MACTEC

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-2253	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.9 ft (NAVD88)	NORTHING 13,413,588 US ft (NAD83)	EASTING 2,600,485 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 11/7/07	COMPLETED 11/8/07	CASING DEPTH: N/A	BITS USED: 2 7/8" Wing Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
24.8					Continued from previous page				
22.4	58.5								Clayey SAND (SC), light gray (10YR7/2), very firm, moist, some fines, weak HCl reaction *(continued)*
		14	13	28	41	SS-15			22.4 — 58.5 POORLY GRADED SAND (SP), light gray (10YR7/2), dense, moist, fine sand, trace fines, strong HCl reaction, 0.2'-thick lense of carbonate gravel
17.4	63.5								17.4 — 63.5
		6	7	9	16	SS-16			FAT CLAY (CH), light gray (10YR7/2), mottled light brown (7.5YR6/4), very stiff, moist, little sands, strong HCl reaction, iron and carbonate nodules
12.4	68.5								
		4	6	8	14	SS-17			68.5ft: light brown (75.YR6/3), mottled, stiff
7.4	73.5								73.5ft: pale brown (10YR6/3), very stiff, thinly laminated
		7	9	12	21	SS-18			
2.4	78.5								
		7	9	11	20	SS-19			78.5ft: light gray (10YR7/2), few sands, gravel sized carbonate nodules
-2.6	83.5								-2.6 — 83.5
		14	21	28	49	SS-20			POORLY GRADED SAND (SP), light gray (10YR7/2), dense, moist, trace fines, no HCl reaction
-7.6	88.5								
		50/0.2			50/0.2	SS-21			88.5ft: no recovery, very dense
-12.6	93.5								-12.6 — 93.5
		8	18	22	40	SS-22			FAT CLAY with sand (CH), light gray (10YR7/2), mottled strong brown (7.5YR5/6), hard, moist, little sand, carbonate nodules
-17.6	98.5								-17.6 — 98.5
		45	50/0.5		95/1.0	SS-23			Clayey SAND with gravel (SC), very pale brown (10YR8/3), very dense, wet, little fines and gravel, carbonate nodules, strong HCl reaction
-27.6	108.5								-27.6 — 108.5
		24	36	50/0.4	86/0.9	SS-24			POORLY GRADED SAND (SP), very pale brown (10YR7/4), very dense, moist, medium to coarse grained, few fines, strong HCl reaction

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

MACTEC

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-2253	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.9 ft (NAVD88)	NORTHING 13,413,588 US ft (NAD83)	EASTING 2,600,485 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 11/7/07	COMPLETED 11/8/07	CASING DEPTH: N/A	BITS USED: 2 7/8" Wing Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-31.3					Continued from previous page				
									POORLY GRADED SAND (SP), very pale brown (10YR7/4), very dense, moist, medium to coarse grained, few fines, strong HCl reaction *(continued)*
-37.6	118.5								-37.6 — 118.5
		5	9	18	27	SS-25			FAT CLAY (CH), very pale brown (10YR8/2), very stiff, moist, few sands, weak HCl reaction, carbonate nodules, trace iron and organic stains
-47.6	128.5								-47.6 — 128.5
		22	26	44	70	SS-26			Clayey SAND (SC), very pale brown (10YR8/3), very dense, wet, some fines, strong HCl reaction, carbonate nodules
-57.6	138.5								-57.6 — 138.5
		19	23	45	68	SS-27			POORLY GRADED SAND with silt (SP-SM), very pale brown (10YR7/3), very dense, wet, few fines, trace carbonate nodules, trace clay seams, strong HCl reaction
-67.6	148.5								-67.6 — 148.5
		7	10	11	21	SS-28			Clayey SAND (SC), very pale brown (10YR7/3), very firm, moist, some fines, strong HCl reaction, increasing clay content with depth
									-69.1 — 150.0
									Boring Terminated at Elevation -69.1 ft

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

MACTEC

GEOTECHNICAL BORING LOG

Prepared By JPJ Date 6-12-08

Checked By KAW Date 7-10-08

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-2254	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.5 ft (NAVD88)	NORTHING 13,413,216 US ft (NAD83)	EASTING 2,600,263 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.4 ft	DRILL MACHINE CME-550	DRILLER: L. Carter/ J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/28/07	COMPLETED 11/29/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
80.5					Ground Surface				
80.5	0.0	2	3	7	10	SS-1			80.5 — 0.0 Sandy LEAN CLAY (CL), black (2.5Y1), stiff, moist, few sand, no HCl reaction, trace roots
77.0	3.5	17	15	15	30	SS-2			77.0 — 3.5 LEAN CLAY with sand (CL), olive gray (5Y5/2), very stiff, moist, some sand, weak HCl reaction, trace carbonate nodules
74.5	6.0	7	9	13	22	SS-3			6.0ft: light olive gray (5Y6/2), to brownish yellow (10YR6/8), few sand, strong HCl reaction, trace black staining
72.0	8.5	8	11	12	23	SS-4			
69.5	11.0	8	8	10	18	SS-5			69.5 — 11.0 LEAN CLAY (CL), brownish yellow (10YR6/6), veined light greenish gray (10Y7/1), very stiff, moist, few sand, strong HCl reaction, trace carbonate nodules
67.0	13.5	7	9	12	21	SS-6			
60.6	19.9	3	5	6	11	SS-7			60.6 — 19.9 FAT CLAY with sand (CH), brownish yellow (10YR6/6), stiff, moist, trace sand, weak HCl reaction, trace carbonate nodules
55.6	24.9	4	4	6	10	SS-8			55.6 — 24.9 LEAN CLAY with sand (CL), brownish yellow (10YR6/6), to light greenish gray (10YR7/1), stiff, moist, trace sand, weak HCl reaction
50.6	29.9	4	4	5	9	SS-9			29.9ft: light brownish gray (2.5Y6/2), some sand, no HCl reaction
45.6	34.9	11	13	17	30	SS-10			47.2 — 33.3 Clayey SAND (SC), light gray (2.5Y7/2), very firm, moist, fine grained, some fines, no HCl reaction, trace black and orange staining
40.6	39.9	5	7	9	16	SS-11			40.6 — 39.9 LEAN CLAY with sand (CL), light greenish gray (10Y7/1), with strong brown (7.5YR5/8), very stiff, moist, little sand, little to no HCl reaction in clay
35.6	44.9	6	7	8	15	SS-12			44.9ft: light olive gray (5Y6/2), stiff, weak HCl reaction, trace carbonate nodules
30.6	49.9	5	6	9	15	SS-13			32.5 — 48.0 Clayey SAND (SC), light brownish gray (2.5Y6/2), to light olive gray (5Y6/2), firm to very firm, moist, fine grained, some fines, no HCl reaction
25.6	54.9	6	10	12	22	SS-14			

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

MACTEC

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-2254	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.5 ft (NAVD88)	NORTHING 13,413,216 US ft (NAD83)	EASTING 2,600,263 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.4 ft	DRILL MACHINE CME-550	DRILLER: L. Carter/ J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/28/07	COMPLETED 11/29/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
24.4					Continued from previous page				
									Clayey SAND (SC), light brownish gray (2.5Y6/2), to light olive gray (5Y6/2), firm to very firm, moist, fine grained, some fines, no HCl reaction *(continued)*
20.6	59.9	11	13	16	29	SS-15			59.9ft: weak HCl reaction
									18.5 — 62.0 FAT CLAY (CH), greenish gray (10Y6/1), very stiff, moist, few sand, no HCl reaction, trace carbonate nodules
15.6	64.9	8	9	11	20	SS-16			
10.6	69.9	5	8	10	18	SS-17			69.9ft: trace sand, weak HCl reaction
5.6	74.9	6	9	14	23	SS-18			74.9ft: light brownish gray (10YR6/2), little sand, no HCl reaction
0.6	79.9	6	12	14	26	SS-19			0.6 — 79.9 Clayey SAND (SC), light brownish gray (2.5Y6/2), very firm, moist, fine grained, some fines, no HCl reaction
-4.4	84.9	12	20	27	47	SS-20			-2.5 — 83.0 POORLY GRADED SAND with clay (SP-SC), light brownish gray (2.5Y6/2), dense, wet, fine grained, few fines, no HCl reaction
-9.4	89.9	13	29	33	62	SS-21			89.9ft: light gray (2.5Y7/2), very dense, weak HCl reaction, trace carbonate nodules
-14.4	94.9	18	31	34	65	SS-22			
-19.4	99.9	50/0.3			50/0.3	SS-23			-19.4 — 99.9 99.9ft: no recovery
-21.6	102.1	14	44	29	73	SS-24			Clayey SAND (SC), light gray (2.5Y7/2), very dense, moist, fine grained, some fines, strong HCl reaction, trace carbonate nodules
									-24.5 — 105.0 WELL-GRADED SAND with clay (SW-SC), light gray (2.5Y7/2), very dense, wet, fine, to coarse grained, strong HCl reaction, trace carbonate nodules
-29.4	109.9	29	39	33	72	SS-25			

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

MACTEC

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-2254	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.5 ft (NAVD88)	NORTHING 13,413,216 US ft (NAD83)	EASTING 2,600,263 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.4 ft	DRILL MACHINE CME-550	DRILLER: L. Carter/ J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/28/07	COMPLETED 11/29/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-31.7					Continued from previous page				
									-32.5 / 113.0 FAT CLAY (CH), light greenish gray (10Y7/1), very stiff, moist, no HCl reaction, trace carbonate nodules
-39.4	119.9	6	13	13	26	SS-26			
-49.4	129.9	25	32	31	63	SS-27			-49.4 / 129.9 POORLY GRADED SAND with clay (SP-SC), light gray (10YR7/2), very dense, wet, fine grained, few fines, strong HCl reaction
-59.4	139.9	19	37	50/0.3	87/0.8	SS-28			139.9ft: brownish yellow (10YR6/8)
									-65.0 / 145.5 FAT CLAY (CH), light gray (5Y6/2), very stiff, moist, trace sand, strong HCl reaction, trace carbonate nodules
-69.4	149.9	10	13	16	29	SS-29			-70.9 / 151.4 Boring Terminated at Elevation -70.9 ft

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

MACTEC

GEOTECHNICAL BORING LOG

Prepared By [signature] 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-2255 / DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.7 ft (NAVD88) / NORTHING 13,413,238 US ft (NAD83)	EASTING 2,600,341 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.3 ft / DRILL MACHINE CME-550	DRILLER: L. Carter/J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/29/07 / COMPLETED 11/30/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
80.7					Ground Surface				
80.7	0.0	3	4	5	9	SS-1			LEAN CLAY with sand (CL), dark olive brown (2.5Y3/3), stiff, moist, few sand, no HCl reaction, trace roots
77.2	3.5	14	11	12	23	SS-2			FAT CLAY (CH), greenish gray (10Y6/1), very stiff, moist, trace sand, strong HCl reaction, trace carbonate nodules, trace black staining
74.7	6.0	2	4	5	9	SS-3			6.0ft: light brownish gray (2.5Y6/2), stiff, weak HCl reaction
72.2	8.5	5	7	9	16	SS-4			8.5ft: light olive gray (5Y6/2), to yellowish brown (10YR5/8), very stiff, few sand, strong HCl reaction
69.7	11.0	6	10	9	19	SS-5			LEAN CLAY with sand (CL), greenish gray (10Y6/1), to brownish yellow (10YR6/8), very stiff, moist, little sand, trace massive carbonate nodules
67.2	13.5	4	6	6	12	SS-6			13.5ft: brownish yellow (10YR6/8), veined light greenish gray (10Y7/1), stiff, few sand
60.9	19.8	3	6	7	13	SS-7			FAT CLAY (CH), yellowish brown (10YR5/8), stiff, moist, trace sand, trace carbonate nodules, strong HCl reaction
55.9	24.8	3	5	8	13	SS-8			24.8ft: light yellowish brown (2.5Y6/3), to light olive gray (5Y6/2)
50.9	29.8	3	4	7	11	SS-9			Sandy LEAN CLAY (CL), light yellowish brown (10YR5/8), stiff, moist, some sand, strong HCl reaction, trace carbonate nodules
45.9	34.8	6	7	10	17	SS-10			34.8ft: light brownish gray (2.5Y6/2), very stiff
40.9	39.8	6	13	22	35	SS-11			39.8ft: greenish gray (10Y6/1), to strong brown (7.5YR5/8), hard, few sand, weak HCl reaction
35.9	44.8	7	11	15	26	SS-12			POORLY GRADED SAND with clay (SP-SC), light brownish gray (10YR6/2), very firm, wet, fine grained, few fines, no HCl reaction
30.9	49.8	7	9	14	23	SS-13			Clayey SAND (SC), light brownish gray (10Y6/2), very firm, wet, fine grained, little fines, no HCl reaction
25.9	54.8	6	6	15	21	SS-14			

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

MACTEC

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-2255	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.7 ft (NAVD88)	NORTHING 13,413,238 US ft (NAD83)	EASTING 2,600,341 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.3 ft	DRILL MACHINE CME-550	DRILLER: L. Carter/J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/29/07	COMPLETED 11/30/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
24.6					Continued from previous page				
									Sandy LEAN CLAY (CL), greenish gray (10Y6/1, 10Y5/1), and strong brown (7.5YR5/8), very stiff, moist, some sand, weak HCl reaction *(continued)*
20.9	59.8	13	12	11	23	SS-15A/B			59.8: 0.5'-thick layer of interbedded poorly graded sand
15.9	64.8	5	7	10	17	SS-16			15.9 — 64.8: FAT CLAY (CH), greenish gray (10Y5/1), very stiff, moist, trace sand, strong HCl reaction, trace carbonate nodules
10.9	69.8	5	5	9	14	SS-17			69.8ft: stiff, no HCl reaction
5.9	74.8	5	9	11	20	SS-18			74.8ft: gray (2.5Y6/1), very stiff, little sand, trace black staining
0.9	79.8	5	9	13	22	SS-19			79.8ft: light gray (2.5Y7/1)
-4.1	84.8	7	18	26	44	SS-20			-1.3 — 82.0: POORLY GRADED SAND with clay (SP-SC), light gray (10YR7/2), dense, wet, fine grained, few fines, strong HCl reaction, trace carbonate nodules
-9.1	89.8	10	17	27	44	SS-21			89.8ft: light gray (2.5Y7/2), weak to strong HCl reaction
-14.1	94.8	24	31	50/0.3	81/0.8	SS-22			-14.1 — 94.8: FAT CLAY with sand (CH), light gray (5Y7/1), hard, moist, little sand, strong HCl reaction, interbedded carbonate
-19.1	99.8	38	42	50	92	SS-23A/B			-19.1 — 99.8: POORLY GRADED SAND with clay (SP-SC), light gray (2.5Y7/2), very dense, wet, fine grained, few fines below 100.8ft, strong HCl reaction 99.8-100.8ft: some fines
-29.1	109.8	22	38	40	78	SS-24			109.8ft: light yellowish brown (2.5Y6/3)

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

MACTEC

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-2255	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.7 ft (NAVD88)	NORTHING 13,413,238 US ft (NAD83)	EASTING 2,600,341 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 151.3 ft	DRILL MACHINE CME-550	DRILLER: L. Carter/J. Landeros	HAMMER (ID) 140 lb. Auto (MEC 03)
DATE STARTED 11/29/07	COMPLETED 11/30/07	CASING DEPTH: N/A	BITS USED: 2 15/16" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-31.5					Continued from previous page				
									POORLY GRADED SAND with clay (SP-SC), light gray (2.5Y7/2), very dense, wet, fine grained, few fines below 100.8ft, strong HCl reaction 99.8-100.8ft: some fines *(continued)*
-39.1	119.8								-39.1 — 119.8
		8	9	13	22	SS-25			FAT CLAY (CH), light greenish gray (10Y7/1), very stiff, moist, trace sand, weak HCl reaction, trace carbonate nodules and black staining
									-41.3 — 122.0 Clayey SAND (SC), light gray (2.5Y7/2), dense, wet, fine grained, little fines, strong HCl reaction
-49.1	129.8								
		12	18	26	44	SS-26			
-59.1	139.8								-59.1 — 139.8
		50/0.3			50/0.3	SS-27			POORLY GRADED SAND (SP), light gray (10YR7/2), very dense, moist, fine grained, trace fines, strong HCl reaction
									-60.3 — 141.0 FAT CLAY with sand (CH), light olive gray (5Y6/2), very stiff, moist, little sand, weak HCl reaction, trace carbonate nodules
-69.1	149.8								
		7	8	12	20	SS-28			
									-70.6 — 151.3 Boring Terminated at Elevation -70.6 ft

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

MACTEC

GEOTECHNICAL BORING LOG

Prepared By JPK Date 6-12-08

Checked By KAW Date 7-10-08

BECHTEL PROJECT NO.: 25352		COUNTY Victoria	GEOLOGIST A. Osorio
SITE DESCRIPTION Exelon COL Project		MACTEC PROJECT NO.: 6468-07-1777	GROUND WATER (ft)
BORING NO. B-2256	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.3 ft (NAVD88)	NORTHING 13,413,314 US ft (NAD83)	EASTING 2,600,403 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 200.0 ft	DRILL MACHINE CME-75	DRILLER: D. Nalls/B. Turner	HAMMER (ID) 140 lb. Auto (MEC 11)
DATE STARTED 12/1/07	COMPLETED 12/2/07	CASING DEPTH: 2.0 ft	BITS USED: 3" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
80.3					Ground Surface				80.3 / 0.0
80.3	0.0	2	3	4	7	SS-1			Sandy LEAN CLAY (CL), black (2.5/N), firm, moist, trace sand, organics, no HCl reaction
76.8	3.5	2	3	3	6	SS-2			3.5ft: dark gray (4/N), some sand, carbonate nodules, strong HCl reaction
74.3	6.0	3	4	6	10	SS-3			6.0ft: stiff, light brownish gray (10YR6/2), little sand
71.8	8.5	4	5	7	12	SS-4			71.8 / 8.5 — FAT CLAY (CH) yellowish brown (10YR5/4 and 10YR5/6), mottled greenish gray (10Y6/1), stiff, moist, trace sand, black stains, carbonate nodules
69.3	11.0	5	9	13	22	SS-5			11.0ft: very stiff
66.8	13.5	9	9	10	19	SS-6			
61.8	18.5	5	7	10	17	SS-7			
56.8	23.5	4	6	8	14	SS-8			23.5ft: stiff
51.8	28.5	6	10	13	23	SS-9			28.5ft: greenish gray (10Y6/1), very stiff, little sand, no HCl reaction, yellowish brown stains
46.8	33.5	6	9	9	18	SS-10			46.8 / 33.5 — Sandy LEAN CLAY (CL), light greenish gray (5GY7/1), mottled yellowish brown (10YR5/6), very stiff, moist, some sand, no HCl reaction
41.8	38.5	8	10	10	20	SS-11			45.3 / 35.0 — POORLY GRADED SAND (SP), light greenish gray (5GY7/1), firm, moist, fine grained, trace fines, no HCl reaction, yellow brown stains
36.8	43.5	5	7	9	16	SS-12			36.8 / 43.5 — POORLY GRADED SAND with clay (SP-SC), light greenish gray (5GY7/1), firm, moist, fine grained, few fines, with yellowish brown stains, no HCl reaction
31.8	48.5	7	8	12	20	SS-13			
26.8	53.5	5	7	8	15	SS-14			

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

MACTEC

BECHTEL PROJECT NO.: 25352	COUNTY Victoria	GEOLOGIST A. Osorio	
SITE DESCRIPTION Exelon COL Project	MACTEC PROJECT NO.: 6468-07-1777	GROUND WATER (ft)	
BORING NO. B-2256	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.3 ft (NAVD88)	NORTHING 13,413,314 US ft (NAD83)	EASTING 2,600,403 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 200.0 ft	DRILL MACHINE CME-75	DRILLER: D. Nalls/B. Turner	HAMMER (ID) 140 lb. Auto (MEC 11)
DATE STARTED 12/1/07	COMPLETED 12/2/07	CASING DEPTH: 2.0 ft	BITS USED: 3" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
24.2					Continued from previous page				
21.8	58.5								POORLY GRADED SAND with clay (SP-SC), light greenish gray (5GY7/1), firm, moist, fine grained, few fines, with yellowish brown stains, no HCl reaction *(continued)* — 21.8 / 58.5
		8	24	26	50	SS-15			POORLY GRADED SAND (SP), light greenish gray (5GY7/1), dense, moist, fine grained, trace fines, carbonate nodules, no HCl reaction
16.8	63.5								17.3 / 63.0
		4	6	7	13	SS-16			FAT CLAY (CH), greenish gray (10YR6/1), mottled yellowish brown (10YR5/6), stiff, moist, trace sand, carbonate nodules, black stains, weak HCl reaction
11.8	68.5								
		3	6	8	14	SS-17			
6.8	73.5								
		6	7	10	17	SS-18			73.5ft: very stiff, little sand, no HCl reaction
1.8	78.5								
		6	9	13	22	SS-19			
-3.2	83.5								-3.5 / 83.8
		16	12	12	24	SS-20			POORLY GRADED SAND (SP), light gray (10YR7/2), very firm, moist, fine grained, trace fines, strong HCl reaction
-8.2	88.5								-8.2 / 88.5
		23	23	45	68	SS-21			FAT CLAY with sand (CH), greenish gray (10Y6/1), hard, moist, few sand, some carbonate nodules, strong HCl reaction
-13.2	93.5								-13.2 / 93.5
		21	28	41	69	SS-22			POORLY GRADED SAND with clay (SP-SC), greenish gray (10Y6/1), very dense, moist, fine grained, few fines, few carbonate nodules, strong HCl reaction, yellowish brown stains
-18.2	98.5								-18.2 / 98.5
		32	29	27	56	SS-23			POORLY GRADED SAND (SP), pale brown (10YR6/3), very dense, moist, medium grained, trace fines, strong HCl reaction, 0.1'-thick interbedded clay layer
-28.2	108.5								
		24	37	36	73	SS-24			108.5ft: light brownish gray (10YR6/2)

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

MACTEC

BECHTEL PROJECT NO.: 25352		COUNTY Victoria	GEOLOGIST A. Osorio
SITE DESCRIPTION Exelon COL Project		MACTEC PROJECT NO.: 6468-07-1777	GROUND WATER (ft)
BORING NO. B-2256	DRILL METHOD: Mud Rotary	SAMPLE METHODS: SPT	0 HR. ND
GROUND SURFACE ELEV. 80.3 ft (NAVD88)	NORTHING 13,413,314 US ft (NAD83)	EASTING 2,600,403 US ft (NAD83)	24 HR. ND
TOTAL DEPTH 200.0 ft	DRILL MACHINE CME-75	DRILLER: D. Nalls/B. Turner	HAMMER (ID) 140 lb. Auto (MEC 11)
DATE STARTED 12/1/07	COMPLETED 12/2/07	CASING DEPTH: 2.0 ft	BITS USED: 3" Drag Bit

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-31.9					Continued from previous page				
									-34.7 / 115.0 FAT CLAY (CH), greenish gray (10YR6/1), hard, moist, trace sand, no HCl reaction, carbonate nodules, black and yellowish stains
-38.2	118.5	5	18	13	31	SS-25			
									-44.7 / 125.0 Silty SAND (SM), greenish gray (10Y6/1), dense, moist, fine grained, little fines, strong HCl reaction
-48.2	128.5	15	18	25	43	SS-26			
-58.2	138.5	45	50/0.4		95/0.9	SS-27			-58.2 / 138.5 POORLY GRADED SAND (SP), light gray (10YR7/2), very dense, moist, fine to medium grained, strong HCl reaction
-68.2	148.5	13	17	19	36	SS-28			148.5ft: dense
-78.2	158.5	45	50/0.2		95/0.7	SS-29			158.5ft: very dense

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