



GEOTECHNICAL BORING LOG

Prepared By JPR Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 4

BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor								
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)						
BORING NO. B-2159		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR.	ND					
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,477		US ft (NAD83)		EASTING 2,599,789		US ft (NAD83)		24 HR.	ND					
TOTAL DEPTH 211.5 ft		DRILL MACHINE CME-750				DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)						
DATE STARTED 12/1/07		COMPLETED 12/3/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100		
80.4					Ground Surface									80.4	0.0	
80.4	0.0	3	4	5							SS-1					FAT CLAY (CH), very dark gray (10YR3/1), stiff, moist, few sand, no HCl reaction, roots
76.9	3.5	3	4	5							SS-2					3.5ft: dark gray (10YR4/1)
74.4	6.0	4	6	6							SS-3			74.4	6.0	LEAN CLAY with sand (CH), gray (10YR6/1), stiff, moist, little sand, weak HCl reaction
71.9	8.5	4	4	4							SS-4					8.5ft: firm, strong HCl reaction, carbonate nodules
69.4	11.0	4	6	5							SS-5					11.0ft: light gray (10YR7/1), stiff, little sand
66.9	13.5	4	7	7							SS-6					13.5ft: gray (10YR6/1), black staining, few sand
60.4	20.0	4	5	5							SS-7			60.4	20.0	FAT CLAY (CH), light gray (10YR7/1), mottled brownish yellow (10YR6/6), stiff, moist, few sand, strong HCl reaction
55.4	25.0	4	4	6							SS-8					25.0ft: brownish yellow (10YR6/6)
50.4	30.0	4	5	7							SS-9					
45.4	35.0	5	7	7							SS-10					
40.4	40.0	4	5	6							SS-11					
35.4	45.0	5	7	9							SS-12					45.0ft: very stiff, yellow (10YR7/6), trace sand
30.4	50.0	7	7	14							SS-13					50.0ft: gray (10YR6/1), no HCl reaction
25.4	55.0	5	9	14							SS-14					55.0ft: little sand

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor					
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)			
BORING NO. B-2159		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR.	ND		
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,477		US ft (NAD83)		EASTING 2,599,789		US ft (NAD83)		24 HR.	ND		
TOTAL DEPTH 211.5 ft		DRILL MACHINE CME-750				DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)			
DATE STARTED 12/1/07		COMPLETED 12/3/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
24.3					Continued from previous page								
20.4	60.0	5	5	8									FAT CLAY (CH), light gray (10YR7/1), mottled brownish yellow (10YR6/6), stiff, moist, few sand, strong HCl reaction (continued)
15.4	65.0	5	10	11									60.0ft: stiff
10.4	70.0	19	17	13									65.0ft: very stiff, few sand, weak HCl reaction
5.4	75.0	6	8	9									10.4 Clayey SAND (SC), gray (10YR6/1), very firm, moist, little fines, no HCl reaction, carbonate nodules
0.4	80.0	6	7	10									5.4 FAT CLAY (CH), light gray (10YR7/1), very stiff, moist, few sand, weak HCl reaction, carbonate nodules
-4.6	85.0	16	46	45									80.0ft: gray (10YR6/1), no HCl reaction, some sand
-9.6	90.0	5	5	7									85.0ft: hard, little sand, strong HCl reaction, some carbonate nodules
-14.6	95.0	7	14	21									90.0ft: brownish yellow (10YR6/6), mottled light gray (10YR7/1), stiff, few sand
-19.6	100.0	20	19	40									-14.6 Clayey SAND (SC), light brownish gray (10YR6/2), dense, moist, little fines, no HCl reaction, trace carbonate nodules, increasing sand content with depth
-29.6	110.0	6	7	10									100.0ft: brownish yellow (10YR6/6), very dense, ferrous staining, strong HCl reaction
													-29.6 FAT CLAY (CH), light gray (10YR7/1), mottled yellow (10YR7/6), very stiff, moist, few sand, strong HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST B. Taylor									
SITE DESCRIPTION Exelon COL Project (Victoria Site)										MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2159					DRILL METHOD: Mud Rotary					SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.4 ft (NAVD88)					NORTHING 13,412,477 US ft (NAD83)					EASTING 2,599,789 US ft (NAD83)					24 HR. ND				
TOTAL DEPTH 211.5 ft					DRILL MACHINE CME-750					DRILLER: G. Bray/T. Ellerson					HAMMER (ID) 140 lb. Auto (263048)				
DATE STARTED 12/1/07					COMPLETED 12/3/07					CASING DEPTH: N/A					BITS USED: 2 7/8" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION						
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100					
-31.8					Continued from previous page														
-39.6	120.0												FAT CLAY (CH), light gray (10YR7/1), mottled yellow (10YR7/6), very stiff, moist, few sand, strong HCl reaction (continued)						
		7	8	10									120.0ft: no HCl reaction						
-49.6	130.0												Clayey SAND (SC), light gray (10YR7/1), dense, moist, fine grained, little fines, strong HCl reaction						
		17	19	22															
-59.6	140.0												FAT CLAY (CH), light gray (10YR7/1) very stiff, moist, few sand, strong HCl reaction						
		7	9	8															
-69.6	150.0												Clayey SAND (SC), gray (10YR6/1), very firm, moist, fine grained, little clay, no HCl reaction						
		6	9	17															
-79.6	160.0												FAT CLAY with sand (CH), gray (10YR6/1), hard, moist, little sand, strong HCl reaction, trace carbonate nodules						
		16	21	22															

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor						
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)				
BORING NO. B-2159		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND				
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,477		US ft (NAD83)		EASTING 2,599,789		US ft (NAD83)		24 HR. ND				
TOTAL DEPTH 211.5 ft		DRILL MACHINE CME-750				DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)				
DATE STARTED 12/1/07		COMPLETED 12/3/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-87.9					Continued from previous page									
-89.6	170.0	31	15	27	●42					SS-30		-89.6	170.0	Clayey SAND (SC), light gray (10YR7/1), dense, moist, fine grained, little clay, no HCl reaction
-99.6	180.0	32	23	25	●48					SS-31		-99.6	180.0	POORLY GRADED SAND with clay (SP-SC), light gray (10YR7/1), dense, moist, fine to medium grained, few fines, strong HCl reaction
-109.6	190.0	46	50/0.3		●96/0.8					SS-32		-109.6	190.0	Clayey SAND (SC), light gray (10YR7/1), very dense, moist, fine grained, little fines, no HCl reaction
-119.6	200.0	38	50/0.2		●88/0.7					SS-33				200.0ft: strong HCl reaction
-129.6	210.0	35	50/0.2		●85/0.7					SS-34				
												-131.1	211.5	Boring Terminated at Elevation -131.1 ft

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JPC Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 4

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST C. Gandy									
SITE DESCRIPTION Exelon COL Project (Victoria Site)										MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2160					DRILL METHOD: Mud Rotary					SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.4 ft (NAVD88)					NORTHING 13,412,181 US ft (NAD83)					EASTING 2,599,627 US ft (NAD83)					24 HR. ND				
TOTAL DEPTH 200.0 ft					DRILL MACHINE CME-55 LC					DRILLER: D. White/O. Smith					HAMMER (ID) 140 lb. Auto (MEC 02)				
DATE STARTED 11/11/07					COMPLETED 11/12/07					CASING DEPTH: N/A					BITS USED: 2 7/8" Wing Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION						
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100					
80.4					Ground Surface														
80.4	0.0	3	2	3									80.4	0.0	SS-1	Sandy FAT CLAY (CH), dark gray (7.5YR4/1), firm, moist, fine to medium grained sand, no HCl reaction, organics			
76.9	3.5	1	2	1									76.9	3.5	SS-2	FAT CLAY with sand (CH) gray (10YR6/1), soft, carbonate nodules, weak HCl reaction, thinly laminated, organics			
74.4	6.0	3	4	6									74.4	6.0	SS-3	LEAN CLAY with sand (CL), very pale brown (10YR7/3), stiff, moist, fine to coarse grained sand, carbonate nodules, organics, strong HCl reaction			
71.9	8.5	5	5	6											SS-4	8.5ft: light gray (10YR7/2), stiff, moist, little fine sand, organics			
69.4	11.0	7	9	12									69.4	11.0	SS-5	Sandy LEAN CLAY (CL), very pale brown (10YR8/3), very stiff, moist, fine to medium grained sand			
66.9	13.5	6	5	7											SS-6	13.5ft: stiff, fine to coarse grained sand, organics			
61.9	18.5	4	5	7									61.9	18.5	SS-7	FAT CLAY (CH), mottled brownish yellow (10YR6/8), stiff, fine to medium grained sand, trace iron nodules			
56.9	23.5	4	5	6											SS-8	23.5 ft: brownish yellow (10YR6/6), mottled with very pale brown (10YR8/2), organics			
51.9	28.5	4	6	9											SS-9	28.5 ft: mottled light gray (10YR7/2), trace carbonate nodules			
46.9	33.5	5	6	8											SS-10	33.5 ft: mottled light greenish gray (10Y7/1), organics			
41.9	38.5	4	5	7											SS-11	38.5 ft: yellow (10YR7/8), weak HCl reaction			
36.9	43.5	5	5	12											SS-12	43.5ft: brownish yellow (10YR6/6), trace mottling, very stiff, moist, organics			
31.9	48.5	5	7	10									31.9	48.5	SS-13	FAT CLAY with sand (CH), very pale brown (10YR7/4), very stiff, moist, fine to coarse grained sand, fine gravel			
26.9	53.5	5	7	12											SS-14	53.5ft: fine to medium grained sand, organics			

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy					
SITE DESCRIPTION Exelon COL Project (Victoria Site)				MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)					
BORING NO. B-2160		DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT				0 HR. ND		24 HR. ND			
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,181 US ft (NAD83)		EASTING 2,599,627 US ft (NAD83)		24 HR. ND							
TOTAL DEPTH 200.0 ft		DRILL MACHINE CME-55 LC		DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)					
DATE STARTED 11/11/07		COMPLETED 11/12/07		CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit					
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
24.3					Continued from previous page								
21.9	58.5	9	11	18									FAT CLAY with sand (CH), very pale brown (10YR7/4), very stiff, moist, fine to coarse grained sand, fine gravel (continued) 58.5ft: fine to coarse grained sand
16.9	63.5	5	7	9									63.5ft: organics
11.9	68.5	10	14	16									11.9 68.5 Silty SAND (SM), very pale brown (10YR8/3), very firm, wet, fine to medium grained sand, no HCl reaction
6.9	73.5	4	4	8									6.9 73.5 Sandy FAT CLAY (CH), very pale brown (10YR8/3), stiff, moist, fine to medium grained sand, no HCl reaction
1.9	78.5	6	9	50/0.3									1.9 78.5 Clayey SAND (SC), very pale brown (10YR8/3), very dense, moist, fine to coarse grained sand, no HCl reaction, carbonate nodules
-3.1	83.5	12	19	18									-3.1 83.5 LEAN CLAY with sand (CL), very pale brown (10YR7/3), hard, moist, fine to coarse grained sand, fine gravel, strong HCl reaction, carbonate nodules
-8.1	88.5	12	35	50/0.3									-8.1 88.5 LEAN CLAY with sand (CL), very pale brown (10YR7/3), mottled with brownish yellow (10YR6/6), hard, moist, fine to medium grained sand
-13.1	93.5	14	18	21									-13.1 93.5 POORLY GRADED SAND with clay (SP-SC), very pale brown (10YR7/3), dense, moist, fine to medium grained sand, no HCl reaction (visual)
-18.1	98.5	39	50/0.4										-18.1 98.5 Clayey SAND (SC), very pale brown (10YR8/2), very dense, moist, fine to medium grained sand, strong HCl reaction, carbonate nodules
-28.1	108.5	6	6	9									-28.1 108.5 FAT CLAY (CH), very pale brown (10YR8/3), mottled brownish yellow (10YR6/8), stiff, moist, fine to medium grained sand, strong HCl reaction, carbonate nodules, organics

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy				
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)		
BORING NO. B-2160		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND		
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,181 US ft (NAD83)		EASTING 2,599,627 US ft (NAD83)		24 HR. ND						
TOTAL DEPTH 200.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)		
DATE STARTED 11/11/07		COMPLETED 11/12/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit		
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
-31.8					Continued from previous page							
-38.1	118.5	4	6	7	●13					SS-25		FAT CLAY (CH), very pale brown (10YR8/3), mottled brownish yellow (10YR6/8), stiff, moist, fine to medium grained sand, strong HCl reaction, carbonate nodules, organics (continued)
-48.1	128.5	14	19	32	●51					SS-26		Sandy FAT CLAY (CH), very pale brown (10YR8/3), trace mottling, stiff, moist, fine to medium grained sand, weak HCl reaction, trace carbonate nodules
-58.1	138.5	18	25	25	●50					SS-27		POORLY GRADED SAND with clay (SP-SC), very pale brown (10YR8/2), very dense, moist, fine to coarse grained sand, no HCl reaction (visual)
-68.1	148.5	10	13	18	●31					SS-28		138.5 ft: dense, wet, strong HCl reaction
-78.1	158.5	18	14	13	●27					SS-29		Sandy LEAN CLAY (CL), very pale brown (10YR7/3), mottled with brownish yellow (10YR6/8), hard, moist, fine to medium grained sand, weak HCl reaction, carbonate nodules, organics
												FAT CLAY (CH), very pale brown (10YR7/3), mottled yellow (10YR6/8), very stiff, moist, fine to medium grained sand, strong HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy				
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)		
BORING NO. B-2160		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND		
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,181 US ft (NAD83)		EASTING 2,599,627 US ft (NAD83)		24 HR. ND						
TOTAL DEPTH 200.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)		
DATE STARTED 11/11/07		COMPLETED 11/12/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit		
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
-87.9					Continued from previous page							
-88.1	168.5	25	27	26	.....●53					SS-30		-88.1 POORLY GRADED SAND with clay (SP-SC), very pale brown (10YR7/3), very dense, wet, fine to coarse grained sand, fine gravel, strong HCl reaction, trace carbonate nodules (visual) 168.5
-98.1	178.5	47	50	39	.....●89					SS-31		
-108.1	188.5	50/0.1			.....●50/0.1					SS-32		188.5 ft: no recovery
-113.1	193.5	48	50/0.2		.....●98/0.7					SS-33		-111.6 Silty SAND (SM), very pale brown (10YR8/3), very dense, wet, fine to coarse grained sand, fine gravel, strong HCl reaction 192.0
-118.1	198.5	17	8	11	.....●19					SS-34		-118.1 Clayey SAND (SC), very pale brown (10YR8/3), firm, wet, fine to coarse grained sand, strong HCl reaction, 0.05'-thick clay seam (visual) 198.5 -119.6 Boring Terminated at Elevation -119.6 ft 200.0

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JPR Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST C. Gandy				
SITE DESCRIPTION Exelon COL Project					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2161		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.5 ft (NAVD88)		NORTHING 13,412,263 US ft (NAD83)			EASTING 2,599,698 US ft (NAD83)		24 HR. ND							
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC			DRILLER: D. White/O. Smith			HAMMER (ID) 140 lb. Auto (MEC 02)						
DATE STARTED 12/5/07		COMPLETED 12/6/07			CASING DEPTH: N/A			BITS USED: 2 7/8" Wing Bit						
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	
80.5					Ground Surface							80.5	0.0	
80.5	0.0	2	1	2							SS-1			FAT CLAY (CH), dark gray (7.5YR4/1), soft, moist, little sand, no HCl reaction, thinly laminated, organics, trace carbonate nodules
77.0	3.5	2	3	5							SS-2			3.5ft: brown (7.5YR4/2), to light brownish gray (10YR6/2), firm, weak HCl reaction
74.5	6.0	4	4	7							SS-3			LEAN CLAY with sand (CL), very pale brown (10YR7/3), stiff, moist, little sand, carbonate nodules, strong HCl reaction, ferrous staining
72.0	8.5	5	7	8							SS-4			
69.5	11.0	5	5	7							SS-5			11.0ft: light gray (10YR7/2) strong to weak HCl reaction
67.0	13.5	5	6	7							SS-6			
62.0	18.5	5	5	7							SS-7			18.5ft: very pale brown (10YR7/3), mottled brownish yellow (10YR6/6), few sand
57.0	23.5	6	6	7							SS-8			FAT CLAY (CH), very pale brown (10YR7/3), mottled brownish yellow (10YR6/8), stiff, moist, little sand, weak HCl reaction, carbonate nodules, organics
52.0	28.5	4	5	7							SS-9			28.5ft: trace sand
47.0	33.5	6	5	9							SS-10			33.5ft: yellow (10YR7/8), mottled light greenish gray (10YR8/1), few sand, strong to weak HCl reaction
42.0	38.5	5	5	8							SS-11			
37.0	43.5	4	5	8							SS-12			
32.0	48.5	5	6	9							SS-13			FAT CLAY with sand (CH), very pale brown (10YR7/3), mottled light greenish gray (10Y8/1), stiff, moist, little sand, weak HCl reaction, carbonate nodules, ferrous staining, trace organics
27.0	53.5	9	8	11							SS-14			Clayey SAND (SC), light gray (10YR7/2), firm, wet, fine grained, little fines, no HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy								
SITE DESCRIPTION Exelon COL Project				MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)								
BORING NO. B-2161		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND						
GROUND SURFACE ELEV. 80.5 ft (NAVD88)		NORTHING 13,412,263 US ft (NAD83)		EASTING 2,599,698 US ft (NAD83)		24 HR. ND										
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)						
DATE STARTED 12/5/07		COMPLETED 12/6/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit						
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			
24.4		Continued from previous page														
22.0	58.5	8	11	11									SS-15	23.0	57.5	FAT CLAY with sand (CH), yellow (10YR7/8), very stiff, moist, little sand, strong HCl reaction, interbedded clayey sand layers, trace carbonate nodules
17.0	63.5	7	10	14									SS-16	63.5ft	67.5	very pale brown (10YR7/3)
12.0	68.5	7	7	10									SS-17	13.0	67.5	Silty SAND (SM) light gray (10YR7/2), firm, moist, fine grained, some fines, weak HCl reaction
7.0	73.5	8	11	11									SS-18	6.4	74.1	73.5ft: very pale brown (10YR7/3), little fines
2.0	78.5	8	7	7									SS-19	2.0	78.5	Sandy FAT CLAY (CH), very pale brown (10YR7/3), very stiff, moist, some sand, no HCl reaction
-3.0	83.5	19	10	13									SS-20	83.5ft	88.5	pale yellow (5Y8/2), very firm, some fines, strong HCl reaction, little carbonate nodules
-8.0	88.5	30	46	50/0.5									SS-21	88.5ft	96/1.0	pinkish white (7.5YR8/2), very dense, little to some fines
-13.0	93.5	27	37	45									SS-22	-11.5	92.0	POORLY GRADED SAND (SP), very pale brown (10YR8/4), very dense, wet, medium to coarse grained, trace fines, strong HCl reaction, trace gravel
-18.0	98.5	50/0.4											SS-23	98.5ft	50/0.4	yellow (2.5Y7/6), fine to coarse grained, carbonate nodules, 0.1'-thick clay and gravel seam
-24.5	105.0												SS-24	-24.5	105.0	Clayey SAND (SC), pinkish white (7.5YR8/2), firm, wet, fine to medium grained, some fines, strong HCl reaction, trace gravel, carbonate nodules
-28.0	108.5	11	8	7									SS-24	-28.5	109.0	FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/6), stiff, moist, strong HCl reaction, carbonate nodules, ferrous staining

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy					
SITE DESCRIPTION Exelon COL Project						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)			
BORING NO. B-2161		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND			
GROUND SURFACE ELEV. 80.5 ft (NAVD88)		NORTHING 13,412,263		US ft (NAD83)		EASTING 2,599,698		US ft (NAD83)		24 HR. ND			
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)			
DATE STARTED 12/5/07		COMPLETED 12/6/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-31.7					Continued from previous page								
-38.0	118.5	8	11	12	●23					SS-25			FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/6), stiff, moist, strong HCl reaction, carbonate nodules, ferrous staining (continued)
-44.5	125.0												Sandy FAT CLAY (CH), light gray (10YR7/2), very stiff, moist, little sand, weak HCl reaction, carbonate nodules, ferrous staining, organics
-48.0	128.5	12	15	15	●30					SS-26			Clayey SAND (SC), light gray (10YR7/2), very firm, wet, fine to medium grained, little fines, no HCl reaction
-57.0	137.5												POORLY GRADED SAND (SP) light gray (10YR7/2), to very pale brown (10YR7/3), very dense, wet, fine grained, trace fines, no HCl reaction
-58.0	138.5	17	24	37	●61					SS-27			
-63.5	144.0												Clayey SAND (SC) very pale brown (10YR8/2), dense, moist, fine grained, little to some fines, strong HCl reaction, ferrous staining
-68.0	148.5	31	26	18	●44					SS-28			
-69.5	150.0												Boring Terminated at Elevation -69.5 ft

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By DPK Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 4

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST B. Taylor				
SITE DESCRIPTION Exelon COL Project (Victoria Site)					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2162A		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,386		US ft (NAD83)		EASTING 2,599,799		US ft (NAD83)			24 HR. ND			
TOTAL DEPTH 202.8 ft		DRILL MACHINE CME-750			DRILLER: G. Bray/T. Ellerson					HAMMER (ID) 140 lb. Auto (263048)				
DATE STARTED 11/24/07		COMPLETED 11/29/07			CASING DEPTH: N/A					BITS USED: 2 7/8" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
80.2					Ground Surface								80.2	0.0
80.2	0.0	3	4	4										
76.7	3.5	3	5	6										
74.2	6.0	3	6	7										
71.7	8.5	5	8	10										
69.2	11.0	7	11	12										
66.9	13.3	6	10	9										
58.9	21.3	6	8	9										
53.9	26.3	5	6	7										
48.9	31.3	5	7	9										
43.9	36.3	5	7	8										
38.9	41.3	4	5	11										
33.9	46.3	9	13	18										
28.9	51.3	11	14	12										

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor						
SITE DESCRIPTION Exelon COL Project (Victoria Site)				MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)						
BORING NO. B-2162A		DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT				0 HR. ND		24 HR. ND				
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,386		US ft (NAD83)		EASTING 2,599,799		US ft (NAD83)						
TOTAL DEPTH 202.8 ft		DRILL MACHINE CME-750		DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)						
DATE STARTED 11/24/07		COMPLETED 11/29/07		CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit						
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	
24.1					Continued from previous page									
23.9	56.3	8	8	8							SS-14A/B	23.4	56.8	Silty SAND (SM), yellowish brown (10YR6/4), firm, moist, fine grained, trace fines, no HCl reaction
18.9	61.3	10	12	17							SS-15	18.9	61.3	Clayey SAND (SC), brown (10YR5/3), very firm, moist, little fines, strong HCl reaction
13.9	66.3	5	8	9							SS-16	13.9	66.3	FAT CLAY (CH), grayish brown (10YR5/2), very stiff, moist, few sand, strong HCl reaction
8.9	71.3	6	8	10							SS-17	8.9	71.3	Clayey SAND (SC), light gray (10YR7/2), firm, moist, some fines, no HCl reaction, two interbedded clay layers
3.9	76.3	10	15	16							SS-18			76.3ft: dense, little fines, weak HCl reaction
-1.1	81.3	7	8	12							SS-19			81.3ft: firm, carbonate nodules, no HCl reaction
-6.1	86.3	37	49	50/0.3							SS-20			86.3ft: very dense, little fines
-11.1	91.3	49	50/0.2								SS-21	-11.1	91.3	FAT CLAY (CH), brownish yellow (10YR6/6), hard, moist, little sand, strong HCl reaction, carbonate nodules
-16.1	96.3	50/0.2									SS-22	-16.1	96.3	96.3ft: no recovery
-21.1	101.3	50/0.2									SS-23			Clayey SAND (SC), very pale brown (10YR8/3), very dense, moist, fine grained, few fines, strong HCl reaction
-31.1	111.3	4	8	9							SS-24	-31.1	111.3	

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor						
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)				
BORING NO. B-2162A		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR.	ND			
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,386		US ft (NAD83)		EASTING 2,599,799		US ft (NAD83)		24 HR.	ND			
TOTAL DEPTH 202.8 ft		DRILL MACHINE CME-750				DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)				
DATE STARTED 11/24/07		COMPLETED 11/29/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-32.0					Continued from previous page									
-41.1	121.3	7	8	12							SS-25			FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/6), very stiff, moist, few sand, strong HCl reaction (continued)
-51.1	131.3	9	9	9							SS-26		-51.1	Clayey SAND (SC), light gray (10YR7/1), firm, moist, some fines, no HCl reaction
-61.1	141.3	6	5	8							SS-27		-61.1	FAT CLAY (CH), light gray (10YR7/1), stiff, moist, few sand, strong HCl reaction
-71.1	151.3	10	14	16							SS-28		-69.8	Clayey SAND (SC), gray (10YR6/1), very firm, moist, little fines, no HCl reaction
-81.1	161.3	11	13	21							SS-29			161.3ft: light brownish gray (10YR6/2), dense, strong HCl reaction 0.8'-thick interbedded layer of fat clay at 161.3ft

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST B. Taylor						
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)				
BORING NO. B-2162A		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND				
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,386		US ft (NAD83)		EASTING 2,599,799		US ft (NAD83)		24 HR. ND				
TOTAL DEPTH 202.8 ft		DRILL MACHINE CME-750				DRILLER: G. Bray/T. Ellerson				HAMMER (ID) 140 lb. Auto (263048)				
DATE STARTED 11/24/07		COMPLETED 11/29/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-88.1					Continued from previous page									
-91.1	171.3	11	4	18							SS-30		Clayey SAND (SC), gray (10YR6/1), very firm, moist, little fines, no HCl reaction (continued)	
-101.1	181.3	32	43	27							SS-31		171.3ft: very firm, fine to medium grained	
-111.1	191.3	50/0.2										SS-32		181.3ft: very dense, light gray (10YR7/2)
-121.1	201.3	21	13	14								SS-33		201.3ft: very firm, yellowish brown (10YR5/6)
														Boring Terminated at Elevation -122.6 ft
														202.8

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JPK Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST M. Harvey				
SITE DESCRIPTION Exelon COL Project					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2163		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 79.9 ft (NAVD88)		NORTHING 13,412,464			US ft (NAD83)		EASTING 2,599,862			US ft (NAD83)		24 HR. ND		
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-45			DRILLER: J. Warren/J. Alexander					HAMMER (ID) 140 lb. Auto (MEC 12)				
DATE STARTED 12/12/07		COMPLETED 12/13/07			CASING DEPTH: N/A					BITS USED: 2 15/16" Roller Cone				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
79.9					Ground Surface								79.9	0.0
79.9	0.0	4	6	10										
76.4	3.5	5	6	6										
73.9	6.0	4	6	7										
71.4	8.5	6	8	7										
68.9	11.0	5	7	9										
66.4	13.5	6	8	8										
61.4	18.5	5	9	11										
56.4	23.5	4	6	7										
52.4	27.5	5	10	9										
46.4	33.5	5	8	10										
41.4	38.5	5	10	13										
36.4	43.5	9	11	14										
31.4	48.5	11	30	50/										
26.4	53.5	7	11	14										
														80/1.0

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST M. Harvey					
SITE DESCRIPTION Exelon COL Project						MACTEC PROJECT NO.: 6468-07-1777						GROUND WATER (ft)	
BORING NO. B-2163		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND			
GROUND SURFACE ELEV. 79.9 ft (NAVD88)		NORTHING 13,412,464		US ft (NAD83)		EASTING 2,599,862		US ft (NAD83)		24 HR. ND			
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-45				DRILLER: J. Warren/J. Alexander				HAMMER (ID) 140 lb. Auto (MEC 12)			
DATE STARTED 12/12/07		COMPLETED 12/13/07				CASING DEPTH: N/A				BITS USED: 2 15/16" Roller 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
23.7		Continued from previous page											
21.4	58.5	5	8	9								SS-15	FAT CLAY with sand (CH), light yellowish brown (10YR6/4), mottled with light gray (5Y7/2), very stiff, moist, little sand and gravel, trace carbonate nodules, no HCl reaction
16.4	63.5	5	8	14								SS-16A/B	63.5ft: light gray (5Y7/2), few sand and gravel WELL GRADED GRAVEL (GW), white (5Y8/1), very firm, wet, no fines, strong HCl reaction POORLY GRADED SAND (SP), pale yellow (2.5Y8/2), dense, wet, no fines, no HCl reaction
11.4	68.5	13	21	21								SS-17	
6.3	73.5	16	19	20								SS-18	POORLY GRADED SAND with clay (SP-SC), pale yellow (2.5Y8/2), dense, wet, few fines, no to weak HCl reaction
1.3	78.5	6	9	12								SS-19	Clayey SAND with gravel (SC), pale yellow (5Y8/2), very firm, moist, little fines, little gravel, trace carbonate nodules, no to weak HCl reaction
-3.7	83.5	50/0.5										SS-20	POORLY GRADED SAND (SP), pale yellow (2.5Y8/2), very dense, moist, no fines, weak HCl reaction
-8.7	88.5	6	11	12								SS-21	FAT CLAY (CH), light greenish gray (5GY8/1), mottled yellow (10YR7/6), very stiff, moist, few sand, trace carbonate nodules, weak HCl reaction
-13.7	93.5	12	26	33								SS-22	93.5ft: pale yellow (5Y7/3), hard, some sand
-18.7	98.5	50/0.3										SS-23	POORLY GRADED SAND (SP), pale yellow (5Y7/3), and very pale brown (10YR7/3), very dense, wet, trace fines, no to weak HCl reaction
-28.7	108.5	4	8	12								SS-24	FAT CLAY (CH), light greenish gray (10Y8/1), mottled brownish yellow (10YR7/6), very stiff, moist, few sand, trace black staining, weak HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352			COUNTY Victoria			GEOLOGIST M. Harvey			
SITE DESCRIPTION Exelon COL Project				MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)	
BORING NO. B-2163		DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT				0 HR.	ND
GROUND SURFACE ELEV. 79.9 ft (NAVD88)		NORTHING 13,412,464 US ft (NAD83)		EASTING 2,599,862 US ft (NAD83)		24 HR.		ND	
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-45		DRILLER: J. Warren/J. Alexander			HAMMER (ID) 140 lb. Auto (MEC 12)		
DATE STARTED 12/12/07		COMPLETED 12/13/07		CASING DEPTH: N/A			BITS USED: 2 15/16" Roller 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
-32.4					Continued from previous page							
-38.7	118.5	6	8	13								FAT CLAY (CH), light greenish gray (10Y8/1), mottled brownish yellow (10YR7/6), very stiff, moist, few sand, trace black staining, weak HCl reaction (continued)
-48.7	128.5	8	17	13						SS-25		118.5ft: light gray (5Y7/1), yellowish brown (10YR5/8) staining, trace carbonate nodules, no to weak HCl reaction
-58.7	138.5	16	15	18						SS-26		127.0ft: possible sand layer from 127.0ft to 128.0ft, based on harder drilling 128.5ft: pale yellow (5Y8/2), mottled yellow (2.5Y7/6), weak HCl reaction
-68.7	148.5	12	22	25						SS-27		138.5ft: light greenish gray (10Y8/1), mottled brownish yellow (10YR6/8), and very pale brown (10YR8/2), hard, little sand, no to weak HCl reaction
										SS-28		POORLY GRADED SAND with clay (SP-SC), light gray (2.5Y7/1), dense, wet, few fines, no HCl reaction
												Boring Terminated at Elevation -70.2 ft

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By QTH Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST L. Bisson				
SITE DESCRIPTION Exelon COL Project (Victoria Site)					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2164		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND		24 HR. ND		
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,538			US ft (NAD83)		EASTING 2,599,926			US ft (NAD83)				
TOTAL DEPTH 151.4 ft		DRILL MACHINE CME-550			DRILLER: L. Carter/D. Juhan					HAMMER (ID) 140 lb. Auto (MEC 03)				
DATE STARTED 11/17/07		COMPLETED 11/18/07			CASING DEPTH: N/A					BITS USED: 2 15/16" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
80.4					Ground Surface								80.4	0.0
80.4	0.0	9	9	9										
76.9	3.5	24	22	23										
74.4	6.0	4	8	10										
71.9	8.5	9	9	13										
69.4	11.0	11	15	16										
66.9	13.5	9	9	13										
60.5	19.9	4	6	7										
55.5	24.9	5	5	8										
50.5	29.9	5	7	10										
45.5	34.9	4	6	8										
40.5	39.9	5	8	9										
35.5	44.9	7	15	17										
30.5	49.9	9	15	17										
25.5	54.9	6	8	13										

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352			COUNTY Victoria			GEOLOGIST L. Bisson		
SITE DESCRIPTION Exelon COL Project (Victoria Site)				MACTEC PROJECT NO.: 6468-07-1777			GROUND WATER (ft)	
BORING NO. B-2164		DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT				0 HR. ND
GROUND SURFACE ELEV. 80.4 ft (NAVD88)		NORTHING 13,412,538		US ft (NAD83)		EASTING 2,599,926		24 HR. ND
TOTAL DEPTH 151.4 ft		DRILL MACHINE CME-550		DRILLER: L. Carter/D. Juhan			HAMMER (ID) 140 lb. Auto (MEC 03)	
DATE STARTED 11/17/07		COMPLETED 11/18/07		CASING DEPTH: N/A			BITS USED: 2 15/16" Drag Bit	

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
24.3					Continued from previous page							
20.5	59.9	14	22	24							SS-15	23.4 sand, no HCl reaction, trace orange staining POORLY GRADED SAND with clay (SP-SC), pale brown (10YR6/3), dense, wet, few fines, no HCl reaction
15.5	64.9	6	8	10							SS-16	15.5 FAT CLAY (CH), light olive gray (5Y6/2), very stiff, moist, few sand, no HCl reaction, trace carbonate nodules
10.5	69.9	9	15	18							SS-17	10.5 POORLY GRADED SAND with clay (SP-SC), pale brown (10YR6/3), dense to very firm, wet, few fines, no HCl reaction
5.5	74.9	6	10	14							SS-18	
0.5	79.9	50/0.3									SS-19	2.4 FAT CLAY with gravel (CH), very pale brown (10YR8/2), and greenish gray (10YR6/1), to white (10YR8/1), hard, moist, little sand, little gravel, little to some carbonate pebbles and cobbles, angular to sub-angular
-4.5	84.9	12	18	24							SS-20	
-9.5	89.9	13	20	19							SS-21A/B	-7.6 POORLY GRADED SAND with clay (SP-SC), light yellowish brown (2.5Y6/3), dense, wet, fine grained, few fines, no HCl reaction
-14.5	94.9	21	38	50							SS-22	-10.0 Clayey SAND (SC), light gray (5Y7/1), dense, moist, fine grained, some fines, strong HCl reaction, trace carbonate nodules
-19.5	99.9	38	43	40							SS-23	-14.5 POORLY GRADED SAND with clay (SP-SC), light yellowish brown (2.5Y6/3), very dense, wet, fine grained, few fines, weak HCl reaction, trace carbonate nodules
-29.5	109.9	23	29	34							SS-24	-19.5 POORLY GRADED SAND (SP), pale brown (10YR6/3), very dense, wet, trace fines, strong HCl reaction
												-29.5 POORLY GRADED SAND with clay (SP-SC), pale brown (10YR6/3), very dense, wet, fine grained, few fines, weak HCl reaction, trace carbonate nodules

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST L. Bisson									
SITE DESCRIPTION Exelon COL Project (Victoria Site)										MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2164					DRILL METHOD: Mud Rotary					SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.4 ft (NAVD88)					NORTHING 13,412,538 US ft (NAD83)					EASTING 2,599,926 US ft (NAD83)					24 HR. ND				
TOTAL DEPTH 151.4 ft					DRILL MACHINE CME-550					DRILLER: L. Carter/D. Juhan					HAMMER (ID) 140 lb. Auto (MEC 03)				
DATE STARTED 11/17/07					COMPLETED 11/18/07					CASING DEPTH: N/A					BITS USED: 2 15/16" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION						
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100					
-31.8					Continued from previous page														
-39.5	119.9	5	7	8						SS-25		<p>POORLY GRADED SAND with clay (SP-SC), pale brown (10YR6/3), very dense, wet, fine grained, few fines, weak HCl reaction, trace carbonate nodules (continued)</p> <p>FAT CLAY (CH), light greenish gray (10Y7/1), stiff, moist, trace sand, no HCl reaction, trace manganese nodules and staining</p>							
-49.5	129.9	8	15	15						SS-26		<p>129.9ft: mottled strong brown (7.5YR5/8), very stiff, some sand, weak HCl reaction, trace carbonate nodules</p>							
-59.5	139.9	12	15	20						SS-27		<p>POORLY GRADED SAND with clay (SP-SC), pale brown (10YR6/3), dense, wet, fine grained, few fines, no HCl reaction</p>							
-69.5	149.9	16	15	23						SS-28		<p>WELL-GRADED SAND with clay (SW-SC), pale brown (10YR6/3), dense, wet, fine to coarse grained, few fines, weak HCl reaction</p> <p>Boring Terminated at Elevation -71.0 ft</p>							

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JPH Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST J. Jarvis				
SITE DESCRIPTION Exelon COL Project (Victoria Site)					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2165		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.1 ft (NAVD88)		NORTHING 13,412,661		US ft (NAD83)		EASTING 2,600,035		US ft (NAD83)			24 HR. ND			
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-45			DRILLER: D. Rhodes/K. Guy					HAMMER (ID) 140 lb. Auto (MEC 13)				
DATE STARTED 12/3/07		COMPLETED 12/4/04			CASING DEPTH: N/A					BITS USED: 2 15/16" Drag Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
80.1					Ground Surface								80.1	0.0
80.1	0.0	3	3	4										FAT CLAY (CH), black (5YR2.5/1), firm, moist, few to little sand, no HCl reaction
76.6	3.5	3	3	6										3.5ft: stiff
74.1	6.0	2	4	7										6.0ft: dark greenish gray (10GY4/1), carbonate nodules
71.6	8.5	5	9	13										8.5ft: light brown (7.5YR6/3), very stiff, ferrous and black staining, strong HCl reaction
69.1	11.0	7	11	16										
66.6	13.5	4	8	9										
61.6	18.5	6	7	11										18.5ft: light gray (10YR7/2), mottled brownish yellow (10YR6/8), weak HCl reaction
56.6	23.5	4	5	8										23.5ft: stiff
51.5	28.6	5	5	7										28.5ft: brownish yellow (10YR6/8), mottled light gray (10YR7/2), strong to weak HCl reaction
46.6	33.5	6	8	10										33.5ft: very stiff
41.6	38.5	5	6	9										38.5ft: stiff
35.6	44.5	5	7	9										44.5ft: very stiff
31.6	48.5	10	23	30										48.5ft: light gray (10YR7/2), hard, mottled brownish yellow (10YR6/8), some sand, strong HCl reaction
26.6	53.5	16	19	24										Clayey SAND (SC), light gray (10YR7/2), dense, moist, coarse grained, carbonate nodules, strong HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST J. Jarvis					
SITE DESCRIPTION Exelon COL Project (Victoria Site)				MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)					
BORING NO. B-2165		DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT				0 HR. ND		24 HR. ND			
GROUND SURFACE ELEV. 80.1 ft (NAVD88)		NORTHING 13,412,661		US ft (NAD83)		EASTING 2,600,035		US ft (NAD83)					
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-45		DRILLER: D. Rhodes/K. Guy				HAMMER (ID) 140 lb. Auto (MEC 13)					
DATE STARTED 12/3/07		COMPLETED 12/4/04		CASING DEPTH: N/A				BITS USED: 2 15/16" Drag Bit					
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
24.0					Continued from previous page								
21.6	58.5	4	8	42									Clayey SAND (SC), light gray (10YR7/2), dense, moist, coarse grained, carbonate nodules, strong HCl reaction (continued)
16.6	63.5	11	11	12									FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/8), very stiff, moist, few to little sand, strong HCl reaction
11.6	68.5	9	17	15									Clayey SAND (SC), pale brown (10YR6/3), dense, moist, coarse grained, some fines, carbonate nodules, ferrous staining, strong HCl reaction
6.6	73.5	23	18	22									
1.4	78.7	9	11	14									78.7ft: light gray (10YR7/2), very firm, weak HCl reaction
-3.5	83.6	7	10	11									POORLY GRADED SAND with clay (SP-SC), light gray (10YR7/2), mottled brownish yellow (10YR6/8), very firm, moist, coarse grained, few fines, no HCl reaction
-8.4	88.5	12	21	50/0.4									POORLY GRADED SAND (SP), pale brown (10YR6/3), very dense, moist, coarse grained, trace clay, no HCl reaction, carbonate layer at 89.8ft
-13.4	93.5	11	14	21									FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/8), hard, moist, few to little sand, interbedded carbonate layers, strong HCl reaction
-18.4	98.5	19	36	50/0.4									POORLY GRADED SAND (SP), pale brown (10YR6/3), very dense, wet, coarse grained, few fines, carbonate deposit 98.9ft to 99.4ft, strong HCl reaction
-28.4	108.5	21	12	13									FAT CLAY (CH), light gray (10YR7/2), mottled brownish yellow (10YR6/8), very stiff, moist, few sand, strong HCl reaction

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST J. Jarvis														
SITE DESCRIPTION Exelon COL Project (Victoria Site)										MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)									
BORING NO. B-2165					DRILL METHOD: Mud Rotary					SAMPLE METHODS: SPT					0 HR. ND									
GROUND SURFACE ELEV. 80.1 ft (NAVD88)					NORTHING 13,412,661					US ft (NAD83)					EASTING 2,600,035 US ft (NAD83)					24 HR. ND				
TOTAL DEPTH 150.0 ft					DRILL MACHINE CME-45					DRILLER: D. Rhodes/K. Guy					HAMMER (ID) 140 lb. Auto (MEC 13)									
DATE STARTED 12/3/07					COMPLETED 12/4/04					CASING DEPTH: N/A					BITS USED: 2 15/16" Drag Bit									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION											
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100										
-32.1					Continued from previous page																			
-38.5	118.6	8	11	13									POORLY GRADED SAND (SP), pale brown (10YR6/3), very firm, wet, coarse grained, trace fines, no HCl reaction (continued)											
-48.4	128.5	25	38	47						SS-25A/B			FAT CLAY (CH), gray (10YR6/1), very stiff, moist, few sand, black staining, carbonate nodules, no HCl reaction											
-58.4	138.5	42	37	50/0.5						SS-26A/B			POORLY GRADED SAND (SP), pale brown (10YR6/3), very dense, wet, coarse grained, trace fines, strong HCl reaction											
-68.4	148.5	33	28	27						SS-27			148.5ft: pinkish gray (7.5YR6/2)											
										SS-28			Boring Terminated at Elevation -69.9 ft											

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JFH Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST C. Gandy					
SITE DESCRIPTION Exelon COL Project (Victoria Site)					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)					
BORING NO. B-2166		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND		24 HR. ND			
GROUND SURFACE ELEV. 80.5 ft (NAVD88)		NORTHING 13,412,109 US ft (NAD83)			EASTING 2,599,713 US ft (NAD83)										
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC			DRILLER: D. White/O. Smith			HAMMER (ID) 140 lb. Auto (MEC 02)							
DATE STARTED 11/13/07		COMPLETED 11/14/07			CASING DEPTH: N/A			BITS USED: 2 7/8" Wing Bit							
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100	
80.5					Ground Surface								80.5	0.0	
80.5	0.0	4	4	4											
77.0	3.5	2	3	4											
74.5	6.0	5	5	6											
72.0	8.5	7	9	10											
69.5	11.0	5	7	7											
67.0	13.5	6	8	10											
62.0	18.5	5	6	7											
57.0	23.5	4	4	7											
52.0	28.5	4	5	7											
47.0	33.5	5	5	8											
42.0	38.5	4	4	8											
37.0	43.5	5	4	8											
32.0	48.5	5	6	9											
27.0	53.5	6	7	11											

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352		COUNTY Victoria		GEOLOGIST C. Gandy	
SITE DESCRIPTION Exelon COL Project (Victoria Site)			MACTEC PROJECT NO.: 6468-07-1777		GROUND WATER (ft)
BORING NO. B-2166	DRILL METHOD: Mud Rotary		SAMPLE METHODS: SPT		0 HR. ND
GROUND SURFACE ELEV. 80.5 ft (NAVD88)	NORTHING 13,412,109	US ft (NAD83)	EASTING 2,599,713	US ft (NAD83)	24 HR. ND
TOTAL DEPTH 150.0 ft	DRILL MACHINE CME-55 LC		DRILLER: D. White/O. Smith		HAMMER (ID) 140 lb. Auto (MEC 02)
DATE STARTED 11/13/07		COMPLETED 11/14/07		CASING DEPTH: N/A	
BITS USED: 2 7/8" Wing Bit					

ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
24.4					Continued from previous page								
22.0	58.5	6	7	10									FAT CLAY with sand (CH), very pale brown (10YR7/3), mottled brownish yellow (10YR6/6), very stiff, moist, little sand, strong HCl reaction, carbonate nodules, trace organics (continued) 58.5ft: few sand
17.0	63.5	5	8	11									63.5ft: light brownish gray (2.5Y6/2), mottled brownish yellow (10YR6/6), little sand, weak HCl reaction
12.0	68.5	10	12	15									12.0 - 68.5 Silty SAND (SM), very pale brown (10YR7/3), very firm, moist, little fines, strong HCl reaction
7.0	73.5	39	27	24									73.5ft: very dense
2.0	78.5	5	7	12									78.5ft: firm, some fines, no HCl reaction
-3.0	83.5	14	7	12									-3.0 - 83.5 FAT CLAY (CH), yellow (10YR7/8), mottled very pale brown (10YR7/3), very stiff, moist, few sand, weak HCl reaction, carbonate nodules
-8.0	88.5	19	50/0.2										-8.0 - 88.5 LEAN CLAY with sand (CL), very pale brown (10YR8/3), hard, moist, some sand, strong HCl reaction, carbonate nodules
-13.0	93.5	24	27	36									-13.0 - 93.5 POORLY GRADED SAND (SP), very pale brown (10YR8/3), very dense, wet, fine grained, trace fines, no HCl reaction, interbedded layers of cemented carbonate sand
-18.0	98.5	50/0.4											-18.0 - 98.5 POORLY GRADED SAND with silt (SP-SM), very pale brown (10YR7/4), very dense, moist, fine to medium grained, few fines, strong HCl reaction
-28.0	108.5	6	7	11									-28.0 - 108.5 FAT CLAY with sand (CH), very pale brown (10YR7/4), mottled brownish yellow (10YR6/6), very stiff, moist, little sand, strong HCl reaction, carbonate nodules

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy					
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777				GROUND WATER (ft)			
BORING NO. B-2166		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND			
GROUND SURFACE ELEV. 80.5 ft (NAVD88)		NORTHING 13,412,109		US ft (NAD83)		EASTING 2,599,713		US ft (NAD83)		24 HR. ND			
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)			
DATE STARTED 11/13/07		COMPLETED 11/14/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit			
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
-31.7					Continued from previous page								
-38.0	118.5	6	7	10	●17					SS-25			FAT CLAY with sand (CH), very pale brown (10YR7/4), mottled brownish yellow (10YR6/6), very stiff, moist, little sand, strong HCl reaction, carbonate nodules (continued)
-48.0	128.5	15	18	24	●42					SS-26			POORLY GRADED SAND (SP), white (10YR8/1), dense, wet, trace fines, no HCl reaction
-58.0	138.5	17	16	24	●40					SS-27			POORLY GRADED SAND with silt (SP-SM), very pale brown (10YR7/4), to pale yellow (2.5Y8/2), dense, wet, few fines, no HCl reaction
-68.0	148.5	7	10	12	●22					SS-28			FAT CLAY with sand (CH), light gray (10YR7/2), very stiff, moist, little fine grained sand, weak HCl reaction, carbonate nodules, trace iron nodules
													Boring Terminated at Elevation -69.5 ft

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



GEOTECHNICAL BORING LOG

Prepared By JTH Date 6-12-08

Checked By KAW Date 7-10-08

SHEET 1 OF 3

BECHTEL PROJECT NO.: 25352					COUNTY Victoria					GEOLOGIST C. Gandy				
SITE DESCRIPTION Exelon COL Project (Victoria Site)					MACTEC PROJECT NO.: 6468-07-1777					GROUND WATER (ft)				
BORING NO. B-2167		DRILL METHOD: Mud Rotary			SAMPLE METHODS: SPT					0 HR. ND				
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,192			US ft (NAD83)		EASTING 2,599,781			US ft (NAD83)		24 HR. ND		
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC			DRILLER: D. White/O. Smith					HAMMER (ID) 140 lb. Auto (MEC 02)				
DATE STARTED 11/14/07		COMPLETED 11/15/07			CASING DEPTH: N/A					BITS USED: 2 7/8" Wing Bit				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
80.2					Ground Surface								80.2	0.0
80.2	0.0	3	3	4							SS-1			FAT CLAY (CH), dark gray (10YR4/1), firm, moist, few sand, no HCl reaction, roots
76.7	3.5	4	5	8							SS-2			3.5ft: gray (10Y5/1), stiff, moist, little sand, weak HCl reaction, carbonate nodules, thinly laminated
74.2	6.0	6	6	8							SS-3		74.2	6.0
71.7	8.5	7	7	9							SS-4			LEAN CLAY with sand (CL), very pale brown (10YR7/3), stiff, moist, little sand, strong HCl reaction, carbonate nodules, trace mottling, organics
69.2	11.0	7	8	9							SS-5			8.5ft: very pale brown (10YR8/3), very stiff
66.7	13.5	7	7	10							SS-6			13.5ft: very pale brown (10YR7/3), few sand, no HCl reaction, ferrous staining
61.7	18.5	5	5	6							SS-7		61.7	18.5
56.7	23.5	6	7	7							SS-8			FAT CLAY (CH), yellow (10YR7/8), mottled with very pale brown (10YR8/3), stiff, moist, few sand, strong HCl reaction, carbonate nodules, organics, ferrous staining
51.7	28.5	5	5	8							SS-9			23.5ft: very pale brown (10YR8/3), little sand, weak HCl reaction
46.7	33.5	7	7	10							SS-10			28.5ft: yellow (10YR7/8), mottled with brownish yellow (10YR6/6), few sand, strong HCl reaction
41.7	38.5	4	5	7							SS-11			33.5ft: very stiff, thinly laminated, trace organics
36.7	43.5	5	5	9							SS-12			38.5ft: stiff, organics, ferrous staining
31.7	48.5	6	12	19							SS-13		31.7	48.5
26.7	53.5	12	17	18							SS-14		26.7	53.5
														Clayey SAND (SC), very pale brown (10YR8/2), dense to very firm, moist, little sand, no HCl reaction, ferrous staining

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08



BECHTEL PROJECT NO.: 25352				COUNTY Victoria				GEOLOGIST C. Gandy					
SITE DESCRIPTION Exelon COL Project (Victoria Site)						MACTEC PROJECT NO.: 6468-07-1777						GROUND WATER (ft)	
BORING NO. B-2167		DRILL METHOD: Mud Rotary				SAMPLE METHODS: SPT				0 HR. ND			
GROUND SURFACE ELEV. 80.2 ft (NAVD88)		NORTHING 13,412,192 US ft (NAD83)		EASTING 2,599,781 US ft (NAD83)		24 HR. ND							
TOTAL DEPTH 150.0 ft		DRILL MACHINE CME-55 LC				DRILLER: D. White/O. Smith				HAMMER (ID) 140 lb. Auto (MEC 02)			
DATE STARTED 11/14/07		COMPLETED 11/15/07				CASING DEPTH: N/A				BITS USED: 2 7/8" Wing Bit			
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
24.1		Continued from previous page											
21.7	58.5	9	15	11						SS-15		Clayey SAND (SC), very pale brown (10YR8/2), dense to very firm, moist, little sand, no HCl reaction, ferrous staining (continued)	
16.7	63.5	5	7	10						SS-16	16.7	FAT CLAY with sand (CH), very pale brown (10YR7/3), very stiff, moist, little sand, weak HCl reaction, trace carbonate nodules, ferrous staining	
11.7	68.5	7	10	14						SS-17	11.7	Silty SAND (SM), very pale brown (10YR8/3), very firm, moist to wet, little fines, no HCl reaction, carbonate nodules	
6.7	73.5	14	18	19						SS-18		73.5ft: dense, strong HCl reaction	
1.7	78.5	5	5	8						SS-19	1.7	FAT CLAY with sand (CH), very pale brown (10YR8/3), stiff, moist, little sand, strong HCl reaction, carbonate nodules	
-3.3	83.5	19	18	8						SS-20		83.5ft: very stiff, moist, some sand, little to some gravel sized carbonate nodules 84.5ft: brownish yellow (10YR6/8), mottled with very pale brown (10YR8/3), few sand, trace carbonate nodules, trace organics	
-8.3	88.5	23	28	28						SS-21		88.5ft: very pale brown (10YR8/2), trace mottling, hard, little to some carbonate nodules	
-13.3	93.5	11	16	23						SS-22	-13.3	Clayey SAND (SC), very pale brown (10YR8/2), dense, little fines, no HCl reaction, trace carbonate nodules	
-18.3	98.5	43	50/0.4		93/0.9					SS-23	-18.3	POORLY GRADED SAND (SP), very pale brown (10YR7/3), very dense, wet, trace fines, strong HCl reaction	
-28.3	108.5	6	7	8						SS-24	-28.3	FAT CLAY (CH), very pale brown (10YR7/4), to brownish yellow (10YR6/6), stiff, moist, few sand, weak HCl reaction, carbonate nodules, organics	

EXELON COL BORE EXELON-2.GPJ EXELON COL.GDT 6/12/08