



BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA				GEOLOGIST: K. Lloyd							
SITE DESCRIPTION: North Anna Power Station, Unit 3								DRILLER: P. Pitts				FLUID LEVEL (ft)							
BORING NO.: W-7				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)				0 HR. NA							
GROUND ELEV.: 303.1 ft (NAVD88)				NORTHING: 3,909,731 US ft (NAD83)				EASTING: 11,686,147 US ft (NAD83)				24 HR. 15.2							
TOTAL DEPTH: 151.2 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						ROD TYPE: AWJ		HAMMER (ID): 140-lb. Auto (MEC-21)									
DATE STARTED: 10/20/09		COMPLETED: 10/23/09		HOLE DIA.: 4"		CASING DEPTH: 63.1 ft		CORE SIZE: HQ3		BITS USED: 3-7/8" Tri-Cone									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION						
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100									
303.1					Ground Surface								303.1	0.0					
														No sampling from 0.0 to 9.5 feet due to soft dig utility clearance by Dominion Personnel					
293.6	9.5												293.6	9.5					
291.8	11.3	3	6	9							SS-1			RESIDUAL SOIL: Silty SAND (SM), brownish yellow (10YR 6/6), medium dense, moist, fine to coarse grained sand, trace to few mica, relict rock fabric					
		5	7	7							SS-2								
289.0	14.1										SS-3			11.3 ft: Light yellowish brown (10YR 6/4), few gravel sized quartz and rock fragments					
		2	6	10									286.1	14.1 ft: No quartz rock fragments					
283.6	19.5										SS-4			RESIDUAL SOIL: SILT (ML), dark yellowish brown (10YR 4/6), medium stiff, moist, few fine sand, some mica, relict rock fabric					
		1	2	3									281.1	22.0					
278.8	24.3										SS-5			RESIDUAL SOIL: Sandy SILT (ML), light brownish gray (10YR 6/2), stiff, moist, fine sand, some mica, trace quartz fragments, relict rock fabric					
		1	3	6									276.1	27.0					
273.8	29.3										SS-6			RESIDUAL SOIL: SILT (ML), yellowish brown (10YR 5/8), medium stiff, moist, few fine sand, some mica, relict rock fabric					
		1	2	3									271.1	32.0					
268.8	34.3										SS-7			RESIDUAL SOIL: Silty SAND (SM), brownish yellow (10YR 6/6), medium dense, moist, fine to coarse grained sand, some mica, relict rock fabric					
		5	12	13									266.1	37.0					
263.8	39.3										SS-8			RESIDUAL SOIL: Sandy SILT (ML), brown (10YR 5/3), very stiff, moist, fine sand, some mica, few quartz fragments, relict rock fabric					
		4	9	11										44.3 ft: Stiff					
258.8	44.3										SS-9			256.1 47.0					
		2	4	6										RESIDUAL SOIL: Silty SAND (SM), brown (10YR 5/3), very dense, moist, fine to coarse grained sand, some mica, relict rock fabric					
253.8	49.3										SS-10								
		18	35	50/0.1															
248.8	54.3										SS-11			247.1 56.0					
		25	20	50/0.2										WEATHERED ROCK: Severely weathered, BIOTITE GNEISS (Sampled as Silty SAND (SM), very dark grayish brown (10YR 3/2), very dense, moist, fine to coarse grained sand and rock fragments, some mica)					
243.8	59.3										SS-12								
		100/0.6																	
238.8	64.3										SS-13			238.7 64.4					
		50/0.1												HARD ROCK: Dark gray to black, moderately severe to moderately weathered, close to moderately close fracturing, medium to moderately hard, BIOTITE GNEISS					
														68.7 ft: No recovery in severely weathered rock zone (BIOTITE GNEISS) to 76.2 ft					


NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



SHEET 2 OF 3

BECHTEL PROJECT NO.: 25161			MACTEC PROJECT NO.: 6468-09-2473			COUNTY: Louisa, VA			GEOLOGIST: K. Lloyd				
SITE DESCRIPTION: North Anna Power Station, Unit 3						DRILLER: P. Pitts			FLUID LEVEL (ft)				
BORING NO.: W-7			DRILL METHOD: Mud Rotary/Rock Core			DRILL MACHINE: CME-55 Track (RAL)			0 HR. NA				
GROUND ELEV.: 303.1 ft (NAVD88)			NORTHING: 3,909,731 US ft (NAD83)			EASTING: 11,686,147 US ft (NAD83)			24 HR. 15.2				
TOTAL DEPTH: 151.2 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08				ROD TYPE: AWJ		HAMMER (ID): 140-lb. Auto (MEC-21)					
DATE STARTED: 10/20/09		COMPLETED: 10/23/09		HOLE DIA.: 4"		CASING DEPTH: 63.1 ft		CORE SIZE: HQ3		BITS USED: 3-7/8" Tri-Cone			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
228.3					Continued from previous page								
													<p>HARD ROCK: Dark gray to black, moderately severe to moderately weathered, close to moderately close fracturing, medium to moderately hard, BIOTITE GNEISS (continued) 78.2 ft: No recovery in severely weathered, fractured rock zone (BIOTITE GNEISS) to 80.2 ft 81.0 ft: Lost drill fluid circulation 82.5 ft: Regained approximately 50% drill fluid circulation</p>
													<p>211.9</p> <p>HARD ROCK: Black, slightly weathered, close to moderately close fracturing, hard, BIOTITE GNEISS</p> <p>98.3 ft: No recovery in severely weathered, fractured rock zone (BIOTITE GNEISS) to 99.3 ft</p>
													<p>186.9</p> <p>HARD ROCK: Black, fresh, wide fracturing, hard to very hard, BIOTITE GNEISS</p>
													<p>116.2</p>

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

BECHTEL PROJECT NO.: 25161					MACTEC PROJECT NO.: 6468-09-2473					COUNTY: Louisa, VA			GEOLOGIST: K. Lloyd		
SITE DESCRIPTION: North Anna Power Station, Unit 3										DRILLER: P. Pitts				FLUID LEVEL (ft) 0 HR. NA 24 HR. 15.2	
BORING NO.: W-7					DRILL METHOD: Mud Rotary/Rock Core					DRILL MACHINE: CME-55 Track (RAL)					
GROUND ELEV.: 303.1 ft (NAVD88)					NORTHING: 3,909,731 US ft (NAD83)					EASTING: 11,686,147 US ft (NAD83)					
TOTAL DEPTH: 151.2 ft			SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08							ROD TYPE: AWJ		HAMMER (ID):140-lb. Auto (MEC-21)			
DATE STARTED: 10/20/09			COMPLETED: 10/23/09			HOLE DIA.: 4"		CASING DEPTH: 63.1 ft		CORE SIZE: HQ3		BITS USED: 3-7/8" Tri-Cone			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft 0.5ft 0.5ft			BLOWS PER FOOT 0 20 40 60 80 100					SAMP. NO.		L O G	SOIL AND ROCK DESCRIPTION		
153.5					Continued from previous page										
													151.9	151.2	
													Boring and coring terminated at 151.2 feet.		
													Boring closed by tremie method with cement-bentonite grout.		
													24 hour water level measured on 10/21/2009 prior to drilling. Borehole was at a depth of 54.3 feet.		



SHEET 1 OF 2


BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA		GEOLOGIST: K. Lloyd		
SITE DESCRIPTION: North Anna Power Station, Unit 3								DRILLER: P. Pitts		FLUID LEVEL (ft) 0 HR. NA 24 HR. 15.2		
BORING NO.: W-7				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)				
GROUND ELEV.: 303.1 ft		(NAVD88)		NORTHING: 3,909,731		US ft (NAD83)		EASTING: 11,686,147		US ft (NAD83)		
TOTAL DEPTH: 151.2 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08								HAMMER (ID): 140-lb. Auto (MEC-21)		
DATE STARTED: 10/20/09		COMPLETED: 10/23/09		CASING DEPTH: 63.1 ft		CORE BARREL TYPE: Wireline HQ3 Triple Tube, series 6 & 10 bits						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %RQD (ft) %		SAMP. NO.	STRATA REC. (ft) %RQD (ft) %		L O G	DESCRIPTION AND REMARKS		
										Begin Coring @ 64.4 ft		
238.7 236.9	64.4 66.2	1.8 5.0	4:03 3:48/0.8 5:26 4:33 3:48 3:38 2:39	(1.8) 100% (2.5) 50%	(1.4) 78% (1.2) 24%	RUN 1 RUN 2	(21.9) 82%	(15.1) 56%		238.7	HARD ROCK: Dark gray to black, moderately severe to moderately weathered, close to moderately close fracturing, medium to moderately hard, BIOTITE GNEISS (2 joints at 0-10°, open) (2 joints at 0-10°, open) 68.7 ft: No recovery in severely weathered rock zone (BIOTITE GNEISS) to 76.2 ft (4 joints at 20-30°, tight to open with trace clay; 5 joints at 60-70°, tight with trace clay)	64.4
231.9	71.2	5.0	5:46 3:37 5:05 5:37 10:15	(4.6) 92%	(1.4) 28%	RUN 3						
226.9	76.2	5.0	3:27 4:06 3:04 4:16 6:32	(3.0) 60%	(3.0) 60%	RUN 4					(2 joints at 10-20°, open with clay) 78.2 ft: No recovery in severely weathered, fractured rock zone (BIOTITE GNEISS) to 80.2 ft	
221.9	81.2	5.0	5:50 4:16 3:22 2:41 3:10	(5.0) 100%	(3.7) 74%	RUN 5					81.0 ft: Lost drill fluid circulation (8 joints at 0-10°, open) 82.5 ft: Regained approximately 50% drill fluid circulation	
216.9	86.2	5.0	5:08 3:34 4:15 6:08 3:27	(5.0) 100%	(4.4) 88%	RUN 6					(4 joints at 20-30°, tight with trace clay and orange staining; 3 joints at 60-70°, tight to open with clay and orange staining)	
211.9	91.2	5.0	5:08 3:34 4:12 3:45 4:20	(5.0) 100%	(5.0) 100%	RUN 7	(24.0) 96%	(21.4) 86%		211.9	HARD ROCK: Black, slightly weathered, close to moderately close fracturing, hard, BIOTITE GNEISS (3 joints at 0-10°, open with clay; 1 joint at 20°, tight; 2 joints at 70-80°, tight with trace clay)	91.2
206.9	96.2	5.0	4:02 2:50 3:03 3:02 3:24	(4.0) 80%	(2.6) 52%	RUN 8					(5 joints at 10-20, tight to open with clay and iron staining; 2 joints at 50-60°, open with clay and iron staining) 98.3 ft: No recovery in severely weathered, fractured rock zone (BIOTITE GNEISS) to 99.3 ft	
201.9	101.2	5.0	2:53 3:14 3:08 3:12 3:27	(5.0) 100%	(5.0) 100%	RUN 9					(1 joints at 10°, tight; 2 joints at 30-40°, tight)	
196.9	106.2	5.0	3:31 4:34 3:11 4:13 4:07	(5.0) 100%	(4.8) 96%	RUN 10					(4 joints at 30-40°, tight to open with clay; quartz vein at 110.0 ft with trace pyrite)	
191.9	111.2	5.0	4:28 4:22 3:46 4:07 3:14	(5.0) 100%	(4.0) 80%	RUN 11					(2 joints at 30-40°, tight; 2 joints at 70-80°, open with clay)	
186.9	116.2	5.0	3:48 4:20 3:18 4:38 4:20	(5.0) 100%	(5.0) 100%	RUN 12	(35.0) 100%	(35.0) 100%		186.9	HARD ROCK: Black, fresh, wide fracturing, hard to very hard, BIOTITE GNEISS (No joints)	116.2
181.9	121.2	5.0	4:21 4:30 3:02 4:06 4:17	(5.0) 100%	(5.0) 100%	RUN 13					(2 joints at 50°, tight with trace clay)	
176.9	126.2	5.0	3:03 3:47 3:04 3:46 3:21	(5.0) 100%	(5.0) 100%	RUN 14					(No joints)	
171.9	131.2	5.0	4:09 3:01 3:20 4:01 3:32	(5.0) 100%	(5.0) 100%	RUN 15					(No joints)	
166.9	136.2	5.0	4:56 4:09 3:46	(5.0) 100%	(5.0) 100%	RUN 16					(1 joint at 70°, tight with trace clay)	

NORTH ANNA 3 CORE, NORTH ANNA 3 PROJECT, GPJ, NORTH ANNA 3, GDT, 12/3/09

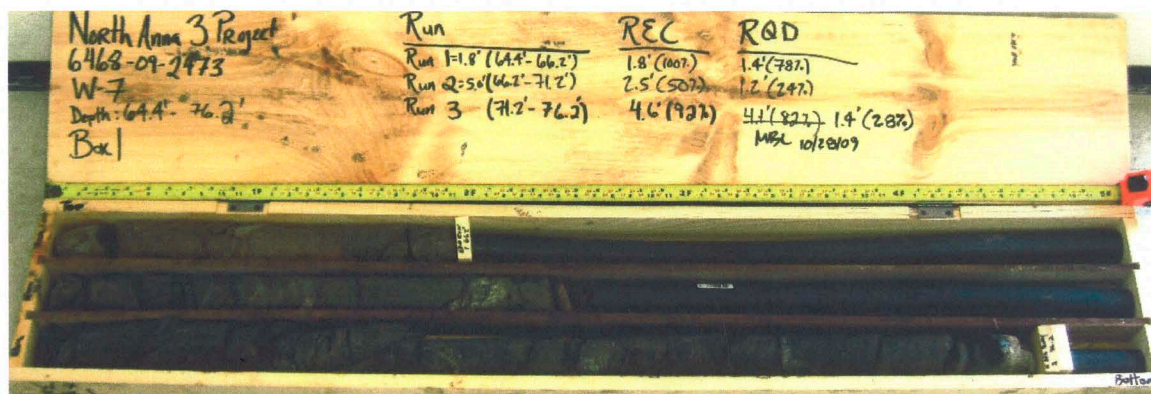


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA				GEOLOGIST: K. Lloyd			
SITE DESCRIPTION: North Anna Power Station, Unit 3								DRILLER: P. Pitts				FLUID LEVEL (ft)			
BORING NO.: W-7				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)				0 HR. NA			
GROUND ELEV.: 303.1 ft (NAVD88)				NORTHING: 3,909,731 US ft (NAD83)				EASTING: 11,686,147 US ft (NAD83)				24 HR. 15.2			
TOTAL DEPTH: 151.2 ft				SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08								HAMMER (ID): 140-lb. Auto (MEC-21)			
DATE STARTED: 10/20/09				COMPLETED: 10/23/09				CASING DEPTH: 63.1 ft				CORE BARREL TYPE: Wireline HQ3 Triple Tube, series 6 & 10 bits			

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC. (ft) %	RQD (ft) %		REC. (ft) %	RQD (ft) %		
										Continued from previous page
161.9	141.2		3:37 3:11							 <p>HARD ROCK: Black, fresh, wide fracturing, hard to very hard, BIOTITE GNEISS (<i>continued</i>) (1 joint at 70°, tight with trace clay)</p> <p>(No joints)</p>
		5.0	3:17 2:41 3:10 3:35 4:17	(5.0) 100%	(5.0) 100%	RUN 17				
156.9	146.2									
		5.0	3:17 3:33 3:09 3:01 3:28	(5.0) 100%	(5.0) 100%	RUN 18				
151.9	151.2									151.9
<p>Boring and coring terminated at 151.2 feet.</p> <p>Boring closed by tremie method with cement-bentonite grout.</p> <p>24 hour water level measured on 10/21/2009 prior to drilling. Borehole was at a depth of 54.3 feet.</p>										

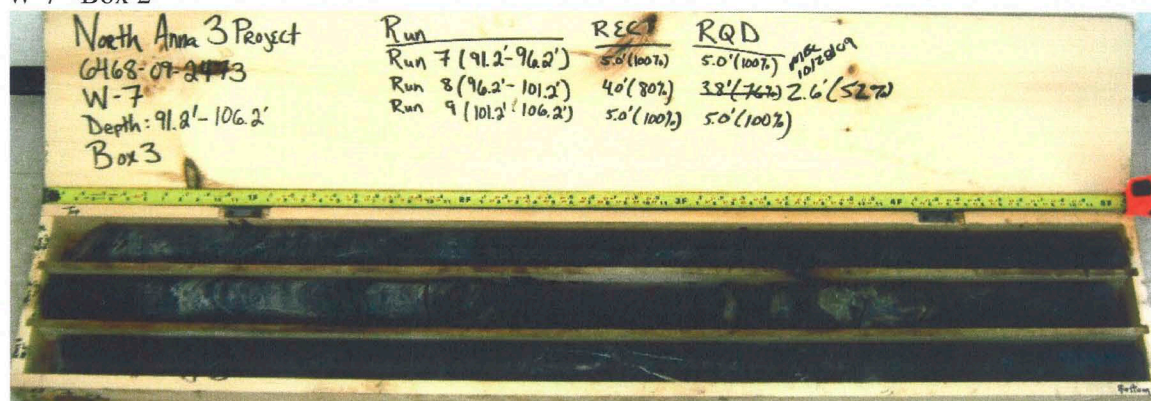
NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



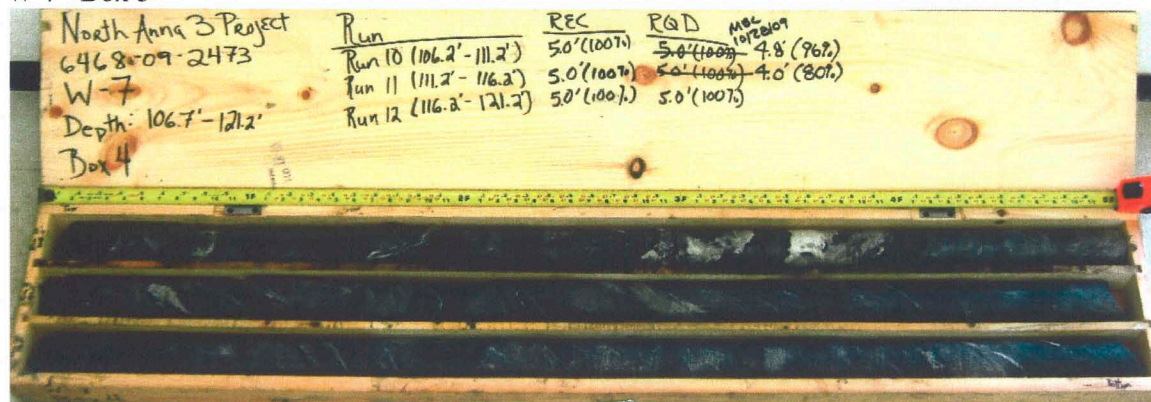
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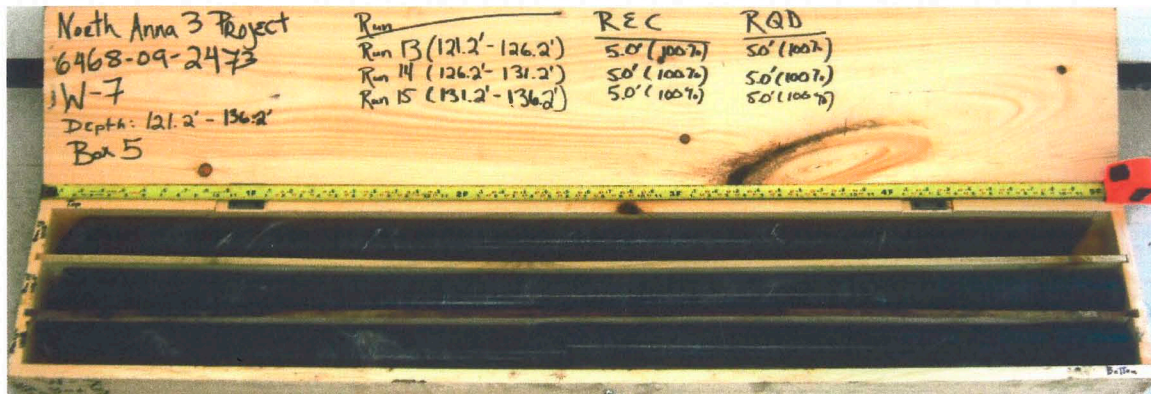
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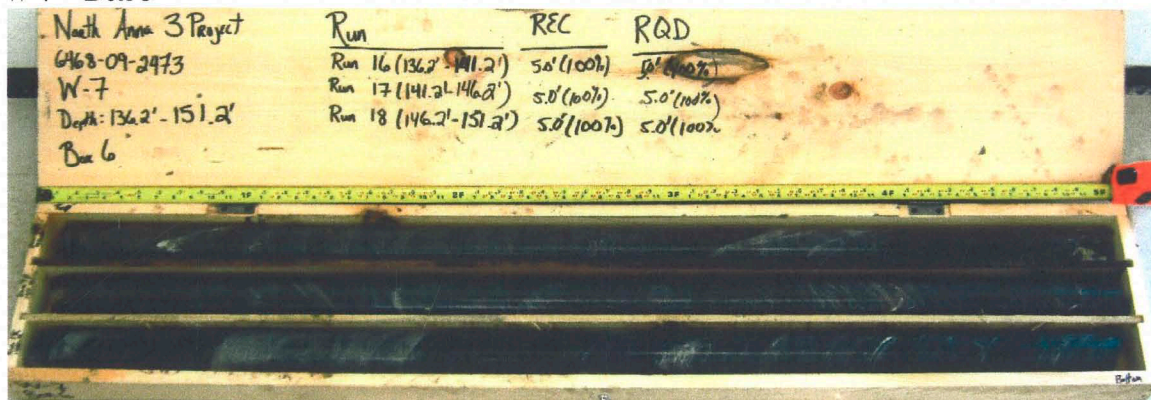
W-7- Box 3



W-7- Box 4



W-7 - Box 5



W-7 - Box 6

GEOTECHNICAL BORING LOG

Prepared By NAC Date 12/3/09
Checked By DSC Date 12-3-09

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25161				MACTEC PROJECT NO.: 6468-09-2473				COUNTY: Louisa, VA				GEOLOGIST: K. Lloyd				
SITE DESCRIPTION: North Anna Power Station, Unit 3								DRILLER: P. Pitts				FLUID LEVEL (ft)				
BORING NO.: W-8				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)				0 HR.		ND		
GROUND ELEV.: 307.8 ft (NAVD88)				NORTHING: 3,909,768 US ft (NAD83)				EASTING: 11,686,273 US ft (NAD83)				24 HR.		ND		
TOTAL DEPTH: 150.6 ft		SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						ROD TYPE: AWJ		HAMMER (ID):140-lb. Auto (MEC-21)						
DATE STARTED: 10/26/09		COMPLETED: 10/29/09		HOLE DIA.: 4"		CASING DEPTH: 78.6 ft		CORE SIZE: HQ3		BITS USED: 3-7/8" Tri-Cone						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100						
307.8					Ground Surface							307.8	0.0			
298.5	9.3											298.5	9.3			
295.9	11.9	2	2	3						SS-1		296.8	11.0			
293.4	14.4	1	2	3						SS-2						
		2	4	4						SS-3						
288.5	19.3															
		1	3	4						SS-4			19.3 ft: Wet			
283.5	24.3															
		4	7	6						SS-5			24.3 ft: Pale olive (5Y 6/4) to olive gray (5Y 4/2), stiff			
278.5	29.3											280.8	27.0			
		15	15	9						SS-6						
273.5	34.3															
		12	21	21						SS-7			34.3 ft: Dense			
268.5	39.3											270.8	37.0			
		7	8	8						SS-8						
263.5	44.3															
		12	15	12						SS-9			44.3 ft: Dark greenish gray (5G 4/1) and light yellowish brown (10YR 6/4)			
258.5	49.3															
		8	12	27						SS-10			49.3 ft: Dark greenish gray (5G 4/1), dense			
253.5	54.3															
		22	38	31						SS-11			54.3 ft: Very dense			
248.5	59.3															
		11	24	42						SS-12			59.3 ft: Dark greenish gray (5G 4/1) and brownish yellow (10YR 6/6)			
243.5	64.3											245.8	62.0			
		17	15	23						SS-13						
238.5	69.3											240.8	67.0			
		18	33	60						SS-14						
233.5	74.3											236.8	71.0			

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

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SHEET 3 OF 3

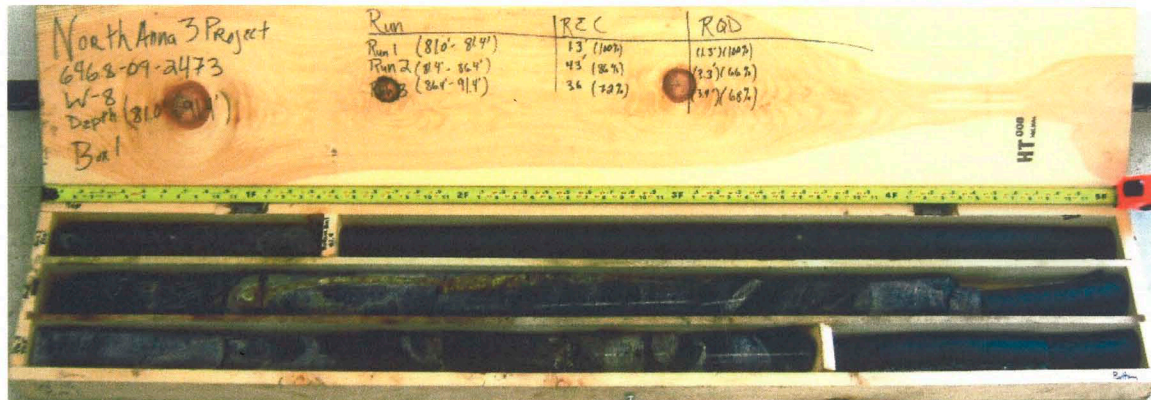
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TOTAL DEPTH: 150.6 ft			SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08			ROD TYPE: AWJ			HAMMER (ID):140-lb. Auto (MEC-21)							
DATE STARTED: 10/26/09			COMPLETED: 10/29/09			HOLE DIA.: 4"			CASING DEPTH: 78.6 ft							
						CORE SIZE: HQ3			BITS USED: 3-7/8" Tri-Cone							
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100						
158.2					Continued from previous page											
														157.2	150.6	Boring and coring terminated at 150.6 feet. Boring closed by tremie method with cement-bentonite grout.

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09

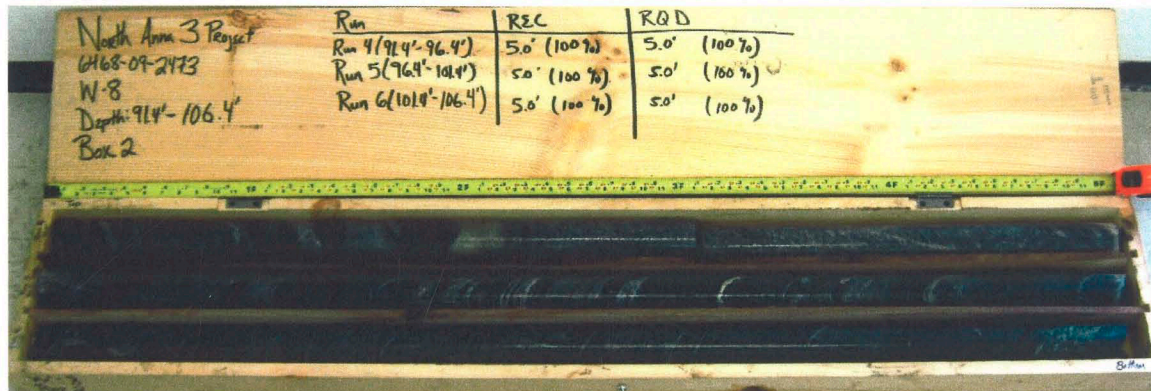


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BORING NO.: W-8				DRILL METHOD: Mud Rotary/Rock Core				DRILL MACHINE: CME-55 Track (RAL)			0 HR.	ND
GROUND ELEV.: 307.8 ft (NAVD88)				NORTHING: 3,909,768 US ft (NAD83)				EASTING: 11,686,273 US ft (NAD83)		24 HR. ND		
TOTAL DEPTH: 150.6 ft			SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08						HAMMER (ID): 140-lb. Auto (MEC-21)			
DATE STARTED: 10/26/09			COMPLETED: 10/29/09		CASING DEPTH: 78.6 ft		CORE BARREL TYPE: Wireline HQ3 Triple Tube, series 6 & 10 bits					
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %RQD (ft) %		SAMP. NO.	STRATA REC. (ft) %RQD (ft) %		L O G	DESCRIPTION AND REMARKS		
										Begin Coring @ 80.0 ft		
227.8	80.0	1.4	ND	(1.3)	(1.3)	RUN 1	(9.2)	(8.0)		227.8	HARD ROCK: Dark gray, black, and greenish black, slightly to moderately weathered, close fracturing, moderately to medium hard, BIOTITE GNEISS	
226.4	81.4	5.0	N=50/0.0 1:40/0.4	93%	93%	SS-17 RUN 2	81%	70%			(1 joint at 60°, tight)	
			3:31	(4.3)	(3.3)						(2 joints at 10-20°, open with orange staining; 3 joints at 30-40°, open; 1 joint at 60°, open with clay and orange staining; 1 joint at 90°, tight with trace clay and orange staining)	
221.4	86.4		3:27	86%	66%						(3 joints at 20-30°, open with orange staining and clay; 2 joints at 60°, tight to open with clay and orange staining)	
		5.0	3:38	(3.6)	(3.4)	RUN 3						
			4:41	72%	68%							
			6:05									
216.4	91.4		5:23	(5.0)	(5.0)	RUN 4	(35.0)	(35.0)		216.4	HARD ROCK: Dark gray to black, very slightly weathered to fresh, moderately close to wide fracturing, hard to very hard, BIOTITE GNEISS	
		5.0	3:40	100%	100%		100%	100%			(4 joints at 20-30°, open with clay)	
			3:43			RUN 5					(No joints)	
211.4	96.4		4:38	(5.0)	(5.0)							
		5.0	6:47	100%	100%							
			5:23			RUN 6					(2 joints at 50-60°, tight)	
			4:36									
206.4	101.4		4:27	(5.0)	(5.0)							
		5.0	4:47	100%	100%							
			5:58			RUN 7					(3 joints at 50-60°, tight)	
			4:01									
201.4	106.4		3:58	(5.0)	(5.0)							
		5.0	4:53	100%	100%							
			4:31			RUN 8					(2 joints at 30-40°, open with clay; 2 joints at 40-50°, open with clay; 1 joint at 60°, tight with trace clay)	
			5:24									
196.4	111.4		4:25	(5.0)	(5.0)							
		5.0	4:45	100%	100%							
			4:50			RUN 9					(No joints)	
			5:17									
			6:34	(5.0)	(5.0)							
191.4	116.4		4:41	100%	100%							
		5.0	3:42			RUN 10					(1 joint at 10°, tight with trace of clay; 1 joint at 40°, tight with trace clay)	
			3:28									
			4:10									
186.4	121.4		4:11	(5.0)	(5.0)							
		5.0	3:50	100%	100%							
			3:54			RUN 11	(24.2)	(24.2)		181.4	HARD ROCK: Gray to dark gray, fresh, moderately close fracturing, very hard, BIOTITE QUARTZ GNEISS	
			4:01				100%	100%			(4 joints at 50-60°, tight with trace clay; quartz vein at 130.8-131.0 feet)	
181.4	126.4		4:55	(5.0)	(5.0)							
		5.0	4:06	100%	100%						(quartz vein from 135.4-136.4 feet)	
			4:49			RUN 12						
			4:45									
176.4	131.4		7:41	(5.0)	(5.0)							
		5.0	11:31	100%	100%						(1 joint at 50°, tight)	
			12:50			RUN 13						
			33:40									
171.4	136.4		21:03	(5.0)	(5.0)							
		5.0	5:53	100%	100%						(1 joint at 50°, open)	
			7:44			RUN 14						
			10:03									
166.4	141.4		9:16	(5.0)	(5.0)							
		5.0	13:26	100%	100%							
			20:08			RUN 15					(No joints)	
			11:21									
161.4	146.4		7:14	(5.0)	(5.0)							
		5.0	7:22	100%	100%						(1 joint at 50°, open)	
			7:09			RUN 16						
			7:38									
159.4	148.4	2.0	8:29	(2.0)	(2.0)						(No joints)	
			10:25	100%	100%							
			12:46									
157.2	150.6	2.2	11:02	(2.2)	(2.2)							
			16:34/1.2	100%	100%					157.2	Boring and coring terminated at 150.6 feet.	
											Boring closed by tremie method with cement-bentonite grout.	

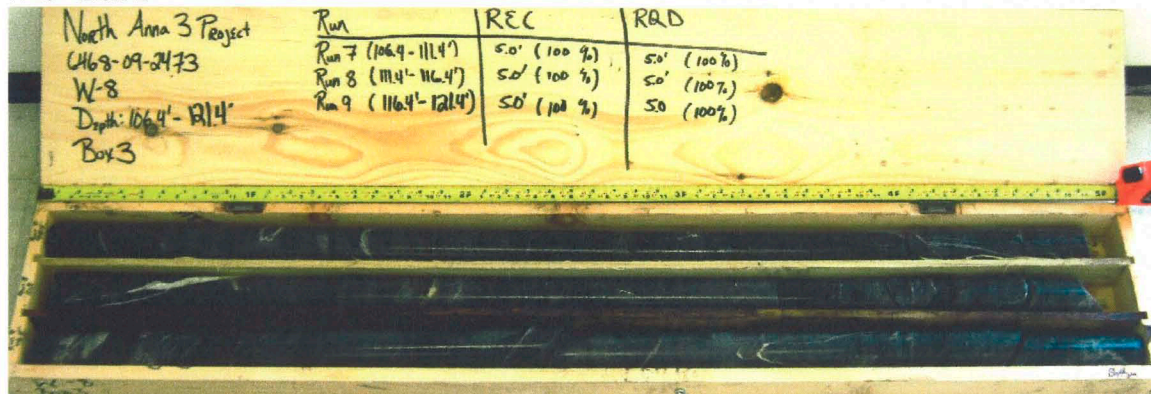
NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09



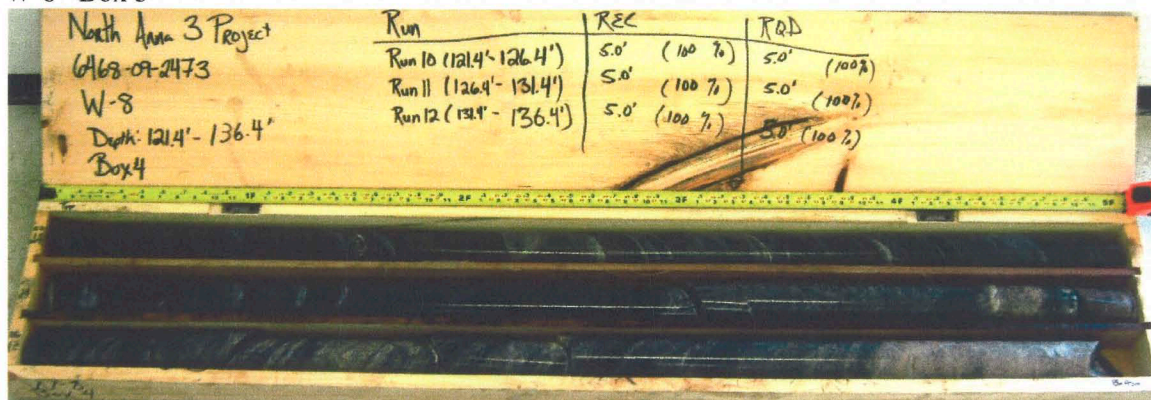
W-8- Box 1



W-8- Box 2



W-8- Box 3



W-8- Box 4



W-8 - Box 5