained	
SS 7	▲		2-1-1			13	196.8	15		SILT, sandy (ML) - Red (2.5YR 4/8) and olive brown (2.5Y 4/3), moist, very soft to soft, low plasticity, fine to medium grained SAND	
							192.8				
SS 8	▲		2-1-3			13		20		SAND, silty (SM) - Dark grayish brown (2.5Y 4/2), moist, very loose to loose, fine grained, contains shell fragments and cemented shell hash	
SS 9	▲		11-22-30			13		25		SAA except dark gray (2.5Y 4/1), very dense, medium grained, contains black manganese staining and no shells	
SS 10	▲		3-3-4			11		30		SAA except loose	
							177.8				
SS 11	▲		2-1-2			18		35		SILT (ML) - Black (2.5Y 1), moist, soft, contains abundant organics	
SS 12	▲		1-1-1			18		40		SAA except very soft to soft	
							167.8				
SS 13	▲		4-10-21			13		45		SAND, with silt (SP-SM) - Gray (2.5Y 6/1), moist, dense, fine to very coarse grained, rounded, -HCL	
							162.8				
SS	▲		3-3-6			18				CLAY, with sand (CL) - Pale olive (5Y 6/4) and brownish yellow (10YR 6/8), moist, stiff	
							159.8				

PREPARED BY: A. TAYLOR  
 REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6014**



GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6014		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14											fine grained SAND, -HCL Boring terminated at 50.0 feet		
								SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6014</b>	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6015</b>	
LOGGED BY <b>L. Davis</b>				COORDINATES <b>N 1143166.3 E 619317.9</b>		BEGUN <b>3/21/2007</b>		COMPLETED <b>3/21/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>221.5</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						221.5					
SS 1	▲		WOH/6"-1-	20		220.0			<b>SAND, with silt (SP-SM)</b> - Light red (2.5YR 6/8), damp, loose, nonplastic, -HCL	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		4-6-10	15				<b>SAND, silty (SM)</b> - Light red (2.5YR 6/8), damp, medium dense, nonplastic, -HCL			
SS 3	▲		3-3-5	11		5		SAA except reddish brown (2.5YR 5/4), moist, loose			
SS 4	▲		2-3-3	12				SAA except reddish yellow (5YR 6/8)			
SS 5	▲		2-2-4	11		10		SAA except yellowish red (5YR 5/6)			
SS 6	▲		4-7-9	12		211.0			<b>SAND, with silty clay (SP-SC)</b> - Yellowish red (5YR 5/8), moist, medium dense, low plasticity, -HCL	Installed 3" steel casing to a depth of 10.0 feet	
SS 7	▲		8-8-9	14		208.5		<b>SAND, silty, clayey (SC-SM)</b> - Yellowish red (5YR 5/8), moist, medium dense, low plasticity, -HCL			
						204.5					
SS 8	▲		6-7-8	12		20		<b>SAND, with silty clay (SP-SC)</b> - Yellowish red (5YR 5/8), moist, medium dense, low plasticity, -HCL			
SS 9	▲		2-7-9	18		199.5		<b>CLAY (CL)</b> - Yellow (10YR 7/8), moist, very stiff, low plasticity, -HCL			
						197.5			<b>SAND, silty, clayey (SC-SM)</b> - Reddish yellow (5YR 7/6), moist, medium dense, low plasticity, -HCL		
SS 10	▲		4-4-5	16		194.5			<b>SAND, clayey (SC)</b> - Yellow (10YR 7/6), moist, loose, low plasticity, -HCL		
						189.5					
SS 11	▲		1-3-4	18		35			<b>CLAY (CL)</b> - Very pale brown (10YR 8/4), moist, loose, medium plasticity, -HCL		
						184.5					
SS 12	▲		2-3-3	16		40			<b>SAND, silty, clayey (SC-SM)</b> - Yellow (10YR 7/6), moist, loose, low plasticity, -HCL		
						179.5					
SS 13	▲		1-2-21	16		45			<b>CLAY (CH)</b> - Very pale brown (10YR 7/3), moist, very stiff, medium to high plasticity, -HCL		
						175.5					
SS	▲		3-5-4	11		171.5			<b>SAND, clayey (SC)</b> - Pale yellow (2.5Y 7/4), moist, loose, low plasticity, +HCL		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6015**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6015	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
14											Boring terminated at 50.0 feet	

								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6015</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6018</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142909.3 E 618366.6</b>		BEGUN <b>3/26/2007</b>		COMPLETED <b>3/26/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>204.7</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
				204.7				
SS 1	▲		WOH/12"-1	18			<b>SAND, with clay (SP-SC)</b> - Yellowish red (5YR 4/6) and dark reddish gray (5YR 4/2), moist, very loose, fine grained, contains organics	Top of Barnwell Group at a depth of 0.0 feet
SS 2	▲		WOH/6"-1	15			<b>SAND, silty (SM)</b> - Yellowish red (5YR 4/6), moist, very loose, fine grained SAA except loose	
SS 3	▲		2-2-3	15	5		SAA	
SS 4	▲		2-3-4	14			SAA except fine to medium grained	
SS 5	▲		4-4-4	14	10		SAA except medium dense	Installed 4" steel casing to a depth of 10.0 feet
SS 6	▲		4-5-6	13			SAA	
SS 7	▲		7-9-9	14	15		SAA except micaceous	
SS 8	▲		5-5-6	12.5	20		SAA except brownish yellow (10YR 6/8), loose to medium dense	
SS 9	▲		4-5-5	14.5	25		SAA except yellowish brown (10YR 5/8), loose	
SS 10	▲		3-2-4	15	30			
SS 11	▲		3-2-5	18	172.7		<b>CLAY (CL)</b> - Yellow (2.5Y 7/5) and yellowish brown (10YR 5/8), moist, medium stiff, low to medium plasticity, contains SAND lenses, -HCL	Direct Push
UD 1	■			24	169.4		<b>SILT, with sand (ML)</b> - Pale yellow, low to medium plasticity, fine grained SAND Pocket Penetrometer: 1.5 TSF	
SS 12	▲		3-4-5	18	166.7		<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/8), moist, loose, medium grained, contains kaolinitic CLAY seams	
SS 13	▲		2-2-2	18	162.7		<b>SILT (MH)</b> - Pale yellow (5Y 7/3), moist, soft to medium stiff, medium to high plasticity, contains SAND lenses, -HCL	Direct Push
UD 2	■			24	159.4		<b>SILT, sandy (ML)</b> - Yellow, fine to medium grained Pocket Penetrometer: 1.5 TSF	
SS	▲		2-4-5	18	156.7		<b>SILT, with sand (ML)</b> - Pale yellow (5Y 7/3), moist, stiff, low to medium plasticity, fine	
					154.7			

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-6018</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6018		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											grained SAND, -HCL Boring terminated at 50.0 feet		
								SITE Vogle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6018</b>	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6019</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142132.7 E 618344.5</b>		BEGUN <b>3/28/2007</b>		COMPLETED <b>3/28/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>163.9</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20   40   60   80				163.9					
SS 1	▲		2-1-2	18					<b>SAND, with silt (SP-SM)</b> - Yellowish brown (10YR 5/6), damp, very loose, fine grained SAA	Top of Barnwell Group at a depth of 0.0 feet	
SS 2	▲		1-1-2	18		160.7					
SS 3	▲		2-4-6	13			5		<b>CLAY, sandy (CL)</b> - Yellowish red (5YR 5/8), damp, stiff, low plasticity SAA	Installed 4" steel casing to a depth of 3.5 feet Direct Push	
UD 1	■				24	156.2					
SS 4	▲		3-5-6	18			10		<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp, medium dense, fine grained		
SS 5	▲		3-2-5	16		150.9			SAA except brownish yellow (10YR 6/6), loose		
SS 6	▲		2-4-5	16			15		<b>CLAY, with sand (CL)</b> - Yellow (2.5Y 8/6), damp, stiff, low plasticity SAA	Direct Push	
UD 2	■				26	145.9					
SS 7	▲		2-3-3	17			20		<b>SAND, with clay (SP-SC)</b> - Yellow (2.5Y 7/8), damp, loose, fine grained		
						141.9					
SS 8	▲		3-3-5	18			25		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), damp, loose, fine grained		
						136.9					
SS 9	▲		3-4-4	16			30		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 7/4), damp, loose, fine grained		
						131.9					
SS 10	▲		2-3-3	18			35		<b>SAND, clayey (SC)</b> - Yellow (2.5Y 7/6), damp, loose, fine grained		
						126.9					
SS 11	▲		3-3-3	18			40		<b>SAND, with silt (SP-SM)</b> - Pale yellow (5Y 8/3), moist, loose, fine grained		
SS 12	▲		2-2-2	18			45		SAA except contains CLAY seams		
SS	▲		7-8-11	7		113.9			SAA except pale yellow (5Y 8/2), medium dense, fine to coarse grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6019**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6019		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
13											Boring terminated at 50.0 feet		
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6019</b>	

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6020</b>	
LOGGED BY <b>S. Woodham</b>				COORDINATES <b>N 1142634.0 E 619555.9</b>		BEGUN <b>3/28/2007</b>		COMPLETED <b>4/2/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>130.0</b>	
GROUND EL. <b>221.5</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>		NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X	▲	4-5-5	16	221.5			<b>SAND, with silt (SP-SM)-</b> Yellowish red (5YR 5/8), damp, medium dense, fine grained <b>SAND, clayey (SC)-</b> Yellowish red (5YR 5/6) to red (10R 4/8), damp, medium dense, fine to medium grained <b>SAND, with silt (SP-SM)-</b> Weak red (10R 4/3), damp, medium dense, fine grained SAA except red (2.5YR 5/8)		Top of Fill at a depth of 0.0 feet.  Top of Barnwell Group at a depth of 3.0 feet Installed 4" steel casing to a depth of 5.0 feet.	
SS 2	X	▲	5-5-5	18	220.0						
SS 3	X	▲	3-6-8	14	218.5	5		SAA except loose			
SS 4	X	□	10-11-11	14				SAA except red (2.5YR 5/8)			
SS 5	X	▲	2-2-4	16		10		SAA except loose			
SS 6	X	▲	3-5-4	14	211.0			* <b>SAND, clayey (SC)-</b> Yellowish brown (10YR 5/6), damp, loose, fine grained			
SS 7	X	▲	5-4-5	14		15		SAA			
SS 8	X	▲	9-14-20	16	204.5			<b>SAND, with silt (SP-SM)-</b> Very dark gray (2.5Y 3/1), damp, very dense, fine grained  SAA except yellowish brown (10YR 5/4), loose			
SS 9	X	▲	2-4-3	8		25		SAA except strong brown (7.5YR 5/6), medium dense			
SS 10	X	▲	3-5-7	7		30		SAA except yellow (10YR 7/8)			
SS 11	X	▲	7-10-15	8	184.5			<b>SAND, with silty clay (SP-SC)-</b> Brownish yellow (10YR 6/6), medium dense, fine grained  SAA except strong brown (7.5YR 5/6), medium dense			
SS 12	X	▲	6-7-10	7	179.5			<b>SAND, with silt (SP-SM)-</b> Light olive brown (2.5Y 5/6), medium dense, fine grained  SAA except yellow (10YR 7/8)			
SS 13	X	▲	9-15-14	7		45		<b>SAND, with silty clay (SP-SC)-</b> Brownish yellow (10YR 6/6), medium dense, fine grained  SAA except yellow (10YR 7/8)			
SS	X	▲	3-3-4	18	174.5			<b>SAND, with silt (SP-SM)-</b> Light olive brown (2.5Y 5/6), medium dense, fine grained  SAA except yellow (10YR 7/8)		Water level depth at end of 3/28/07 = Top of casing  Water level depth at beginning of 3/29/07	
SS	X	▲	3-3-4	18				<b>*SAND, silty (SM)-</b> Olive yellow (2.5Y 6/6), damp, loose, low plasticity, -HCL			

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6020**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6020						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
14 UD 1									22.5			SAA Pocket Penetrometer: 1.0 TSF	= 45.0 feet Direct Push	
SS 15		▲				2-3-3	18			55		SAA except pale olive (5Y 6/3)		
SS 16		▲	□	○	+	2-3-5	18			60		SAA except olive yellow (2.5Y 6/6)	Direct Push	
UD 2							22.5					SAA Pocket Penetrometer: 1.5 TSF		
SS 17		▲				1-2-4	18			65		SAA except pale yellow (5Y 8/3)		
										154.5				
SS 18		▲				3-5-7	16			70		<b>SAND, silty, clayey (SC-SM)-</b> Yellow (5Y 7/8), damp, medium dense, fine grained, -HCL	Changed to a 2 7/8" drill bit.	
SS 19		▲				2-3-3	18			75		SAA except yellow (5Y 7/8) and yellowish brown (10YR 5/6)		
										144.5				
SS 20		▲				3-4-7	14			80		<b>SAND, clayey (SC)-</b> Pale yellow (5Y 8/2), moist, medium dense, fine to coarse grained, contains shell fragments, +HCL		
SS 21		▲				10-10-13	16			85		SAA		
SS 22		▲				5-9-16	18			90		SAA except damp		
SS 23		▲				7-7-4	15			95		SAA		
										124.5				
SS 24		▲				6-10-10	5			100		<b>SAND, with silt (SP-SM)-</b> Yellow (5Y 8/6), moist, medium dense, fine to medium grained, +HCL		
SS 25		▲				14-19-22				105		SAA except yellow (10YR 7/6)		
										114.5				
SITE									Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6020	

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-6020					
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲				10-8-9	10		110		SAND (SP) - Yellow (10YR 7/6), moist, medium dense, fine to medium grained, contains thin CLAY seams	Loss of circulation at a depth of 111.0 feet Top of Utley Limestone at a depth of 112.0 feet	
SS 27	⊗					50/4"	4		115		SAND, with clay and gravel (SP-SC) - Pale yellow (2.5Y 8/3), damp, very dense, fine to coarse grained, contains shell fragments, +HCL		
SS 28	⊗					3-3-50/3"	12		120		SAA	Water level depth at end of 3/29/07 = Borehole dry Top of Blue Bluff Marl at a depth of 122.0 feet Water level depth at beginning of 4/2/07 = 110.0 feet Installed 3" steel casing to a depth of 123.5 feet. Changed to a 2 7/8" drill bit.	
SS 29	⊗					3-19-50/5.5"	17.5		125		SILT (ML) - Dark greenish gray (GLEYS 4/5GY), damp, hard, contains trace shell fragments and cementation, +HCL		
SS 30	⊗	▲				8-32-24	18		130		SAA except contains less cementation Boring terminated at 130 feet		
								SITE	Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6020



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 3</b>		HOLE NO. <b>B-6021</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142185.7 E 619103.4</b>		BEGUN <b>4/3/2007</b>		COMPLETED <b>4/4/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>120.0</b>	
GROUND EL. <b>209.8</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					209.8				
SS 1	X	▲	5-8-10	9			208.3			SAND, silty (SM)- Red (5YR 5/8) and yellowish red (5YR 5/8), moist, medium dense, fine grained	Top of Barnwell Group at a depth of 0.0 feet  Installed 4" steel casing to a depth of 5.0 feet.
SS 2	X	▲	8-9-10	18			206.6			SAND, clayey (SC)- Yellowish brown (10YR 5/8) and red (2.5YR 5/8), moist, medium dense, fine to medium grained	
SS 3	X	▲	8-12-12	13			204.3	5		SAND, with silt (SP-SM)- Olive (5Y 5/4) and dark gray (5Y 4/1), moist, medium dense, fine to medium grained	
SS 4	X	▲ □ +	5-6-8	13						SAND, clayey (SC)- Dark red (10R 3/6) and weak red (10R 4/3), moist, medium dense, fine grained	
SS 5	X	▲	5-7-11	16				10		SAA except some yellowish red (5YR 5/8)	
SS 6	X	▲	3-5-6	15			197.8			SAA except red (2.5YR 4/8)	
SS 7	X	▲ □ +	3-4-5	13				15		*SAND, silty (SM)- Yellowish red (5YR 5/8), moist, loose, fine to medium grained	
SS 8	X	▲	3-4-4	13				20		SAA except contains some cementation	
SS 9	X	▲	8-13-15	14			182.8	25		SAA except light olive brown (2.5Y 5/4) and yellowish red (5YR 5/8), medium dense	
SS 10	X	▲	4-4-4	14			177.8	30		SAND, clayey (SC)- Yellowish red (5YR 5/8) and red (10R 3/4), moist, loose, fine grained	
SS 11	X	▲	6-10-13	13			172.8	35		SAND, silty (SM)- Dark red (10R 3/6), moist, medium dense, fine to medium grained	
SS 12	X	▲	3-6-8	8			167.8	40		SAND, with silt (SP-SM)- Dark red (10R 3/6), red (2.5YR 4/8 & 5/8), and strong brown (7.5YR 5/6), moist, medium dense, fine to medium grained	
SS 13	X	▲	4-3-4	10			162.8	45		SAND, clayey (SC)- Strong brown (7.5YR 5/8), moist, loose, fine to medium grained	
SS	X	▲	3-4-5	9						SAND, silty (SM)- Dark gray (7.5YR 4/1), moist, loose, fine to medium grained	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-6021</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 3	HOLE NO. B-6021
SAMP. TYPE AND NO.	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									
SS 15	▲		2-2-3	6		55		SAA except dark grayish brown (10YR 4/2) to brown (10YR 4/3), medium grained	
SS 16	▲		2-3-5	16	152.8	60		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/8) and yellowish red (5YR 5/6), moist, loose, medium grained	
SS 17	▲		16-16-20	13	147.8	65		<b>SAND, silty (SM)</b> - Strong brown (7.5YR 5/8), moist, dense, medium grained	
SS 18	▲		4-4-5	15	142.8	70		<b>SAND, clayey (SC)</b> - Yellowish brown (10YR 5/8), yellowish red (5YR 5/8), light yellowish brown (2.5Y 6/4), and gray (2.5Y 6/1), moist, loose, medium to coarse grained	
SS 19	▲		2-2-3	18	137.8	75		<b>SILT, with sand (ML)</b> - Yellowish brown (10YR 5/8), pale yellow (5Y 7/4), and reddish yellow (7.5YR 6/8), moist, medium stiff, nonplastic to low plasticity, very fine to fine grained SAND, -HCL	Direct Push
UD 1				24	131.8	80		SAA except pale yellow (5Y 7/4) and reddish yellow (7.5YR 6/8) Pocket Penetrometer: 2.75 TSF	Reamed hole to a depth of 75.5 feet using a 3 7/8" drill bit. Resumed drilling with the 2 7/8" drill bit.
SS 20	▲		2-2-2	18	127.8			<b>SILT, sandy (ML)</b> - Pale yellow (5Y 7/4), moist, soft to medium stiff, nonplastic to low plasticity, very fine to fine grained SAND, -HCL	
SS 21	▲		5-7-8	12	122.8	85		<b>SAND, with silt (SP-SM)</b> - Pale yellow (2.5Y 7/3), moist, medium dense, medium grained, -HCL	
SS 22	▲		5-9-12	12	90			<b>SAND, silty (SM)</b> - Pale yellow (5Y 7/3), moist, medium dense, fine to medium grained, -HCL	Water level depth at end of 4/3/07 = 10.0 feet
SS 23	▲		4-5-10	17	95			SAA except, wet	Water level depth at beginning of 4/4/07 = 45.0 feet
SS 24			50/1"	0	112.8	100		<b>NO RECOVERY</b>	Top of Utley Limestone at a depth of 97.0 feet
SS 25			50/1.5"	1	107.8	105		<b>SAND, silty (SM)</b> - Pale yellow (2.5Y 8/3), wet, very dense, contains very coarse shell fragments and abundant cementation, +HCL	Loss of circulation at
SITE					Vogtle Units 3 & 4 COL Project				HOLE NO.
					Final Log				B-6021

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 3 OF 3	HOLE NO. B-6021
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 26	⊗	▲	10-6-8		101.1	110	SAA <b>SILT (ML)</b> - Pale olive (5Y 6/4), damp to moist, nonplastic to low plasticity, contains trace shell fragments and olive yellow (5Y 6/8) SAND lenses, +HCL	a depth of 106.0 feet	
SS 27	⊗	▲	12-17-37	18	96.8	115	<b>CLAY, silty (CL-ML)</b> - Dark greenish gray (GLY 1 4/10Y), damp, hard, low plasticity, +HCL	Installed 3" steel casing to a depth of 113.0 feet	
SS 28	⊗	▲	12-17-17	18	89.8	120	SAA except contains abundant shell fragments Boring terminated at 120 feet	Top of Blue Bluff Marl at a depth of 113.0 feet	
					SITE	Vogtle Units 3 & 4 COL Project			HOLE NO.
						Final Log			B-6021

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6022</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1142224.8 E 620040.3</b>		BEGUN <b>4/9/2007</b>		COMPLETED <b>4/9/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>90.0</b>	
GROUND EL. <b>216.2</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20 40 60 80				216.2					
SS 1	X	▲	6-6-4	18		215.4		5	<b>GRAVEL, with sand (GP)-</b> Light brownish gray (10YR 6/2), damp, loose to medium dense, contains organics <b>SAND, clayey (SC)-</b> Red (2.5YR 4/8), damp to moist, loose to medium dense, fine grained <b>SAND, with silt (SP-SM)-</b> Strong brown (7.5YR 4/6), moist, dense, fine grained <b>SAA except medium dense SAND (SP)-</b> Strong brown (7.5YR 3/8), moist, loose to medium dense	Top of Fill at a depth of 0.0 feet	
SS 2	X		6-19-22	18	214.7						
SS 3	X	▲	8-13-13	13		210.7		10	<b>SAA except strong brown (7.5YR 5/8) to light yellowish brown (10YR 6/4), loose, fine to medium grained</b> <b>SAND, clayey (SC)-</b> Yellowish brown (10YR 5/8), yellowish red (5YR 5/8), and trace gray (10YR 5/1), moist, medium dense, fine to medium grained <b>SAA except red (2.5YR 4/8), fine grained</b>	Installed 4" steel casing to a depth of 5.0 feet.	
SS 4	X	▲	4-5-5	11		205.7					
SS 5	X	▲	3-4-4	9				15	<b>SAA except red (2.5YR 4/8) and brownish yellow (10YR 6/8), medium grained</b>	Top of Barnwell Group at a depth of 10.5 feet	
SS 6	X	▲	4-7-11	13		194.2					
SS 7	X	▲	6-10-11	15				25	<b>SAND, with silt (SP-SM)-</b> Reddish yellow (5YR 6/6), moist, dense, medium to coarse grained, contains black manganese staining		
SS 8	X	▲	8-12-13	15		189.2					
SS 9	X	▲	10-16-20	9				30	<b>SAND, silty (SM)-</b> Brownish yellow (10YR 6/8) and yellowish red (5YR 5/8), moist, medium dense, fine grained, contains CLAY seams, -HCL  <b>SAA except light yellowish brown (2.5Y 6/4), fine to medium grained, slightly micaceous</b>		
SS 10	X	▲	6-7-8	11							
SS 11	X	▲	4-4-6	10				40	<b>SAA except olive yellow (2.5Y 6/6), loose, low plasticity, very fine grained, contains black manganese staining</b> <b>SILT, with sand (ML)-</b> Olive yellow (2.5Y 6/6), moist, stiff, low plasticity, very fine grained SAND <b>Pocket Penetrometer: 1.5 TSF</b> <b>*SAND, clayey (SC)-</b> Yellowish brown (10YR 5/8), moist, loose to medium dense, low plasticity, contains shell fragments and CLAY seams, -HCL	Direct Push	
SS 12	X	▲	3-4-5	15		176.0					
UD 1	■					173.2		45	<b>SAA except olive yellow (2.5Y 6/8)</b>		
SS 13	X	▲	6-4-5	15							
SS	X	▲	3-4-5	15							

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6022**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-6022
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14 UD 2				22.5				SAA Pocket Penetrometer: 1.25 TSF	Direct Push
SS 15	▲		3-5-8	14		55		SAA except medium grained	
SS 16	▲		4-4-4	16		159.2			
SS 17	▲		5-4-6	10		154.2		SAND, silty (SM)- Olive yellow (2.5Y 6/8), moist, loose, fine to medium grained, -HCL	
SS 18	▲		2-3-3	13		149.2		SILT, sandy (ML)- Olive yellow (2.5Y 6/8), moist, stiff, low plasticity, fine to medium grained SAND, contains shell fragments	
SS 19	▲		3-3-3	14		147.2		SAND, silty (SM)- Yellow (5Y 7/6), moist, loose, medium to coarse grained	Changed to a 2 7/8" drill bit.
SS 20	▲		WOH/12"-2	17		144.2		SILT, sandy (ML)- Yellow (5Y 7/6), moist, medium stiff, low plasticity, fine grained SAND, -HCL	
SS 21	▲		10-20-43	18		139.2		SAND, silty (SM)- Pale yellow (2.5Y 7/4), moist, loose, medium grained, contains trace shell fragments	Loss of circulation at a depth of 75.0 feet
SS 22	▲		9-25-23	18		136.4		SILT (ML)- Olive brown (2.5Y 4/4), moist to wet, very soft, nonplastic, contains cemented shell fragments, -HCL	
						134.2		SAND, silty (SM)- Pale yellow (2.5Y 8/2), contains cemented shell fragments	
						85		SILT (ML)- Dark greenish gray (GLEYS 4/10Y), damp, hard, nonplastic to low plasticity, contains cementation, +HCL	Top of Blue Bluff Marl at a depth of 82.0 feet Installed 3" steel casing to a depth of 83.5 feet. Water level depth at end of 4/9/07 = 10.0 feet
						126.2		SAA except less cementation	Water level depth at beginning of 4/10/07 = 50.0 feet
						90		Boring terminated at a depth of 90 feet	
SITE					Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6022



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6023</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1141553.1 E 619177.9</b>		BEGUN <b>4/4/2007</b>		COMPLETED <b>4/5/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>202.8</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
						202.8					
SS 1	▲		1-1-1	16					<b>SAND (SP)</b> - Strong brown (7.5YR 5/8), damp, moist, very loose, fine to medium grained, contains organics	Top of Fill at a depth of 0.0 feet	
SS 2	▲		1-1-1	10		199.5			SAA		
SS 3	▲		2-1-2	11		197.3	5		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8), damp to moist, very loose, fine to medium grained	Installed 4" steel casing to a depth of 10.0 feet.	
SS 4	▲		2-2-3	9		194.3			<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp to moist, loose, fine to medium grained		
SS 5	▲	+	4-3-5	13			10		<b>SAND, clayey (SC)</b> - Yellowish red (5YR 5/8), damp to moist, loose, fine grained	Top of Barnwell Group at a depth of 8.5 feet	
SS 6	▲		6-7-8	11					SAA except medium dense, fine to coarse grained		
SS 7	▲		6-7-7	13		185.8	15		SAA except fine to medium grained		
SS 8	▲		9-11-11	13		180.8	20		<b>SAND, silty (SM)</b> - Yellowish red (5YR 5/8) and brownish yellow (10YR 6/8), moist, medium dense, medium to coarse grained	Water level depth at end of 4/4/07 = Ground surface	
SS 9	▲		5-5-7	15		175.8	25		<b>SAND, clayey (SC)</b> - Strong brown (7.5YR 5/8), moist, medium dense, medium grained	Water level depth at beginning of 4/5/07 = 15.0 feet	
SS 10	▲		5-5-6	14			30		<b>SAND, silty (SM)</b> - Yellow (10YR 7/8), moist, medium dense, fine grained	Changed from a 2 7/8" to a 3 7/8" drill bit.	
UD 1	■			20					SAA Pocket Penetrometer: 4.5 TSF	Direct Push	
SS 11	▲		5-7-9	15		165.8	35		SAA except medium grained		
SS 12	▲		5-3-5	15			40		<b>SILT, sandy (ML)</b> - Pale yellow (2.5Y 7/4) and yellowish brown (10YR 5/8), moist, medium stiff to stiff, nonplastic to low plasticity, contains shell fragments and fine grained SAND lenses, -HCL	Direct Push	
UD 2	■			19		159.8			SAA Pocket Penetrometer: 1.5 TSF		
SS 13	▲		6-7-7	12		155.8	45		<b>SAND, silty (SM)</b> - Yellow (10YR 7/8), moist, medium dense, medium to coarse grained, -HCL		
SS	▲		3-2-4	15		152.8			<b>SILT, sandy (ML)</b> - Yellow (2.5Y 7/6), moist, medium stiff, fine to medium grained.		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6023**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6023		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											nonplastic to low plasticity, contains shell fragments and black manganese staining, -HCL Boring terminated at 50 feet		
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6023</b>	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6024</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1141545.9 E 619997.7</b>		BEGUN <b>4/6/2007</b>		COMPLETED <b>4/6/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>216.1</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
		20    40    60    80					216.1				
SS 1	▲		13-12-8			16	215.3			<b>GRAVEL (GP)</b> - Dark gray (7.5YR 4/1), damp, medium dense	Top of Fill at a depth of 0.0 feet
SS 2	▲		13-9-4			10				<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp to moist, medium dense, fine grained	
SS 3	▲		3-4-4			13	212.6			<b>SAA</b>	Top of Barnwell Group at a depth of 3.5 feet Installed 4" steel casing to a depth of 5.0 feet
SS 4	▲		5-7-9			13				<b>SAND, clayey (SC)</b> - Red (2.5YR 4/8), damp to moist, loose, fine to medium grained	
SS 5	▲		6-8-7			15				<b>SAA</b> except medium dense	
SS 6	▲		6-7-7			17	205.6			<b>SAA</b>	End logging by S. Woodham. Begin logging by B. Sharp.
SS 7	▲		5-7-8			13				<b>SAND, silty (SM)</b> - Red (2.5YR 4/6), moist, medium dense, fine to medium grained	
SS 8	▲		6-7-8			12				<b>SAA</b> except red (2.5YR 4/8), fine grained	
SS 9	▲		6-7-7			11				<b>SAA</b> except red (10R 4/8)	
SS 10	▲		8-9-12			8				<b>SAA</b> except red (10R 4/8) and (7.5YR 5/8), coarse grained	
SS 11	▲		5-6-9			12	184.1			<b>SAA</b> except contains some brownish yellow (10YR 6/8), medium to coarse grained	Direct Push
UD 1	■					11.5				<b>SILT, sandy (ML)</b> - Yellow (10YR 7/8) and yellowish brown (10YR 5/8), moist, stiff to very stiff, low plasticity, contains thin fine to medium grained SAND lenses, -HCL <b>SAA</b> Pocket Penetrometer; 2.25 TSF	
SS 12	▲		6-5-6			15				<b>SAA</b> except brownish yellow (10YR 6/8), stiff, contains black manganese staining	
SS 13	▲		4-11-6			18				<b>SAA</b> except very stiff, medium grained	Direct Push
UD 2	■					23	169.6			<b>SAA</b> Pocket Penetrometer: <0.25 TSF	
SS	▲		3-3-4			17	168.1 167.1 166.1			<b>SAND, silty (SM)</b> - Brownish yellow (10YR 6/8), moist, medium dense, medium grained, -HCL <b>CLAY (CL)</b> - Brownish yellow (10YR 6/8),	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6024**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6024	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
14											moist, medium stiff, low plasticity, contains fine grained SAND seams, -HCL <b>SILT, sandy (ML)</b> - Olive yellow (2.5Y 6/6), moist, medium stiff, low plasticity, fine to medium grained SAND, -HCL Boring terminated at 50 feet	

								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6024</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6025</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1140518.7 E 619189.7</b>		BEGUN <b>4/5/2007</b>		COMPLETED <b>4/5/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>172.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20   40   60   80				172.7					
SS 1	X	▲	10-14-12	18		171.2			<b>SAND, clayey (SC)</b> - Red (2.5YR 5/8), damp, medium dense, medium grained	Top of Fill at a depth of 0.0 feet	
SS 2	X	▲	10-11-12	14		169.4			<b>SAND, clayey (SC)</b> - Reddish yellow (5YR 6/8) and red (2.5YR 5/8), damp, medium dense, medium grained	Top of Barnwell Group at a depth of 1.5 feet	
SS 3	X	▲	6-9-9	18		167.2	5		<b>SAND, silty (SM)</b> - Yellowish red (5YR 3/8), moist, medium dense, medium grained		
SS 4	X	▲	12-17-21	17		164.7			<b>SAND, with silt (SP-SM)</b> - Red (2.5YR 5/6), moist, dense, medium grained, contains abundant black manganese staining	Installed 4" steel casing to a depth of 5.0 feet	
SS 5	X	▲	7-7-6	16		163.2			<b>SAND, clayey (SC)</b> - Brownish yellow (10YR 6/8), moist, medium dense, medium grained		
SS 6	X	▲	5-6-6	18		162.2	10		<b>CLAY, silty (CL-ML)</b> - Brownish yellow (10YR 6/8), moist, stiff, low to medium plasticity, -HCL		
SS 7	X	▲	4-6-7	13		159.7			<b>SAND, silty (SM)</b> - Yellow (10YR 7/8), moist, medium dense, fine to medium grained, contains shell fragments, -HCL		
						155.7	15		<b>SAND (SP)</b> - Yellow (10YR 7/8), moist, medium dense, fine grained, contains trace black manganese staining, -HCL		
SS 8	X	▲	3-4-7	18			20		<b>SILT, sandy (ML)</b> - Yellow (10YR 7/8), moist, stiff, nonplastic to low plasticity, contains shell fragments, -HCL		
UD 1	■			14		149.7			SAA Pocket Penetrometer: <0.25 TSF	Direct Push	
SS 9	X	▲	2-2-2	18		145.7	25		<b>SAND, silty (SM)</b> - Reddish yellow (7.5YR 6/5), moist to wet, very loose to loose, fine grained, -HCL		
SS 10	X	▲	2-2-3	18		140.7	30		<b>SILT, sandy (ML)</b> - Reddish yellow (7.5YR 6/8) and gray (2.5Y 6/1), moist to wet, medium stiff, nonplastic to low plasticity, fine grained SAND, -HCL		
SS 11	X	▲	3-3-7	18			35		<b>SAND, silty (SM)</b> - Yellow (2.5Y 7/6) and dark bluish gray (GLE Y2 4/10Y), wet, loose to medium dense, medium grained, -HCL		
SS 12	X	▲	1-1-1	16			40		SAA except pale yellow (5Y 8/3) and dark bluish gray (GLE Y2 4/10B), very loose, fine to medium grained, contains shell fragments, -HCL	Changed to a 2 7/8" drill bit.	
SS 13	X	▲	17-49-10	17		128.2	45		SAA except pale yellow (5Y 8/3), wet, very dense, contains large shell fragments, +HCL		
						125.7			<b>SILT (ML)</b> - Pale yellow (5Y 7/3), moist, hard, low plasticity, +HCL		
SS	X	▲	18-26-26	18		122.7			<b>SILT (ML)</b> - Dark greenish gray (GLE Y1 4/10GY), damp, hard, nonplastic to low	Top of Blue Bluff Marl at a depth of 47.0 feet	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6025**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6025	
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80							
14											plasticity, contains shell fragments and cementation Boring terminated at 50 feet	

								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6025</b>	
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<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6026</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1140537.7 E 619900.2</b>		BEGUN <b>4/10/2007</b>		COMPLETED <b>4/10/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>4 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>215.5</b> DEPTH/EL. GROUND WATER $\nabla$ / $\nabla$				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS %  □ FINES %	20 40 60 80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							215.5				
SS 1	X	▲		5-5-4	13		214.5			GRAVEL, with sand (GP)- Dark gray (5YR 4/1), damp, loose, contains organics	Top of Fill at a depth of 0.0 feet
SS 2	X	▲		5-9-10	18		214.0			SAND (SP)- Yellowish red (5YR 5/8) and yellow (2.5Y 7/6), damp, loose, fine to medium grained	Top of Barnwell Group at a depth of 1.0 feet
SS 3	X	▲		4-3-4	11		212.2	5		SAND, clayey (SC)- Red (2.5YR 4/8) and yellowish brown (10YR 5/8), damp, medium dense, medium grained	Installed 4" steel casing to a depth of 5.0 feet
SS 4	X	▲		4-6-7	11					SAND (SP)- Strong brown (7.5YR 5/8) and reddish yellow (7.5YR 6/8), damp to moist, loose, fine to medium grained	
SS 5	X	▲		4-7-8	11			10		SAA except yellow (10YR 7/8) and yellowish red (5YR 5/8), moist, medium dense, medium grained	
SS 6	X	▲		6-9-10	10					SAA except pale yellow (2.5Y 8/4) and some yellowish red (5YR 5/8), fine to medium grained	
SS 7	X	▲		6-6-9	9			15		SAA except fine grained	
							198.5			SAA except red (2.5YR 4/6) and some yellow (10YR 7/6)	
SS 8	X	▲		5-8-8	9			20		SAND, silty (SM)- Dusky red (10R 3/4) to dark red (10R 3/6), moist, medium dense, fine grained	Reamed hole with a 3 7/8" drill bit and resumed drilling with the 2 7/8" drill bit
SS 9	X	▲		5-10-11	11			25		SAA except dusky red (10R 3/4) to yellow (10YR 7/8), medium to coarse grained	
							188.5				
SS 10	X	▲		5-8-10	8.5			30		SAND, with silt (SP-SM)- Yellowish brown (10YR 5/8), moist, medium dense, fine to medium grained	
SS 11	X	▲		6-8-9	10			35		SAA except reddish yellow (5YR 6/6) and yellowish brown (10YR 5/8), moist, medium dense, medium grained, contains trace black manganese staining	
SS 12	X	▲		5-10-18	10			40		SAA except yellow (10YR 7/8)	
							173.5				
SS 13	X	▲		4-4-5	15			45		SAND, clayey (SC)- Brownish yellow (10YR 6/8) and reddish yellow (5YR 6/6), moist, loose, medium grained, contains trace black manganese staining	
							168.5				
SS	X	▲		10-9-16	12		166.0			SAND, with silt (SP-SM)- Strong brown (7.5YR 5/8) to reddish yellow (7.5YR 7/8),	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6026**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6026		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80				1st 6" 2nd 6" 3rd 6" N-COUNT		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
14									165.5			<u>moist, medium dense, fine to medium grained</u> <b>SAND, clayey (SC)</b> - Reddish yellow (7.5YR 7/8), moist, medium dense, fine to medium grained, contains black manganese staining Boring terminated at 50 feet	
									SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>			HOLE NO. <b>B-6026</b>	



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6027</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1145779.4 E 626145.1</b>				BEGUN <b>4/17/2007</b>		COMPLETED <b>4/17/2007</b>	
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>75.0</b>	
GROUND EL. <b>96.7</b> DEPTH/EL. GROUND WATER <b>▽ / ▽</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6"	N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
SS 1	X		3-6-7	4		96.7		[Cross-hatched pattern]	<b>SAND, with gravel (SP)-</b> Dark yellowish brown (10YR 3/4), damp, medium dense, fine to medium grained, angular GRAVEL	Top of Fill at a depth of 0.0 feet	
SS 2	X	▲	1-1-1	5		91.7	5	[Cross-hatched pattern]	<b>SAND, with silt (SP-SM)-</b> Dark yellowish brown (10YR 4/6), moist to wet, very loose, fine to medium grained		
SS 3	X	▲ □	2-2-3	3				[Cross-hatched pattern]	SAA except yellowish brown (10YR 5/6), wet, loose, fine grained		
SS 4	X	▲	3-1-2	4		84.7	10	[Cross-hatched pattern]	SAA except dark yellowish brown (10YR 4/6), moist, very loose, fine to medium grained		
SS 5	X	▲ □	1-1-1	4		82.2		[Cross-hatched pattern]	<b>*SAND, with silt and gravel (SP-SM)-</b> Dark yellowish brown (10YR 4/6), moist, very loose, fine to medium grained		
SS 6	X	▲	5-3-1	6		78.7	15	[Cross-hatched pattern]	<b>SAND, silty (SM)-</b> Yellowish brown (10YR 5/6), moist, very loose, fine to medium grained		
SS 7	X	▲ □	1-2-2	12			20	[Cross-hatched pattern]	<b>SAND, silty (SM)-</b> Gray (10YR 5/1), moist to wet, very loose, fine grained	Top of Alluvium at a depth of 18.0 feet Installed 3" steel casing to a depth of 20.0 feet	
SS 8	X	▲ □	4-6-8	18		69.7	25	[Cross-hatched pattern]	SAA except contains medium dense SILT seams		
SS 9	X	▲	6-8-7	12			30	[Cross-hatched pattern]	<b>SAND, silty with gravel (SM)-</b> Dark gray (10YR 4/1), medium dense, fine grained	Advanced casing to a depth of 27.0 feet	
SS 10	X	▲ □	6-8-9	12		63.2	35	[Cross-hatched pattern]	<b>*SAND, silty (SM)-</b> Very dark greenish gray (GLE Y1 3/10Y), moist, medium dense, fine to medium grained	Top of Still Branch Formation at a depth of 33.5 feet	
SS 11	X	□ ○ ▲	14-17-18	12		59.7	40	[Cross-hatched pattern]	<b>*SAND, with silt (SP-SM)-</b> Very dark greenish gray (GLE Y1 3/10Y), moist, dense, fine to medium grained		
SS 12	X	▲	10-12-14	10			45	[Cross-hatched pattern]	SAA except medium dense, coarse grained		
SS	X	□ ○ ▲	5-5-7	18				[Cross-hatched pattern]	SAA except greenish black (GLE Y1 2.5/10Y), moist to wet, fine grained		

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE **Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6027**



GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286	SHEET NO. 2 OF 2	HOLE NO. B-6027
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
13						44.7			
SS 14	⊗	▲ + +	8-11-11	18		55		*SAND, silty (SM)- Greenish gray (GLE Y1 5/10Y), wet, medium dense, fine grained, slightly micaceous	
SS 15	⊗	□ ▲ +	10-14-16	18		60		SAA	
SS 16	⊗	□ ○ ▲	5-11-19	18		34.7		*SAND, with silt (SW-SM)- Greenish black (GLE Y1 2.5/10Y), moist to wet, dense, medium grained	
SS 17	⊗	▲	14-17-18	18		70		SAA	
SS 18	⊗	▲	9-9-11	18		21.7		SAA except greenish gray (GLE Y1 6/10GY), medium dense Boring terminated at 75 feet	
					SITE	Vogtle Units 3 & 4 COL Project Final Log			HOLE NO. B-6027

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>		JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 2</b>		HOLE NO. <b>B-6028</b>	
LOGGED BY <b>B. Sharp</b>				COORDINATES <b>N 1145611.4 E 626062.4</b>		BEGUN <b>4/16/2007</b>		COMPLETED <b>4/16/2007</b>			
DRILLER <b>White-MACTEC</b>				DRILL MAKE AND MODEL <b>CME-55</b>		HOLE DIAMETER <b>3 Inches</b>		HAMMER SERIAL NUMBER <b>331145</b>		TOTAL DEPTH <b>50.0</b>	
GROUND EL. <b>95.7</b> DEPTH/EL. GROUND WATER <b>▽ /</b>				SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %	N-COUNT			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
			1st 6"	2nd 6"	3rd 6"						
							95.7				
SS 1	X			3-12-23	6					<b>GRAVEL, with sand (GP)-</b> Strong brown (7.5YR 4/6), moist, dense, medium to coarse grained SAND	Top of Fill at a depth of 0.0 feet
SS 2	X			16-50/5"	3		92.5			SAA except gray (10YR 5/1), moist, very dense	
SS 3	X	□		12-19-25	12			5		<b>*SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/4) and strong brown (7.5YR 5/6), moist, dense, fine grained	
SS 4	X			13-20-27	12					SAA except brown (10YR 5/3), fine to medium grained	
SS 5	X	□		16-24-30	14			10		SAA except yellowish brown (10YR 5/4), very dense	
SS 6	X	□		12-18-25	14		82.7			SAA except yellowish brown (10R 5/8), dense	
SS 7	X			10-16-17	12			15		<b>GRAVEL, with sand (GP)-</b> Olive gray (5Y 5/2), moist, dense	Loss of circulation at a depth of 15.0 feet
SS 8	X	▲	+ ⊕ +	3-3-4	15		77.2	20		<b>*SILT (ML)-</b> Olive gray (5Y 4/2), moist, medium stiff, low plasticity, -HCL	Top of Alluvium at a depth of 18.5 feet
							73.7				
SS 9	X			4-7-6	12			25		<b>SAND (SP)-</b> Dark gray (5Y 4/1), moist to wet, medium dense, coarse grained	Installed 3" steel casing to a depth of 25.0 feet
SS 10	X	▲	○	2-2-3	12			30		SAA except loose, medium to coarse grained	
SS 11	X			2-3-4	12			35		SAA except very dark gray (5Y 3/1), wet, contains black manganese staining	
SS 12	X	▲	○	3-4-4	12			40		SAA except dark gray (2.5Y 4/1) and light brownish gray (2.5Y 6/2), coarse grained	
SS 13	X			4-3-4	12			45		SAA except light brownish gray (2.5Y 6/2)	
							48.7				
SS	X	▲	○	4-5-5	12		45.7			<b>*SAND, with silt (SW-SM)-</b> Grayish brown (2.5Y 5/2), wet, loose to medium dense, coarse	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>B-6028</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6028		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											to very coarse grained Boring terminated at 50 feet		
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6028</b>	

GEOTECHNICAL LOG			PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286	SHEET NO. 1 OF 2	HOLE NO. B-6029		
LOGGED BY B. Sharp			COORDINATES N 1147771.7 E 623966.6			BEGUN 4/12/2007	COMPLETED 4/12/2007		
DRILLER White-MACTEC			DRILL MAKE AND MODEL CME-55		HOLE DIAMETER 4 Inches	HAMMER SERIAL NUMBER 331145	TOTAL DEPTH 50.0		
GROUND EL. 85.4		DEPTH/EL. GROUND WATER ▽ / ▽ /	SITE: Vogtle Electric Generating Plant - Waynesboro, GA						
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80	N-COUNT 1st 6" 2nd 6" 3rd 6"	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
SS 1	▲		WOH/6"-1-1	7.5	85.4			SILT (ML)- Dark brown (7.5YR 3/4), moist, soft, fine grained, contains organics	Top of Alluvium at a depth of 0.0 feet
SS 2	×		WOH/18"	0	83.9			NO RECOVERY	
SS 3	▲	+ ○ □	1-1-1	17	82.2			*SAND, clayey (SC)- Dark greenish gray (GLE Y1 4/10Y), moist, very loose, nonplastic to low plasticity, fine grained, contains organics	Installed 4" steel casing to a depth of 5.0 feet and resumed drilling with a 2 7/8" drill bit.
SS 4	×		WOH/12"-1	17	79.9	5		SILT, with sand (ML)- Dark greenish gray (GLE Y1 4/10GY), moist, very soft, nonplastic, fine grained SAND, contains organics, -HCL	
SS 5	×	+ - ○ + □	WOH/18"	18	76.9			*CLAY, sandy (CL)- Greenish gray (GLE Y1 5/5GY), moist to wet, very soft, nonplastic, fine to coarse grained SAND, contains cemented shell fragments, +HCL	
SS 6	▲	○ □	30-11-6	15	74.9	10		SAND, silty (SM)- Greenish gray (GLE Y1 6/5GY), wet, medium dense, contains cemented shell fragments, +HCL	
SS 7	×		2-1-1	7		15		SAA except very loose	
SS 8	▲	+ - ○ - □ +	1-2-1	14	68.4			*CLAY, sandy (CH)- Dark greenish gray (GLE Y1 4/5GY), wet, soft, contains shell fragments, +HCL	Top of Still Branch Formation at a depth of 26.7 feet
SS 9	×	▲	1-1-9	15		20		SILT, sandy (ML)- Dark gray (GLE Y1 4/N) and olive (5Y 5/3), wet, stiff, nonplastic to low plasticity, fine to very coarse grained SAND, contains shell fragments	
SS 10	×	▲	20-23-27	18	63.7			SAND, with silt (SP-SM)- Gray (GLE Y1 5/N), wet, dense to very dense, very fine to fine grained, -HCL	
SS 11	×		39-50/5"	11	58.7	25		SAA except gray (GLE Y1 5/N) to dark gray (GLE Y1 4/N), very dense, fine grained	
SS 12	×	▲ ○	6-4-6	17		30		SAA except very dark greenish gray (GLE Y1 3/5GY), loose to medium dense, medium to coarse grained	
SS 13	×	▲	6-9-7	15		35		SAA except dark gray (GLE Y1 4/N), medium dense, fine grained	
SS	×	▲	3-4-5	18		40		SAA except loose, contains CLAY lenses	
					35.4				
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE				SITE Vogtle Units 3 & 4 COL Project Final Log				HOLE NO. B-6029	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
**Vogtle Units 3 & 4 COL Project**  
**Final Log**

HOLE NO.  
**B-6029**

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6029			
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"		RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>( * = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80									
14												Boring terminated at 50 feet		
													SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>	HOLE NO. <b>B-6029</b>

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project		JOB NO. 6141-06-0286		SHEET NO. 1 OF 2		HOLE NO. B-6030	
LOGGED BY B. Sharp				COORDINATES N 1147588.1 E 624222.6		BEGUN 4/12/2007		COMPLETED 4/12/2007			
DRILLER White-MACTEC				DRILL MAKE AND MODEL CME-55		HOLE DIAMETER 4 Inches		HAMMER SERIAL NUMBER 331145		TOTAL DEPTH 50.0	
GROUND EL. 88.4				SITE: Vogtle Electric Generating Plant - Waynesboro, GA							
SAMP. TYPE AND NO.	DEPTH/EL. /	GROUND WATER	1st 6" N-COUNT	2nd 6" N-COUNT	3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
							88.4				
SS 1	▲	+	1-1-2	12			86.9			SAND, with clay (SP-SC)- Dark reddish brown (2.5YR 3/4), moist, very loose, fine to medium grained, contains organics	Top of Alluvium at a depth of 0.0 feet
SS 2	▲	+	2-3-4	13			85.1			*CLAY, sandy (CL)- Brown (7.5YR 5/3), moist, medium stiff, low plasticity, fine to medium grained SAND	
SS 3	▲		2-2-3	16			82.9	5		SAND, silty (SM)- Mottled yellowish brown (10YR 5/8) and light gray (10YR 7/1), moist, loose, fine to medium grained	
SS 4	▲	+	1-2-2	14						*SAND, clayey (SC)- Mottled reddish yellow (7.5YR 6/6) and light gray (10YR 7/1), moist, very loose to loose, low plasticity, fine to medium grained	Installed 4" steel casing to a depth of 5.0 feet and resumed drilling with a 2 7/8" drill bit.
SS 5	▲		2-1-2	15			77.9	10		SAA except very loose	
SS 6	▲		1-1-2	18			75.4			SAND, silty (SM)- Greenish gray (GLE Y1 5/5GY), moist to wet, very loose, fine to medium grained, -HCL	
SS 7	▲		1-1-1				71.4	15		NO RECOVERY	
SS 8	▲		1-1-1	18				20		SAA except very dark gray (GLE Y1 3/N), wet, very fine grained, contains organics	
SS 9	▲	+	1-1-1	18				25		SAA	
SS 10	▲		2-2-2	3			56.4	30		SAA	
SS 11	▲		4-8-9	18				35		*SAND, with silt (SP-SM)- Dark gray (GLE Y1 4/N), wet, medium dense, very fine to fine grained, contains wood fragments	
SS 12	▲		5-12-10	17			46.4	40		SAA except fine grained	
SS 13	▲	+	3-3-4	18			41.4	45		*CLAY, sandy (CH)- Dark gray (GLE Y1 4/N), wet, medium stiff, very fine grained SAND, -HCL	Top of Still Branch Formation at a depth of 42.0 feet
SS	▲		3-5-8				38.4			SAND, silty (SM)- Dark greenish gray (GLE Y1 4/10Y), wet, medium dense, medium	

PREPARED BY: A. TAYLOR  
REVIEWED BY: P. DEPREE

SITE  
Vogtle Units 3 & 4 COL Project  
Final Log

HOLE NO.  
B-6030

GEOTECHNICAL LOG				PROJECT Vogtle Units 3 & 4 COL Project			JOB NO. 6141-06-0286		SHEET NO. 2 OF 2		HOLE NO. B-6030		
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION (* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80								
14											to coarse grained Boring terminated at 50 feet		
								SITE Vogtle Units 3 & 4 COL Project <b>Final Log</b>				HOLE NO. <b>B-6030</b>	

## **GEOTECHNICAL TEST PIT LOGS**



<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1108</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1144312.5 E 621145.9</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>12.2</b>			
GROUND EL. <b>264.1</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							


SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING						
		20	40	60	80															
BK 1	○ □							42	264.1											
									263.6											
									261.1											
									5											
									255.6											
									252.1											
													Test pit terminated at 12.2 feet							

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1108</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1117</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1143967.3 E 621627.5</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>9.0</b>			
GROUND EL. <b>269.5</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							



  

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80	1st 6"	2nd 6"	3rd 6"							
BK 1									12	269.5					
										267.5					
										267.0					
										260.5					
														<b>SAND, with silt (SP-SM)-</b> Light red (2.5YR 6/8), damp, fine to medium grained <b>TOPSOIL -</b> Contains organics <b>*SAND, with silt (SP-SM)-</b> Yellow (10R 7/8), damp, fine grained  Test pit terminated at 9.0 feet due to hole cave in.	Edge of landfill pit  Top of Barnwell Group at a depth of 2.0 feet  Test pit beginning to cave due to loose SAND Sample retrieved from a 20" bucket.







  

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1117</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1121</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1143591.7 E 620401.5</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>14.0</b>			
GROUND EL. <b>241.2</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							






SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
		20	40	60	80									
BK 1									12	241.2			<p><b>*SAND, silty (SM)</b>- Brownish yellow (10YR 6/8) and bluish grey (GLE2 6/5BP), moist, fine to medium grained</p> <p>SAA except wet</p> <p>SAA except contains scattered plastic debris</p> <p><b>SAND, clayey (SC)</b>- Dark yellowish brown (10YR 4/6), moist to wet, fine to medium grained</p> <p>Test pit terminated at 14.0 feet</p>	<p>Top of Fill at a depth of 0.0 feet</p> <p>Sample retrieved from a 20" bucket.</p> <p>Test pit began caving at a depth of 14.0 feet</p>

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1121</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1125</b>																																																																			
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1143603.7 E 621685.8</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>																																																																					
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER			TOTAL DEPTH <b>11.0</b>																																																																				
GROUND EL. <b>240.6</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽ /</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>																																																																									
<table border="1"><thead><tr><th rowspan="2">SAMP. TYPE AND NO.</th><th rowspan="2">SAMPLE</th><th colspan="4">▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80</th><th colspan="3">N-COUNT 1st 6" 2nd 6" 3rd 6"</th><th rowspan="2">RECOVERY (in)</th><th rowspan="2">ELEVATION IN FEET</th><th rowspan="2">DEPTH IN FT</th><th rowspan="2">GRAPHICS</th><th rowspan="2">DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small></th><th rowspan="2">NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td rowspan="4">BK 1</td><td rowspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td rowspan="4">36</td><td></td><td></td><td></td><td rowspan="4"></td><td><b>SAND, silty (SM)-</b> Red (2.5YR 5/8), damp, fine to medium grained, contains GRAVEL, blocks of cemented Utley Limestone, slab of high strength grout (at a depth of 4.0 feet), plastic and trash</td><td>Top of Fill at a depth of 0.0 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><b>SAND, with silt (SP-SM)-</b> Red (10R 4/8), moist, fine to medium grained</td><td rowspan="3">Sample retrieved from a 20" bucket.</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SAA except yellow (10YR 6/8)</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Test pit terminated at 11.0 feet</td></tr></tbody></table>														SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING								BK 1									36					<b>SAND, silty (SM)-</b> Red (2.5YR 5/8), damp, fine to medium grained, contains GRAVEL, blocks of cemented Utley Limestone, slab of high strength grout (at a depth of 4.0 feet), plastic and trash	Top of Fill at a depth of 0.0 feet									<b>SAND, with silt (SP-SM)-</b> Red (10R 4/8), moist, fine to medium grained	Sample retrieved from a 20" bucket.									SAA except yellow (10YR 6/8)									Test pit terminated at 11.0 feet
SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20 40 60 80				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>			NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING																																																															
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											SAA except yellow (10YR 6/8)																																																																				
											Test pit terminated at 11.0 feet																																																																				
PREPARED BY: A. TAYLOR REVIEWED BY: P. DEPREE										SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1125</b>																																																																	

<b>GEOTECHNICAL LOG</b>			PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>			JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1185</b>	
LOGGED BY <b>M. Cooke</b>			COORDINATES <b>N 1144634.2 E 622242.2</b>			BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>			DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>11.0</b>		
GROUND EL. <b>225.2</b>			DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>						





SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80										
BK 1									12	225.2					
										224.2			<b>SAND, with silt (SP-SM)-</b> Yellowish brown (10YR 5/8), moist, fine to medium grained	Top of Fill at a depth of 0.0 feet	
										223.7			<b>GRAVEL, with silt (GP-GM)</b>	Top of Barnwell Group at a depth of 1.5 feet	
										219.2	5		<b>CLAY, with sand (CL)-</b> Pale yellow (2.5Y 8/2), moist, fine to medium grained SAND, contains traces of muscaite		
										214.2	10		<b>SILT, with sand (ML)-</b> Pale yellow (2.5Y 8/2), dry to damp, fine grained SAND SAA except contains slightly inundated layers, laminated structure, and manganese staining along lamination planes	Sample retrieved from a 20" bucket.	
													Test pit terminated at 11.0 feet		

PREPARED BY: A. TAYLOR			SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>			HOLE NO. <b>TP-B-1185</b>		
REVIEWED BY: P. DEPREE			<b>Final Log</b>					

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1194</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1147500.6 E 621708.5</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>11.5</b>			
GROUND EL. <b>202.7</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20   40   60   80				N-COUNT 1st 6"   2nd 6"   3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
										202.7				
BK 1									12	202.2	5		<b>TOPSOIL</b> <b>*SAND, with silt (SP-SM)-</b> Yellow (10YR 7/6) and very pale brown (10YR 7/3), damp, medium grained contains organics	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 0.5 feet
BK 2									42	194.7	10		<b>*SAND, clayey (SC)-</b> Mottled red (2.5YR 5/8) and yellow (10YR 8/8), moist, fine grained	Sample retrieved from a 20" bucket.
										191.2			Test pit terminated at 11.5 feet	Sample retrieved from a 20" bucket.

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1194</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							




<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1195</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1147648.4 E 622363.1</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>8.0</b>			
GROUND EL. <b>212.2</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES % 20    40    60    80	1st 6" 2nd 6" 3rd 6" N-COUNT	RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer )</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING
					212.2			<b>SAND (SP)</b> - Yellow (2.5Y 7/8), damp to dry, fine to medium grained	Top of Barnwell Group at a depth of 0.0 feet
					204.2	5		Test pit terminated at 8.0 feet	

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1195</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							

<b>GEOTECHNICAL LOG</b>				PROJECT <b>Vogtle Units 3 &amp; 4 COL Project</b>				JOB NO. <b>6141-06-0286</b>		SHEET NO. <b>1 OF 1</b>		HOLE NO. <b>TP-B-1197</b>	
LOGGED BY <b>M. Cooke</b>				COORDINATES <b>N 1146874.4 E 622074.6</b>				BEGUN <b>3/29/2007</b>		COMPLETED <b>3/29/2007</b>			
DRILLER <b>Graves Drilling</b>				DRILL MAKE AND MODEL <b>CAT 315L</b>		HOLE DIAMETER <b>3' x 20'</b>		HAMMER SERIAL NUMBER		TOTAL DEPTH <b>11.0</b>			
GROUND EL. <b>245.9</b>				DEPTH/EL. GROUND WATER <b>▽ / ▽</b>		SITE: <b>Vogtle Electric Generating Plant - Waynesboro, GA</b>							

SAMP. TYPE AND NO.	SAMPLE	▲ N-VALUE (SPT) ○ WATER CONTENT % + ATT. LIMITS % □ FINES %				N-COUNT 1st 6" 2nd 6" 3rd 6"			RECOVERY (in)	ELEVATION IN FEET	DEPTH IN FT	GRAPHICS	DESCRIPTION AND CLASSIFICATION <small>(* = field classification adjusted based on laboratory testing data and/or re-examination of sample by field geologist/engineer)</small>	NOTES ON: WATER LEVELS, CHARACTER OF DRILLING AND LABORATORY TESTING	
		20	40	60	80										
										245.9					
BK 1									72	244.4	5		<b>TOPSOIL</b>	Top of Fill at a depth of 0.0 feet Top of Barnwell Group at a depth of 1.5 feet  Sample retrieved from a 20" bucket.	
											10		<b>SAND, with silt (SP-SM)-</b> Brownish yellow (10YR 6/8), damp, fine to medium grained, subangular to subrounded  SAA except reddish yellow (5YR 6/8)		
										234.9			Test pit terminated at 11.0 feet		

PREPARED BY: A. TAYLOR				SITE <b>Vogtle Units 3 &amp; 4 COL Project</b>				HOLE NO. <b>TP-B-1197</b>			
REVIEWED BY: P. DEPREE				<b>Final Log</b>							