

CC-B2 – Boxes 1 and 2



CC-B2 – Boxes 3 and 4



CC-B2 – Boxes 5 and 6



CC-B2 – Box 7



GEOTECHNICAL BORING LOG

Prepared By: MBL Date: 3/5/14

Checked By: JCM Date: 3/5/14

SHEET 1 OF 1

[illegible]



GEOTECHNICAL BORING LOG

Prepared By: MBL Date: 3/5/14Checked By: JCM Date: 3/5/14

SHEET 1 OF 1

BECHTEL NO.: 25847			AMEC PROJECT NO.: 6468-13-1072			COUNTY: Roane, TN			GEOLOGIST: N. Smith			
SITE DESCRIPTION: Clinch River SMR Project, Roane County, Tennessee						DRILLER: J. Elswick (TVA Operator)			Boring Orientation			
BORING NO.: TP-2			DRILL METHOD: NA-Test Pit Excavation			DRILL MACHINE: CAT 314C-LCR Excavator			Inclination: NA			
GROUND ELEV.: 811.5 ft (NAVD88)			NORTHING: 570,932 US ft (NAD83)			EASTING: 2,448,045 US ft (NAD83)			Azimuth: NA			
TOTAL DEPTH: 3.0 ft			SAMPLE METHODS: ASTM D 2488-09a			ROD TYPE: NA			HAMMER (ID): NA			
DATE STARTED: 9/19/13			COMPLETED: 9/19/13			HOLE DIA.: NA			CASING DEPTH: NA ft			
CORE SIZE: NA			BITS USED: NA									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	L O G	SOIL DESCRIPTION AND REMARKS
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100		
811.5					Ground Surface							811.5 0.0
810.5	1.0									S-1		810.5 1.0 FILL: CLAYEY GRAVEL (GC), dusky red (10R 3/2), moist, low plasticity fines, trace fine to coarse sand, trace root fragments, strong HCL reaction
												808.0 2.5 FILL: Gravelly LEAN CLAY with Sand (CL), strong brown (7.5YR 5/6) and dusky red (10R 3/2), moist, medium plasticity fines, little fine to coarse gravel, little fine to coarse sand, trace root fragments, strong HCL reaction
												808.0 3.0 WEATHERED ROCK: CALCAREOUS SILTSTONE, sampled as WELL GRADED GRAVEL with Silt (GW-GM), dusky red (10R 3/2), moist, non-plastic fines, few coarse sand, strong HCL reaction
												Test pit terminated at 3.0 feet.
												NOTE:
												Bulk samples collected:
												1.0-2.5ft: S-1, three 5-gallon buckets with lids and two soil jars
												The Northing/Easting and Ground Elevation shown above are for the northern most corner of the test pit location.

CLINCH RIVER SMR BORE FINAL - CLINCH FINAL LOGS.GPJ CLINCH BORING DATA TEMPLATE.GDT 3/5/14



GEOTECHNICAL BORING LOG

Prepared By: MBL Date: 3/5/14

Checked By: JCM Date: 3/5/14

SHEET 1 OF 1

BECHTEL NO.: 25847			AMEC PROJECT NO.: 6468-13-1072			COUNTY: Roane, TN			GEOLOGIST: N. Smith				
SITE DESCRIPTION: Clinch River SMR Project, Roane County, Tennessee						DRILLER: J. Elswick (TVA Operator)			Boring Orientation				
BORING NO.: TP-3			DRILL METHOD: NA-Test Pit Excavation			DRILL MACHINE: CAT 314C-LCR Excavator			Inclination: NA				
GROUND ELEV.: 800.5 ft (NAVD88)			NORTHING: 569,036 US ft (NAD83)			EASTING: 2,449,643 US ft (NAD83)			Azimuth: NA				
TOTAL DEPTH: 12.0 ft			SAMPLE METHODS: ASTM D 2488-09a						ROD TYPE: NA		HAMMER (ID): NA		
DATE STARTED: 9/19/13			COMPLETED: 9/19/13		HOLE DIA.: NA		CASING DEPTH: NA ft		CORE SIZE: NA		BITS USED: NA		
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	L O G	SOIL DESCRIPTION AND REMARKS	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
800.5					Ground Surface							800.5	0.0
797.5	3.0									S-1		COLLUVIUM: CLAYEY SAND with Gravel (SC), dark red (2.5YR 3/6), moist, fine to coarse sand, nonplastic to low plasticity fines, little fine to coarse gravel, some fine to coarse sand, no HCl reaction (possible terrace deposits)	
790.5	10.0									S-2		793.5	7.0
												RESIDUAL SOIL: SILT (ML), dark reddish brown (2.5YR 3/3), red (2.5YR 4/6), and grayish brown (2.5Y 5/2), moist, non-plastic to low plasticity fines, trace fine sand, saprolitic, no HCl reaction	
												788.5	12.0
Test pit terminated at 12.0 feet.													
NOTE:													
Bulk samples collected:													
3.0-6.0ft: S-1, two 5-gallon buckets with lids and two soil jars													
10.0-12.0ft: S-2, two 5-gallon buckets with lids and two soil jars													
The Northing/Easting and Ground Elevation shown above are for the northern most corner of the test pit location.													

CLINCH RIVER SMR BORE FINAL CLINCH FINAL LOGS.GPJ CLINCH BORING DATA TEMPLATE.GDT 3/5/14