Prepared By 7-10-08
Checked By RAW 7-10-08

TESTING SUMMARY - SOIL BORINGS
Exelon COL Project (Victoria Site)
MACTEC Project No. 6468-07-1777
POWER BLOCK

Boring Number	Boring Type		Depth (ft)		As-Built Coordinates/Elevations			In-Situ Testing					
	SPT	UD Tubes	Proposed	Actual	Northing (US ft)	Easting (US ft)	Ground Surface Elevation (ft)	P-S Suspension	Deviation	Natural Gamma	Resistivity	Caliper	Spontaneous Potential
B-2182A	X		400.0	399.8	13,412,207.42	2,600,143.80	79.47						
B-2182A Offset			400.0	410.0	13,412,209.92	2,600,137.01	79.70	X	X	X	X	X	X
B-2182UD		X	400.0	402.5	13,412,219.83	2,600,133.21	79.66						
B-2183	X		150.0	151.3	13,412,265.92	2,600,166.16	79.63						
B-2184	X		100.0	151.2	13,412,295.45	2,600,305.43	79.71						
B-2185	X		150.0	151.1	13,412,320.54	2,600,808.84	79.46						
B-2250	X		150.0	151.3	13,413,327.46	2,600,233.62	81.05						
B-2251	X		200.0	210.0	13,413,404.52	2,600,267.97	80.79						
B-2252	X		150.0	153.4	13,413,478.24	2,600,360.51	80.74						
B-2253	X		150.0	150.0	13,413,587.94	2,600,484.98	80.86						
B-2254	X		150.0	151.4	13,413,216.45	2,600,262.92	80.54						
B-2255	X		150.0	151.3	13,413,238.32	2,600,340.81	80.67						
B-2256	X		200.0	200.0	13,413,314.37	2,600,403.14	80.26						
B-2257	X		150.0	151.4	13,413,389.48	2,600,466.52	80.78						
B-2258	X		100.0	100.0	13,413,515.62	2,600,571.47	80.77						
B-2259	X		200.0	210.0	13,413,243.36	2,600,432.64	80.35						
B-2260	X		200.0	198.9	13,412,945.85	2,600,269.60	80.71						
B-2261	X		150.0	151.5	13,413,029.99	2,600,340.99	80.50						
B-2262A	X		200.0	200.0	13,413,146.75	2,600,442.41	80.42						
B-2262A Offset			200.0	200.0	13,413,146.80	2,600,433.53	80.57	X	X	X	X	X	X
B-2263	X		150.0	151.1	13,413,227.48	2,600,506.73	80.43						
B-2264	X		150.0	151.0	13,413,303.45	2,600,569.40	80.51						
B-2265	X		150.0	154.0	13,413,424.28	2,600,677.27	80.60						
B-2266	X		150.0	149.5	13,412,873.85	2,600,353.67	80.67						
B-2267	X		150.0	149.5	13,412,957.81	2,600,424.15	80.74						
B-2268	X		200.0	200.0	13,413,056.37	2,600,528.54	80.58						
B-2269	X		400.0	403.3	13,413,117.17	2,600,582.50	80.45						
B-2269UD		X	400.0	402.0	13,413,092.19	2,600,593.55	80.06						
B-2270	X		300.0	300.0	13,413,179.24	2,600,633.41	80.62						
B-2271	X		300.0	301.2	13,413,253.44	2,600,735.25	80.46						
B-2272	X		100.0	100.0	13,412,863.21	2,600,472.73	80.22						
B-2273	X		300.0	399.4	13,412,991.35	2,600,585.52	80.69						
B-2274A	X		600.0	594.7	13,413,066.34	2,600,642.97	80.86						
B-2274A Offset			600.0	620.0	13,413,070.52	2,600,633.47	80.34	X		X	X	X	X
B-2274UD		X	600.0	607.7	13,413,047.70	2,600,652.45	80.41						
B-2275	X		200.0	199.5	13,413,133.62	2,600,702.31	80.49						
B-2276A	X		200.0	199.5	13,413,276.30	2,600,822.55	80.53						
B-2276A Offset			200.0	210.0	13,413,289.36	2,600,817.99	80.63	X	X	X	X	X	X
B-2277	X		150.0	150.3	13,412,961.61	2,600,644.66	80.60						
B-2278	X		150.0	151.4	13,413,084.23	2,600,745.84	80.69						
B-2279	X		200.0	198.8	13,413,192.06	2,600,811.88	80.28						
B-2280	X		200.0	198.1	13,413,014.25	2,600,704.09	80.57						
B-2281	X		150.0	150.0	13,412,908.71	2,600,705.43	80.42						
B-2282A	X		400.0	400.0	13,412,970.74	2,600,757.69	80.31						
B-2282A Offset			400.0	410.0	13,412,962.40	2,600,766.39	80.46	X	X	X	X	X	X
B-2283	X		150.0	151.2	13,413,031.52	2,600,808.58	80.40						
B-2284	X		150.0	150.0	13,413,060.61	2,600,948.44	80.42						
B-2285	X		150.0	151.2	13,412,682.80	2,600,322.38	80.35						

TABLE 2.1 A
Page 2 of 2

Prepared By JPZ 6-9-08
Checked By WBd 6-9-08

TABLE 2.1 B - TEST PITS
TESTING SUMMARY - TEST PITS
Exelon COL Project (Victoria Site)
MACTEC Project Number 6468071777

Test Pit Number	Coordinates			Comments
	Northing (US ft)	Easting (US ft)	Ground Surface Elevation (ft)	
TP-2101	13,412,437.27	2,599,756.15	80.43	
TP-2102	13,412,124.00	2,599,818.54	80.35	
TP-2103	13,411,950.60	2,600,103.92	79.70	
TP-2104	13,412,451.21	2,600,288.03	80.20	
TP-2201	13,413,198.85	2,600,399.35	79.85	
TP-2202	13,412,889.65	2,600,464.19	80.60	
TP-2203	13,412,717.50	2,600,741.27	80.26	
TP-2204	13,413,215.93	2,600,931.80	80.84	

Prepared By 6-13-08
Checked By KAW 6·13·08

TABLE 2.1 C
TESTING SUMMARY - CPT
Exelon COL Project (Victoria Site)
COL Project
MACTEC Project No. 6468-07-1777
POWER BLOCK

CPT Number	Depth		Testing		Coordinates			Comments
	Proposed (ft)	Actual (ft)	Seismic	Pore Pressure Dissipation	Northing (US ft)	Easting (US ft)	Ground Surface Elevation (ft)	(Further details on termination of soundings given in Appendix C)
C-2101	100	94.6			13412774.10	2599705.86	80.12	
C-2102S	100	91.9	X		13412550.23	2599702.26	80.17	
C-2103	100	93.4			13412715.32	2599852.09	77.68	
C-2104S	100	71.5	X	X	13412187.52	2599704.22	80.10	
C-2105	100	88.0			13412269.09	2599774.92	80.19	
C-2106S	100	79.3	X		13412296.36	2599958.27	79.51	
C-2106	300	300.0		X	13412291.55	2599955.62	79.59	Multistage soundings with intervals of drilling. Profile compiled from all data records for C-2106.
C-2107	100	95.3			13412304.73	2600042.26	79.96	
C-2108	100	93.3			13412425.89	2600105.91	79.78	
C-2109S	100	90.0	X		13412545.94	2600138.83	79.93	
C-2110	100	92.2			13412478.15	2600217.10	80.00	
C-2111	100	16.7			13412225.65	2600089.78	78.04	Slope of rods is excessive
C-2111A	100	33.9			13412224.80	2600089.84	78.14	Slope of rods is excessive
C-2111B	100	38.4			13412225.10	2600087.29	78.28	Slope of rods is excessive
C-2111C	100	85.8			13412238.89	2600087.16	78.04	Slope of rods is excessive
C-2111D	100	95.5			13412212.18	2600086.06	79.22	
C-2112	100	99.7			13412358.60	2600185.71	79.55	
C-2113	100	96.8			13412251.45	2600231.11	79.31	
C-2201	100	98.7			13413541.97	2600349.92	80.62	
C-2202S	100	93.0	X		13413315.91	2600345.61	80.42	
C-2203	100	100.0		X	13413489.00	2600490.16	80.56	
C-2204S	100	55.0			13412953.12	2600347.76	80.35	Geophone malfunction
C-2204SA	100	91.0		X	13412954.25	2600354.46	80.30	Faulty siesmic data
C-2204SB	100	90	X		13412963.86	2600351.20	80.18	
C-2205	100	95			13413036.37	2600417.96	80.39	
C-2206S	100	93.8	X		13413071.11	2600604.08	80.63	
C-2206	300	247.2		X	13413081.83	2600615.27	80.22	Multistage soundings with intervals of drilling. Profile compiled from all data records for C-2206.
C-2207	100	90.6		X	13413071.18	2600687.06	80.39	
C-2208	100	96			13413191.48	2600748.18	80.54	
C-2209S	100	90	X		13413311.92	2600780.51	80.27	
C-2210	100	33			13413244.43	2600858.74	80.30	Slope of rods is excessive
C-2210A	100	99.6			13413246.80	2600860.38	79.87	
C-2211	100	93			13412992.38	2600730.80	80.20	
C-2212	100	83			13413123.28	2600827.18	80.44	
C-2213	100	97.3		X	13413017.49	2600874.63	80.46	
C-2214	100	93.6			13412587.86	2600280.45	79.86	
C-2215	100	92.6			13412539.13	2600425.19	79.83	
C-2216	100	96.7			13414151.27	2600733.87	80.54	

MACTEC ENGINEERING AND CONSULTING, INC
RALEIGH, NC

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7.10.08

TABLE 4.1
SUMMARY OF SOIL INDEX TEST RESULTS
FOR SPLIT SPOON SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2151	SS 1	0-1.5	CH	0.0	28.8	71.2	15.1	56.1	20.7	57	17	40	2.68	2.4
B-2151	SS 2	3.5-5	CL	0.4	30.1	69.5	14.3	55.2	16.4	46	20	26		
B-2151	SS 3	6-7.5	CH	0.0	21.4	78.6	18.6	60.0	19.4	54	24	30		1.5
B-2151	SS 4	8.5-10.1	CL	0.0	17.2	82.8	25.2	57.6	14.3	44	14	30		
B-2151	SS 5	11-12.5	CL	0.0	36.4	63.6	20.9	42.7	43.5	39	13	26		2.5
B-2151	SS 6	13.5-15	CL	0.0	33.5	66.5	15.5	51.0	12.7	34	13	21		
B-2151	SS 7	19.5-21	CH	0.0	8.9	91.1	14.3	76.8	22.8	69	19	50	2.75	4.4
B-2151	SS 8	24.5-26	CH	0.0	2.5	97.5	11.2	86.3	26.8	82	26	56		
B-2151	SS 9	29.5-31	CH	0.0	3.4	96.6	18.5	78.1	22.8	69	22	47		5.3
B-2151	SS 10	34.5-36	CH	0.0	2.8	97.2	6.8	90.4	23.8	69	21	48		
B-2151	SS 11	39.5-41	CH	0.0	1.2	98.8	11.3	87.5	32.6	96	41	55	2.75	6.9
B-2151	SS 12	44.5-46	CH	0.0	5.9	94.1	13.2	80.9	26.5	79	29	50		
B-2151	SS 13	49.5-51	CL	0.0	26.5	73.5	19.3	54.2	20.0	47	20	27		3.9
B-2151	SS 14	54.5-56	SC	0.0	54.8	45.2	18.1	27.1	18.9	30	15	15		
B-2151	SS 15	59.5-61	SC	0.2	56.6	43.2	14.7	28.5	22.8	29	17	12	2.66	1.8
B-2151	SS 16	64.5-66	SC[1]	12.3	49.6	38.1			17.9				2.68	
B-2151	SS 17	69.5-71.1	CH	0.0	5.0	95.0	17.7	77.3	28.4	77	26	51	2.65	6.1
B-2151	SS 18	74.5-76	CL	0.0	10.7	89.3	37.6	51.7	14.8	37	15	22		
B-2151	SS 19	79.5-81	SC[1]	0.0	56.2	43.8			20.4				2.73	
B-2151	SS 20	84.5-86	SC[1]	0.0	79.7	20.3								
B-2151	SS 21	89.5-91	CL	0.0	35.9	64.1	22.4	41.7	18.4	34	14	20	2.70	5.2
B-2151	SS 22	94.5-96	CL[1]	0.0	44.0	56.0	13.3	42.7						
B-2151	SS 23	99.5-101	SC[1]	0.0	70.5	29.5							2.67	
B-2151	SS 24	109.5-111	CH	0.0	4.7	95.3	20.6	74.7	34.6	82	28	54		
B-2151	SS 25	119.5-121	CH	0.0	17.7	82.3	24.6	57.7	23.2	60	17	43	2.76	4.8
B-2151	SS 26	129.5-131	CL	0.0	26.1	73.9	37.7	36.2	22.7	45	16	29		
B-2151	SS 27	139.6-141.1	SP-SC[1]	0.0	88.3	11.7							2.75	
B-2151	SS 28	149.6-151.1	SC	1.9	70.0	28.1	10.3	17.8	22.4	19	10	9	2.68	1.7
B-2151	SS 30	169.6-171.1	SP-SM[1]							14	10	4		
B-2151	SS 31	179.6-181.1	SP[1]							NV	NP	NP	2.66	
B-2160	SS 1	0-1.5	CH	0.0	36.9	63.1	21.9	41.2	13.0	50	15	35		2.9
B-2160	SS 2	3.5-5	CH	0.0	28.0	72.0	15.6	56.4	22.8	53	15	38	2.68	3.9
B-2160	SS 3	6-7.5	CL	0.0	22.3	77.7	40.6	37.1	19.8	36	14	22		
B-2160	SS 4	8.5-10	CL	0.0	23.4	76.6	24.7	51.9	15.1	43	12	31		2.9
B-2160	SS 5	11-12.5	CL	0.0	32.0	68.0	23.3	44.7	13.3	40	13	27		
B-2160	SS 6	13.5-15	CL	0.0	30.2	69.8	20.2	49.6	16.4	49	15	34	2.73	3.9
B-2160	SS 7	18.5-20	CH	0.0	9.8	90.2	14.2	76.0	25.9	84	23	61		
B-2160	SS 8	23.5-25	CH	0.0	2.6	97.4	11.6	85.8	26.1	81	22	59		5.9
B-2160	SS 9	28.5-30	CH	0.0	1.1	98.9	16.9	82.0	23.6	74	21	53		
B-2160	SS 10	32.5-35	CH	0.0	0.7	99.3	18.0	81.3	24.1	73	21	52	2.69	5.1
B-2160	SS 11	38.5-40	CH	0.0	5.2	94.8	16.5	78.3	28.3	87	26	61		
B-2160	SS 12	43.5-45	CH	0	8.8	91.2	15.8	75.4	25.8	75	18	57		5.6
B-2160	SS 13	48.5-50	CH	0.1	23.0	76.9	24.1	52.8	18.5	51	15	36		
B-2160	SS 14	53.5-55	CH	0.0	28.4	71.6	21.4	50.2	16.9	51	16	35	2.72	5.0
B-2160	SS 15	58.5-60	CH	0.0	22.1	77.9	21.2	56.7	16.0	55	15	40		
B-2160	SS 16	63.5-65	CH	0.0	29.6	70.4	19.7	50.7	22.7	62	17	45		3.5
B-2160	SS 17	68.5-70	SM	0.0	86.7	13.3	4.2	9.1	21.5	NV	NP	NP	2.66	
B-2160	SS 18	73.5-75	CH	0.0	40.4	59.6	16.7	42.9	21.3	51	14	37	2.73	
B-2160	SS 19	78.5-80	SC	0.0	70.2	29.8	7.6	22.2	20.9	30	19	11	2.66	
B-2160	SS 20	83.5-85	CL	3.0	27.6	69.4	26.7	42.7	15.5	49	14	35	2.67	
B-2160	SS 21	88.5-90	CL	0.0	22.5	77.5	29.3	48.2	15.8	38	13	25		

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.1
SUMMARY OF SOIL INDEX TEST RESULTS FOR SPLIT SPOON SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2160	SS 22	93.5-95	SP-SC[1]	0.0	89.0	11.0	4.3	6.7	19.4				2.65	
B-2160	SS 23	98.5-100	SC	0.0	58.2	41.8	14.7	27.1	15.2	21	13	8		
B-2160	SS 24	108.5-110	CH	0.0	7.5	92.5	16.3	76.2	32.4	91	25	66	2.73	3.9
B-2160	SS 25	118.5-120	CH	0.0	31.8	68.2	19.8	48.4	19.6	52	14	38		
B-2160	SS 26	128.5-130	SP-SC[1]	0.0	90.7	9.3	0.7	8.6	18.3				2.66	
B-2160	SS 28	148.5-150	CL	0.0	47.2	52.8	20.5	32.3	16.5	39	13	26	2.68	2.9
B-2160	SS 29	158.5-160	CH	0.0	5.4	94.6	17.4	77.2	29.0	66	17	49		
B-2160	SS 30	168.5-170	SP-SC[1]	0.8	91.9	7.3			15.3				2.66	
B-2160	SS 31	178.5-180	SP-SC[1]	1.2	89.1	9.7			19.1					
B-2160	SS 33	193.5-195	SM	0.4	83.4	16.2	7.8	8.4	19.1	NV	NP	NP	2.67	
B-2160	SS 34	198.5-200	SC[1]	0.0	81.0	19.0			21.2				2.66	
B-2169	SS 33	198.5-200.5	SC[1]	0	82.8	17.2								
B-2169	SS 35	213.5-215	CH	0	22.1	77.9	22.9	55.0	24.3	54	26	28		1.6
B-2169	SS 36	218.5-220	CH	0	24.9	75.1	22.4	52.7	26.7	52	16	36	2.69	
B-2169	SS 37	228.5-230	CH	0	19.8	80.2	17.2	63.0	20.9	57	24	33		
B-2169	SS 38	238.5-240	CL	0	16.3	83.7	52.7	31.0	13.5	46	17	29		
B-2169	SS 39	248.5-250	CL	0	6.2	93.8	59.6	34.2	16.5	49	23	26		1.5
B-2169	SS 40	258.5-260	SP-SC[1]	0	90.5	9.5								
B-2169	SS 41	268.5-270	SC	0	65.7	34.3	27.3	7.0	18.4	43	13	30	2.70	
B-2169	SS 42	278.5-280	SC[1]	0	60.6	39.4								
B-2169	SS 43	288.5-290	CH	0	14.6	85.4	41.4	44.0	22.1	56	24	32		2.7
B-2169	SS 44	298.5-300	CH	0	9.1	90.9	39.9	51.0	24.5	63	25	38		
B-2169	SS 45	308.5-310	CL[1]						21.6	41	18	23		
B-2169	SS 47	328.5-330	SM[1]	0	77.5	22.5								
B-2169	SS 48	338.5-340	CH	0	10.1	89.9	37.2	52.7	27.2	67	26	41		
B-2169	SS 49	348.5-350	CH	0	3.2	96.8	61.0	35.8	21.5	52	18	34		
B-2169	SS 50	358.5-360	SC[1]	0	73.6	26.4								
B-2169	SS 51	368.5-370	CH	0	15.4	84.6	44.0	40.6	23.0	60	25	35		2.3
B-2169	SS 52	378.5-380.5	CH	0	5.8	94.2	31.1	63.1	36.1	92	30	62		
B-2169	SS 53	388.5-390	CH	0	9.8	90.2	21.4	68.8	30.5	70	30	40		
B-2169	SS 54	398.5-400	CH	0	13.6	86.4	26.1	60.3	32.9	63	24	39		
B-2170	SS 31	158.5-160	CL	0.0	6.9	93.1	41.4	51.7	15.1	44	15	29		
B-2170	SS 32	168.5-170	SP-SC[1]	0.6	89.3	10.1								
B-2170	SS 33	178.5-180	SC[1]	0.0	87.0	13.0								
B-2170	SS 36A	198.5-199.6	CL	0.0	45.1	54.9	23.2	31.7	17.1	26	11	15		
B-2170	SS 36B	199.6-200	CL	0.0	26.0	74.0	25.2	48.8	20.8	45	16	29		
B-2170	SS 37	218.5-220	CH	0.0	23.8	76.2	25.1	51.1	25.6	57	17	40		
B-2170	SS 38	238.5-240	CL	0.0	16.5	83.5	36.6	46.9	15.8	43	20	23		
B-2170	SS 39	258.5-260	SP-SM[1]	0.0	90.3	9.7								
B-2170R	SS 1	0-1.5	CL	0.0	31.1	68.9	19.5	49.4	18.0	44	19	25		
B-2170R	SS 2	3.5-5	CH	0.0	13.4	86.6	16.2	70.4	23.0	64	21	43	2.70	5.5
B-2170R	SS 3	6-7.5	CH	0.0	24.4	75.6	19.4	56.2	18.9	51	18	33		5.3
B-2170R	SS 4	8.5-10	CL	0.0	24.9	75.1	22.0	53.1	12.4	46	16	30		
B-2170R	SS 5	11-12.5	CL	0.0	29.1	70.9	23.5	47.4	12.7	42	16	26		5.1
B-2170R	SS 6	13.5-15	CH	0.2	23.0	76.8	16.6	60.2	15.3	52	15	37		
B-2170R	SS 7	18.5-20	CH	0.0	19.7	80.3	20.0	60.3	15.1	60	20	40	2.67	4.9
B-2170R	SS 8	23.5-25	CH	0.0	2.6	97.4	11.6	85.8	28.3	82	30	52		
B-2170R	SS 9	28.5-30.0	CH	0.0	2.0	98.0	12.6	85.4	25.4	85	28	57		5.0
B-2170R	SS 10	33.5-35	CH	0.0	2.0	98.0	14.5	83.5	26.7	88	29	59		

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TABLE 4.1
SUMMARY OF SOIL INDEX TEST RESULTS FOR SPLIT SPOON SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2170R	SS 11	38.5-40	CH	0.0	15.5	84.5	24.5	60.0	21.7	56	22	34	2.69	4.7
B-2170R	SS 12	43.5-45	SC	0.0	51.9	48.1	22.1	26.0	14.3	25	15	10		
B-2170R	SS 13	48.5-50	CL	0.0	32.0	68.0	32.5	35.5	15.3	28	13	15	2.67	
B-2170R	SS 14	53.5-55	CL-ML	0.0	48.4	51.6	24.3	27.3	19.6	24	17	7		
B-2170R	SS 15	58.5-60	CH	0.0	25.3	74.7	19.2	55.5	22.3	63	25	38	2.70	4.1
B-2170R	SS 16	63.5-65	CH	0.0	7.3	92.7	19.1	73.6	27.1	77	27	50		
B-2170R	SS 17	68.5-70	CL	0.0	10.2	89.8	41.4	48.4	19.8	44	15	29		
B-2170R	SS 18	73.5-75	CL	0.0	42.4	57.6	19.0	38.6	19.0	42	16	26		4.1
B-2170R	SS 19	78.5-80	SC-SM	0.0	62.0	38.0	15.3	22.7	20.7	28	21	7	2.66	
B-2170R	SS 20	83.5-85	CL	0.0	48.1	51.9	16.4	35.5	13.4	29	11	18		
B-2170R	SS 23	98.5-100	SC[1]	0.0	82.2	17.8			16.5				2.67	
B-2170R	SS 24	103.5-105	SM	0.1	80.6	19.3	10.7	8.6	17.0	NV	NP	NP		
B-2170R	SS 25	113.5-115	CH	0.0	9.6	90.4	16.7	73.7	33.1	79	27	52		
B-2170R	SS 26	123.5-125	CH	0	22.9	77.1	20.9	56.2	26.5	69	25	44	2.692	3.9
B-2170R	SS 27	133.5-135	CH	0.0	8.1	91.9	35.1	56.8	22.9	58	18	40		4.0
B-2170R	SS 28	143.5-145	CH	0.0	4.6	95.4	11.9	83.5	33.0	84	22	62	2.66	
B-2170R	SS 29	153.5-155	SP-SC[1]	0.0	91.9	8.1								
B-2170R	SS 30	163.5-165	SP-SC[1]	0.0	89.9	10.1			19.3				2.65	
B-2170R	SS 31	173.5-175	SC[1]	0.0	83.4	16.6								
B-2170R	SS 32	183.5-185	SC[1]	0.0	82.7	17.3			20.1				2.66	
B-2170R	SS 33	193.5-195	SC[1]	0.0	87.5	12.5								
B-2170R	SS 34	208.5-210	CH	0.0	23.1	76.9	40.1	36.8	22.5	53	16	37	2.72	3.7
B-2170R	SS 35	228.5-230	CH	0.0	21.7	78.3	30.9	47.4	20.5	53	21	32		
B-2170R	SS 36	248.5-250	CL	0.0	20.0	80.0	55.0	25.0	14.5	37	20	17	2.69	3.5
B-2170R	SS 37	268.5-270	CL	0.0	45.2	54.8	33.7	21.1	21.1	38	15	23		
B-2170R	SS 38	288.5-290	CH	0.0	12.0	88.0	28.1	59.9	23.1	64	13	51		
B-2170R	SS 39	298.5-300	CH	0.0	9.3	90.7	28.6	62.1	25.2	64	20	44	2.72	
B-2174A	SS-44	418.8-420.3	CL	0.0	13.2	86.8	23.7	63.1	14.7	41	24	17		
B-2174A	SS-45	438.8-440.3	CH	0.0	3.4	96.6	11.9	84.7	29.9	73	27	46		
B-2174A	SS-46	458.8-460.3	CH	0.0	4.2	95.8	13.7	82.1	27.8	90	36	54		
B-2174A	SS-47	478.8-480.3	ML	0.0	22.5	77.5	20.4	57.1	20.6	39	26	13		
B-2174A	SS-49A	518.7-519.7	CH	0.0	23.9	76.1	24.2	51.9	26.1	52	26	26		
B-2174A	SS-51	543.7-545.2	CH	0.0	3.5	96.5	23.0	73.5	22.7	69	25	44		
B-2174A	SS-52	558.6-560.1	SM	0.0	80.6	19.4								
B-2174A	SS 53	578.7-580.2	CL	0.0	33.7	66.3	25.1	41.2	17.5	42	12	30	2.71	
B-2182A	SS 1	0-1.5	CH	0	27.4	72.6	23.2	49.4	18.2	50	17	33		2.4
B-2182A	SS 2	3.0-4.5	CH	1.0	18.8	80.2	22.1	58.1	17.3	61	19	42		
B-2182A	SS 3	6-7.5	CH	0	20.0	80.0	22.8	57.2	17.1	54	16	38	2.68	1.5
B-2182A	SS 4	8.5-10	CH	0	19.6	80.4	22.0	58.4	15.1	50	15	35		
B-2182A	SS 5	11-12.5	CL	0	30.4	69.6	26.0	43.6	14.2	45	13	32		
B-2182A	SS 6	13.5-15	CL	0	37.8	62.2	21.3	40.9	18.2	38	12	26		
B-2182A	SS 7	18.5-20	CH	0	13.7	86.3	14.1	72.2	25.0	72	22	50	2.74	1.7
B-2182A	SS 8	23.5-25	CH	0	18.9	81.1	24.6	56.5	19.3	56	16	40		
B-2182A	SS 9	28.5-30	CH	0	3.5	96.5	14.5	82.0	28.5	77	26	51		1.9
B-2182A	SS 10	33.5-35	CH	0	1.9	98.1	19.1	79.0	26.1	74	23	51	2.71	
B-2182A	SS 11	39.5-40	CL	0	40.4	59.6	26.0	33.6	17.0	42	15	27		
B-2182A	SS 12	43.5-45	CL	0	40.3	59.7	25.5	34.2	15.8	24	16	8		
B-2182A	SS 13	48.5-50	SM	0	73.9	26.1	15.1	11.0		16	15	1		
B-2182A	SS 14	53.5-55	SC	0	59.9	40.1	22.0	18.1		24	16	8		
B-2182A	SS 15	58.5-60	CL	0	37.7	62.3	17.6	44.7	19.2	33	13	20		

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EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2182A	SS 16	63.5-65	CH	0	17.5	82.5	13.8	68.7	25.7	52	17	35	2.75	1.6
B-2182A	SS 17A	68.5-69.5	CL	0	29.3	70.7	13.1	57.6	24.1	33	15	18		
B-2182A	SS 17B	69.5-70	SC[1]	0	79.7	20.3								
B-2182A	SS 18	73.5-75	CH	0	2.1	97.9	7.5	90.4	26.1	95	26	69		
B-2182A	SS 19	78.5-80	CL	0	40.1	59.9	20.2	39.7	14.1	39	13	26		
B-2182A	SS 20	83.5-85	SC	0.3	75.1	24.6	13.9	10.7	17.3	26	16	10		
B-2182A	SS 21	88.5-90	CH	0	17.6	82.4	13.4	69.0	29.7	75	23	52	2.66	2.0
B-2182A	SS 22	93.5-95	CL	0	25.9	74.1	27.2	46.9	14.3	26	14	12		
B-2182A	SS 23	98.5-100	SM	2.0	82.7	15.3	8.8	6.5		NV	NP	NP		
B-2182A	SS 24	108.2-109.7	CH	0	5.4	94.6	9.8	84.8	27.6	77	25	52		
B-2182A	SS 25	118.3-119.8	CL	1.8	41.1	57.1	16.6	40.5	16.9	39	13	26		
B-2182A	SS 26A	128.3-129.0	SC[1]	0	75.3	24.7							2.66	
B-2182A	SS 26B	129.0-129.8	CL	0	23.7	76.3	47.6	28.7	13.0	29	15	14		
B-2182A	SS 27	138.3-139.8	CL	0	11.4	88.6	45.3	43.3	16.2	31	13	18		
B-2182A	SS 28A	148.3-148.8	SC	0	51.2	48.8	12.5	36.3	20.6	32	12	20		
B-2182A	SS 28B	148.8-149.8	SP-SM[1]	0	91.6	8.4								
B-2182A	SS 29	158.3-159.8	SP-SM[1]	0	89.4	10.6	1.1	9.5					2.67	0.2
B-2182A	SS 30	168.3-169.8	SC[1]	1.0	69.1	29.9	10.6	19.3						
B-2182A	SS 31	178.3-179.8	SM[1]	5.1	82.2	12.7								
B-2182A	SS 32	188.3-189.8	SM[1]	2.5	84.7	12.8								
B-2182A	SS 33	198.3-199.8	SC	0.4	63.5	36.1	16.4	19.7		21	12	9		
B-2182A	SS 34	218.3-219.8	CL	0	28.3	71.7	20.6	51.1	22.0	48	16	32		
B-2182A	SS 35	238.3-239.8	SC-SM	0	66.5	33.5	13.2	20.3	14.1	18	11	7		
B-2182A	SS 36	258.3-259.8	SM[1]	0	85.3	14.7	10.5	4.2					2.65	1.5
B-2182A	SS 37	278.3-279.8	SC[1]	0	85.8	14.2	5.7	8.5						
B-2182A	SS 38	298.3-299.8	CH	0	13.0	87.0	14.7	72.3	27.4	67	24	43		
B-2182A	SS 39	315.4-316.9	CH	0	19.1	80.9	17.0	63.9	26.4	71	22	49		
B-2182A	SS 40	338.4-339.9	CH	0	11.8	88.2	20.9	67.3	21.7	60	19	41	2.72	
B-2182A	SS 41	358.4-359.9	SC[1]	0	70.1	29.9	13.2	16.7						
B-2182A	SS 42	378.9-380.4	CH	0	4.3	95.7	17.9	77.8	33.5	77	32	45		2.3
B-2182A	SS 43	398.3-399.8	CH	0	7.4	92.6	15.4	77.2	29.5	70	25	45		
B-2251	SS 1	0-1.5	CL	0.0	34.0	66.0	18.9	47.1	19.8	47	13	34	2.70	5.4
B-2251	SS 2	3.5-5	CL	0.0	30.3	69.7	20.1	49.6	17.5	41	13	28		
B-2251	SS 3	6-7.5	CL	0.0	17.3	82.7	29.8	52.9	16.4	37	17	20		3.3
B-2251	SS 4	8.5-10	SC-SM	0.0	56.9	43.1	21.1	22.0	15.4	26	20	6		
B-2251	SS 5	11-12.5	CL	0.0	16.1	83.9	42.4	41.5	20.6	36	17	19		3.4
B-2251	SS 6	13.5-15	CL	0.0	4.3	95.7	41.9	53.8	22.8	44	16	28		
B-2251	SS 7	18.5-20	CH	0.0	2.7	97.3	25.8	71.5	30.7	84	28	56	2.75	7.8
B-2251	SS 8	23.5-25	CH	0.0	15.9	84.1	13.9	70.2	21.9	58	19	39		
B-2251	SS 9	28.5-30.0	CL	0.0	29.2	70.8	27.6	43.2	19.3	40	14	26		4.4
B-2251	SS 10	33.5-35	SC	0.0	55.6	44.4	12.6	31.8	19.1	30	15	15		
B-2251	SS 11	38.5-40	SC	0.0	53.3	46.7	12.4	34.3	17.7	36	17	19	2.67	3.7
B-2251	SS 12	43.5-45	SC[1]	1.3	60.7	38.0								
B-2251	SS 13	48.5-50	SC[1]	0.0	60.5	39.5								
B-2251	SS 14	53.5-55	SC[1]	0.0	51.1	48.9								
B-2251	SS 15	58.5-60	CL	0.0	38.2	61.8	24.5	37.3		36	14	22	2.69	
B-2251	SS 16	63.5-65	CH	0.0	11.4	88.6	14.6	74.0	32.3	73	29	44		
B-2251	SS 17	68.5-70	CH	0.0	7.8	92.2	13.0	79.2	33.2	74	30	44		3.1
B-2251	SS 18	73.5-75	CL	0.0	33.9	66.1	13.5	52.6	15.4	40	13	27		
B-2251	SS 19	78.5-80	CL	0.0	40.3	59.7	19.3	40.4	18.3	34	15	19	2.66	4.6

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MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2251	SS 20	83.5-85	SC[1]	0.0	74.1	25.9								
B-2251	SS 21	88.5-90	SC[1]	0.0	81.5	18.5							2.65	
B-2251	SS 22	93.5-95	SC[1]	0.2	75.3	24.5								
B-2251	SS 23	98.5-100	CL	0.0	19.2	80.8	11.1	69.7	13.6	33	14	19	2.65	2.2
B-2251	SS 24	108.5-110	SC[1]	0.8	74.1	25.1							2.69	
B-2251	SS 25	118.5-120	CH	0.0	8.1	91.9	12.5	79.4	33.3	69	23	46	2.71	2.9
B-2251	SS 27	138.5-140	SC[1]	0.0	85.2	14.8							2.65	
B-2251	SS 28	148.5-150	CL	0.0	33.0	67.0	33.6	33.4	21.9	36	15	21	2.70	3.3
B-2251	SS 29	158.5-160	SP-SM[1]	0.0	91.1	8.9							2.65	
B-2251	SS 30	168.5-170	SP-SM[1]	2.7	87.6	9.7								
B-2251	SS 31	178.5-180	SP-SM[1]	0.4	89.8	9.8							2.67	
B-2251	SS 32	188.5-190	SC[1]	0.0	76.7	23.3								
B-2251	SS 34	208.5-210	SM[1]	1.5	86.1	12.4							2.65	
B-2265	SS 1	0-1.5	CL	0.0	10.4	89.6	57.3	32.3	17.0	35	13	22		5.1
B-2265	SS 2	3.5-5	CL	0.3	35.8	63.9	22.0	41.9	16.8	43	13	30	2.67	3.2
B-2265	SS 3	6-7.5	CL	0.0	15.4	84.6	33.4	51.2	16.5	46	13	33		
B-2265	SS 4	8.5-10	CL	0.0	6.0	94.0	36.7	57.3	18.4	48	15	33		2.7
B-2265	SS 5	11-12.5	CL	0.0	6.8	93.2	51.9	41.3	22.6	40	14	26		
B-2265	SS 6	13.5-15	CH	0.0	5.8	94.2	27.4	66.8	21.9	64	16	48	2.68	3.0
B-2265	SS 7	18.5-20	CH	0.0	6.7	93.3	18.7	74.6	29.8	80	22	58		
B-2265	SS 8	23.5-25	CL	0.0	29.1	70.9	25.1	45.8	15.9	34	13	21		
B-2265	SS 9	28.5-30.0	CL	0.0	49.5	50.5	25.9	24.6	14.1	28	12	16		
B-2265	SS 10	33.5-35	CL	0.0	42.5	57.5	20.4	37.1	16.7	43	14	29	2.67	5.5
B-2265	SS 11	38.5-40	CH	0.0	13.9	86.1	11.8	74.3	24.6	74	23	51		
B-2265	SS 12	43.5-45	SC	0.1	63.2	36.7	18.9	17.8	16.5	24	15	9	2.66	1.3
B-2265	SS 13	48.5-50	SC	0.0	61.2	38.8	21.5	17.3	21.1	25	16	9		
B-2265	SS 14	53.5-55	SC	1.1	58.1	40.8	18.2	22.6	17.9	27	16	11	2.66	1.7
B-2265	SS 15	58.5-60	SC	0.0	65.9	34.1	15.8	18.3	19.9	24	13	11		
B-2265	SS 16	63.5-65	CH	18.2	17.4	64.4	9.7	54.7	31.2	87	22	65		
B-2265	SS 17	68.5-70	CH	0.0	6.9	93.1	9.4	83.7	31.1	96	39	57		
B-2265	SS 18	73.5-75	CL	0.0	35.6	64.4	26.4	38.0	18.5	35	11	24	2.70	1.6
B-2265	SS 19	78.5-80	CL	0.3	42.5	57.2	20.3	36.9	18.4	44	15	29		
B-2265	SS 20	83.5-85	SC[1]	0.0	85.6	14.4							2.66	
B-2265	SS 21	88.5-90	CH	0.0	26.9	73.1	18.6	54.5	21.4	56	15	41	2.68	1.4
B-2265	SS 22	93.5-95	SP-SC[1]	0.0	88.4	11.6			16.7				2.66	
B-2265	SS 23A	98.5-98.9	SP	0.3	97.7	2.0								
B-2265	SS 23B	98.9-100	CL	1.1	46.7	52.2	24.0	28.2	13.3	24	12	12	2.66	
B-2265	SS 24	108.5-110	SC-SM	0.6	65.0	34.4	27.3	7.1	16.0	20	15	5	2.65	
B-2265	SS 25	118.5-120	CH	0.0	9.5	90.5	16.2	74.3	34.0	98	26	72		
B-2265	SS 26	128.5-130	CL	0.0	5.8	94.2	58.2	36.0	17.8	32	14	18	2.66	0.9
B-2265	SS 27	138.5-140	SC[1]	0.0	61.5	38.5			22.8				2.66	
B-2265	SS 29	152.5-154	SM	0.0	76.6	23.4	9.0	14.4	19.9	NV	NP	NP	2.65	
B-2269	SS 1	0-1.5	CL	0	31.3	68.7	26.6	42.1	16.8	42	15	27		3.8
B-2269	SS 2	3.5-5.0	CH	0	27.3	72.7	27.1	45.6	20.4	50	15	35		
B-2269	SS 3	6-7.5	CH	0	25.5	74.5	29.2	45.3	22.0	51	16	35		4.3
B-2269	SS 4	8.5-10	CL	0	12.0	88.0	43.3	44.7	17.0	40	14	26		
B-2269	SS 5	11-12.5	CL	0	6.4	93.6	48.6	45.0	18.0	40	15	25		3.1
B-2269	SS 6	13.5-15	CH	0	3.3	96.7	39.4	57.3	21.1	54	19	35		
B-2269	SS 7	20.4-21.9	CH	0	1.5	98.5	13.0	85.5	28.1	77	26	51		6.6
B-2269	SS 8	25.4-26.9	SC	0	66.2	33.8	7.4	26.4	13.4	25	17	8	2.70	
B-2269	SS 9	30.4-31.9	SC	0	51.3	48.7	24.3	24.4	15.5	30	14	16		4.1
B-2269	SS 10	35.4-36.9	CL	0	46.8	53.2	18.3	34.9	15.0	35	13	22		

Prepared By: ZHU Date: 7/10/08
Checked By: LAW Date: 7.10.08

TABLE 4.1
SUMMARY OF SOIL INDEX TEST RESULTS FOR SPLIT SPOON SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)
B-2269	SS 11	40.4-41.9	CL	0	32.2	67.8	23.0	44.8	22.5	41	16	25		4.5
B-2269	SS 12	45.4-46.9	CH	0	28.2	71.8	21.7	50.1	20.0	53	17	36		
B-2269	SS 13	50.4-51.9	CH	0	25.3	74.7	23.7	51.0	20.3	53	16	37		
B-2269	SS 14	55.4-56.9	CH	0	7.8	92.2	18.8	73.4	32.1	85	25	60	2.74	
B-2269	SS 15	60.4-61.9	CL	0.7	38.8	60.5	34.0	26.5	20.9	35	16	19		
B-2269	SS 16	65.4-66.9	CH	0	6.7	93.3	31.3	62.0	23.3	67	32	35		0.9
B-2269	SS 17	70.4-71.9	CH	0	5.3	94.7	6.7	88.0	36.8	69	29	40		
B-2269	SS 18	75.4-76.9	CL	0	30.3	69.7	32.8	36.9	19.3	33	12	21		
B-2269	SS 19	80.4-81.9	SC	0	53.0	47.0	25.6	21.4	17.4	26	14	12	2.72	
B-2269	SS 20	85.4-86.9	SC[1]	0	84.7	15.3								
B-2269	SS 21	90.4-91.9	CL	0	49.0	51.0	10.6	40.4	28.2	36	16	20		1.1
B-2269	SS 22	95.4-96.9	SC-SM	0	61.7	38.3	18.2	20.1	20.1	20	13	7		
B-2269	SS 23	100.4-101.9	CL-ML	0	41.6	58.4	35.9	22.5	16.5	22	17	5		
B-2269	SS 24	110.4-111.9	SP[1]										2.67	
B-2269	SS 25	120.4-121.9	CH	0	11.6	88.4	21.0	67.4	33.1	62	19	43		
B-2269	SS 26	130.4-131.9	SC-SM	0	55.9	44.1	26.3	17.8	21.6	19	14	5		
B-2269	SS 27	140.4-141.9	SM[1]	0	85.6	14.4								
B-2269	SS 28	150.4-151.9	CH	0	22.3	77.7	32.8	44.9	23.1	55	17	38	2.72	
B-2269	SS 29	161.7-163.2	CL	0	40.7	59.3	24.6	34.7	23.2	41	15	26		4.2
B-2269	SS 30	171.7-173.2	SM[1]	2.2	85.0	12.8								
B-2269	SS 31	181.7-183.2	SM[1]	0	85.4	14.6								
B-2269	SS 33	201.7-203.2	SC-SM	0	72.7	27.3	20.2	7.1	27.6	18	12	6		
B-2269	SS 34	221.7-223.2	SC	0	72.4	27.6	18.5	9.1	21.1	25	14	11	2.66	
B-2269	SS 35	241.8-243	SC	0	51.1	48.9	20.8	28.1	15.9	28	12	16		
B-2269	SS 36	261.8-263.3	SC[1]	0	72.7	27.3								0.8
B-2269	SS 37	281.8-283.3	SC	0	54.7	45.3	34.6	10.7	21.7	29	14	15		
B-2269	SS 38	301.8-303.3	CH	0	14.1	85.9	18.0	67.9	29.1	72	23	49	2.71	
B-2269	SS 39A	321.8-322.6	CH	0	1.5	98.5	25.4	73.1	25.6	73	23	50		
B-2269	SS 39B	322.6-323.3	CL	0	44.6	55.4	28.0	27.4	18.2	31	12	19		
B-2269	SS 40	341.8-343.3	CL	0	28.2	71.8	43.6	28.2	22.3	36	13	23		
B-2269	SS 41	361.8-363.3	CL	0	34.8	65.2	40.7	24.5	26.7	31	15	16		
B-2269	SS 42	381.8-383.3	CH	0	6.0	94.0	14.4	79.6	34.2	95	29	66		6.6
B-2269	SS 43	401.8-403.3	CH	0	9.9	90.1	21.9	68.2	26.5	63	22	41	2.72	
B-2274A	SS-45	408.4-409.9	CL	0	19.1	80.9	21.4	59.5	14.4	48	18	30		
B-2274A	SS-46	428.3-429.8	CH	0.0	1.7	98.3	11.5	86.8	28.7	74	29			
B-2274A	SS-47	448.3-449.8	CH	0.0	2.3	97.7	11.2	86.5	26.7	74	24			
B-2274A	SS-48	468.3-469.8	CH	0	10.4	89.6	15.7	73.9	32.0	63	21			
B-2274A	SS-49	488.3-489.8	CH	0.0	12.0	88.0	16.2	71.8	35.3	62	19			
B-2274A	SS-51	528.1-529.6	SC	0.0	63.8	36.2								
B-2274A	SS-52	548.1-549.0	SM	0.0	71.6	28.4								
B-2274A	SS-53A	568.1-569.3	SC	0.0	71.1	28.9								
B-2274A	SS-54	588.3-589.8	CL	0.0	25.4	74.6	27.2	47.4	13.1	39	13			
B-2274A	SS-55	593.2-594.7	CL	0.0	20.6	79.4	19.4	60.0	12.3	39	13			

1 Classification is based on quantitative and qualitative (visual inspection) information.
Underlined Values: Test not assigned but testing completed
Information not available or test not assigned

LL= Liquid Limit
PL= Plastic Limit
PI = Plasticity Index
G_s = Specific Gravity
NV= No Value
NP= Non-Plastic

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-16-08

TABLE 4.2
SUMMARY OF SOIL INDEX TEST RESULTS FOR TEST PITS
EXELON (Victoria) COL PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Test Pit Number	Sample Number	Sample Depth (ft.)	USCS Symbol	Particle Size Analysis Results					Organic Content (%)	Atterberg Limits			G_s	Moisture/Density Results[2]			CBR Test Results			
				Gravel (%)	Sand (%)	Fines (%)	Silt (%)	Clay (0.005mm) (%)		LL (%)	PL (%)	PI (%)		Natural Moisture (%)	Max. Dry Density (pcf)	Optimum Moisture (%)	Molded Density (pcf)	Molded Moisture (%)	Soaked CBR (0.10")	Soaked CBR (0.20")
TP-2101	J-1	5.0							1.0					15.3						
TP-2101	J-2	8.0												17.5						
TP-2101	J-3	10.0												11.6						
TP-2101	Bulk	8	CH	0.0	16.3	83.7	25.2	58.5		54	17	37	2.73	*17.5*[1]	117.5	13.5	104.0	13.4	1.3	1.0
																	109.0	13.9	1.7	1.6
																	116.0	13.2	3.1	2.6
TP-2102	J-1	1.0							1.3					23.2						
TP-2102	J-2	3.0							1.6					20.3						
TP-2102	J-3	5.5							0.3					17.2						
TP-2102	J-4	8.0												15.7						
TP-2102	J-5	10.0												16.2						
TP-2102	Bulk	8	CH	0.0	15.3	84.7	25.2	59.5		50	16	34	2.70	*15.7*[1]	119.5	14.5	104.0	14.1	2.0	1.6
																	111.0	14.1	2.3	1.9
																	118.5	14.1	2.9	2.2
TP-2103	J-1	1.0							3.3					21.9						
TP-2103	J-2	3.0							3.7					23.5						
TP-2103	J-3	5.0							1.5					17.3						
TP-2103	J-4	8.0												26.9						
TP-2103	J-5	10.0												11.9						
TP-2103	Bulk	8	CL	0.2	21.2	78.6	26.1	52.5		49	15	34	2.69	*26.9*[1]	121.5	12.0	105.0	11.5	0.6	0.6
																	111.5	11.5	0.6	0.6
																	121.5	11.5	1.6	1.3
TP-2104	J-1	1.0							2.8					17.5						
TP-2104	J-2	3.0							1.0					12.7						
TP-2104	J-3	5.0							1.2					11.8						
TP-2104	J-4	8.0												11.1						
TP-2104	Bulk	8	CL	0.0	24.3	75.7	26.2	49.5		38	13	25	2.68	*11.1*[1]	125.0	11.0	111.5	10.5	1.6	1.4
																	118.0	10.7	3.2	2.7
																	123.0	10.6	3.3	2.9

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7·10·08

TABLE 4.2
SUMMARY OF SOIL INDEX TEST RESULTS FOR TEST PITS
EXELON (Victoria) COL PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Test Pit Number	Sample Number	Sample Depth (ft.)	USCS Symbol	Particle Size Analysis Results					Organic Content (%)	Atterberg Limits			G_s	Moisture/Density Results(2)			CBR Test Results			
				Gravel (%)	Sand (%)	Fines (%)	Silt (%)	Clay (0.005mm) (%)		LL (%)	PL (%)	PI (%)		Natural Moisture (%)	Max. Dry Density (pcf)	Optimum Moisture (%)	Molded Density (pcf)	Molded Moisture (%)	Soaked CBR (0.10")	Soaked CBR (0.20")
TP-2201	J-1	2.0							2.0					14.3						
TP-2201	B1-J	5.0							1.6					18.1						
TP-2201	Bulk	5-10	CL	0.0	29.4	70.6	23.6	47.0		47	15	32	2.68	*18.1*(1)	121.0	12.5	103.0	12.9	1.7	1.4
																	112.0	12.3	2.7	2.5
																	120.1	12.0	4.1	3.9
TP-2202	J-1	5.0							1.9					18.1						
TP-2202	B1-J	5-10							2.2					19.6						
TP-2202	J-2	10.0												14.4						
TP-2202	Bulk	8	CH	0.0	22.0	78.0	22.3	55.7		50	17	33	2.69	*19.6*(1)	122.0	12.5	107.6	12.6	1.6	1.3
																	115.0	12.9	2.2	1.8
																	121.1	12.8	3.5	2.8
TP-2203	J-1	1.0							2.3					12.3						
TP-2203	J-2	3.0							2.7					17.9						
TP-2203	J-3	5.0							3.3					18.0						
TP-2203	J-4	8.0												17.7						
TP-2203	J-5	10.0												14.1						
TP-2203	Bulk	8	CL	0.0	16.6	83.4	30.0	53.4		48	15	33	2.73	*17.7*(1)	120.5	12.5	108.0	13.1	1.2	1.0
																	111.0	12.9	1.4	1.2
																	119.0	12.9	2.6	2.2
TP-2204	J-1	1.0							3.3					18.0						
TP-2204	B1-J	5-10							2.0					17.2						
TP-2204	J-2	10												14.6						
TP-2204	Bulk	5-10	CL	0.0	15.6	84.4	35.2	49.2		43	14	29	2.71	*17.2*(1)	125.0	11.5	105.5	11.2	1.1	0.9
																	115.0	11.4	1.8	1.5
																	122.2	11.5	2.9	2.4

(1) Natural Moisture of bulk samples (in italics) have been selected from jar sample that are at (or within) the depth range.
(2) Moisture/density testing performed in accordance with ASTM D 1557-02 (Modified Proctor).
Information not available or test not assigned

LL= Liquid Limit
PL= Plastic Limit
PI = Plasticity Index
G_s = Specific Gravity

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.3
SUMMARY OF SOIL INDEX TEST RESULTS FOR UNDISTURBED SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)	Dry Unit Weight[2] (pcf)	Moisture Content (%)
B-2174UD	UD-1	10-11.7	CL	0.0	33.2	66.8	24.8	42.0	19.5	37	13	24	2.67			
B-2174UD	UD-2	30-31.7	CH	0.0	1.6	98.4	20.3	78.1	24	68	25	43	2.75		99.8	24.6
															102.4	22.9
															99.2	24.5
B-2174UD	UD-3	75-76.7	CL	0.3	40.6	59.1	25.1	34.0	15.8	38	18	20	2.76			
B-2174UD	UD-4	90-90.9	CL	0.8	36.2	63.0	28.3	34.7	15.6	39	18	21	2.73			
B-2174UD	UD 6	95-96.4	SP-SC[1]	0.0	93.2	6.8			10.8				2.68			
B-2174UD	UD-8	145-147	SM	0.0	85.0	15.0			17.5				2.68			
B-2174UD	UD-10	183-185	SM	0.3	81.2	18.5			15.7				2.72			
B-2174UD	UD-15	265-267	SC	0.0	53.8	46.2			19.3				2.65			
B-2174UDR	UD-26	445-446	CH	0.0	1.2	98.8	13.1	85.7	27.6	65	25	40	2.78			
B-2174UDR	UD-27	490-492.5	CH	0.0	7.1	92.9	34.9	58.0	20.2	60	17	43	2.73			
B-2174UDR	UD 28	525-527.5	SM	0.0	78.5	21.5	3.9	17.6	18.0	18	16	2	2.68			
B-2174UDR	UD 30	570-572.5	CH	0.0	31.7	68.3	6.9	61.4	19.6	59	19	40	2.74			
B-2174UDR	UD 31	590.5-593	SM	12.6	69.6	17.8	10.6	7.2	14.2	17	15	2	2.65			
B-2182UD	UD-1	10-11.7	CL	0.0	33.7	66.3	24.2	42.1	14.0	37	14	23	2.76			
B-2182UD	UD-3	16-17.7	CH	0.0	17.6	82.4	14.4	68.0	19.3	58	18	40	2.70			
B-2182UD	UD-5	33-34.7	CH	1.7	9.7	88.6	14.9	73.7	29.6	68	26	42	2.77			
B-2182UD	UD-6	37-38.5	CL	1.6	37.6	60.8	27.4	33.4	16.1	33	16	17	2.75			
B-2182UD	UD-7	65-66.7	SC	0.0	55.1	44.9	7.7	37.2	25.0	27	17	10	2.74			
B-2182UD	UD-9	85-86.7	CH	0.0	13.4	86.6	15.1	71.5	31.7	80	24	56	2.70			
B-2182UD	UD-11	90.5-93.0	CL	3.7	36.0	60.3	24.9	35.4	12.3	25	13	12	2.77			
B-2182UD	UD-12T	95-97.5	CL	0.0	15.2	84.8	46.2	38.6	15.4	36	18	18	2.73			
B-2182UD	UD-12B	95-97.5	SP-SM	3.3	86.7	10.0			17.7				2.72			
B-2182UD	UD-13	120-121.7	SC	0.0	58.1	41.9	10.3	31.6	18.7	38	17	21	2.71			
B-2182UD	UD-14	123-124.7	SC[1]	0.0	86.6	13.4							2.66			
B-2182UD	UD-15	145-147.5	ML	0.0	11.6	88.4	55.2	33.2	25.3	NV	NP	NP	2.70			
B-2182UD	UD-16	180-182.5	SM	2.5	80.4	17.1			15.1				2.68			
B-2182UD	UD-17	215-217.5	CL	0.6	42.9	56.5	16.8	39.7	22.8	43	17	26	2.72			
B-2182UD	UD-18	218-220.5	CH	0.0	3.7	96.3	7.4	88.9	31.1	97	30	67	2.70			
B-2182UD	UD-19	240-240.5	SM	0.0	83.2	16.8	5.9	10.9	17.7	NV	NP	NP	2.74			
B-2182UD	UD-20	242-244.5	SC-SM	1.0	73.9	25.1	8.3	16.8	27.1	18	12	6	2.68			
B-2182UD	UD-22	270-272.5	CH	1.4	25.0	73.6	20.5	53.1	30.3	60	22	38	2.73			
B-2182UD	UD-24	300-301.3	CH	0.0	7.0	93.0	18.3	74.7	22.7	69	20	49	2.72			
B-2182UD	UD-25	303-304.2	CH	0.0	8.2	91.8	16.8	75.0	25.1	52	26	26	2.79			
B-2182UD	UD-26	320-321.5	CL	0.0	22.2	77.8	38.8	39.0	15.5	35	16	19	2.73			
B-2182UD	UD-28	330-332	CH	0.0	1.7	98.3	19.8	78.5	28.0	69	29	40	2.74			
B-2182UD	UD-29	333-334.7	CH	0.0	6.0	94.0	19.4	74.6	24.7	56	26	30	2.72			
B-2182UD	UD-30	340-341.1	CL	0.0	14.3	85.7	33.0	52.7	15.3	43	17	26	2.73			
B-2182UD	UD-31	343-344	CL	1.9	8.7	89.4	47.0	42.4	15.8	47	18	29	2.74			
B-2182UD	UD-32	350-352.7	SP-SC[1]	0.0	91.1	8.9							2.66			
B-2182UD	UD-33	380-381.7	CH	0.0	5.3	94.7	12.9	81.8	32.2	68	32	36	2.78			
B-2182UD	UD-37	400-402.5	CL	0.0	16.8	83.2	21.8	61.4	23.6	49	25	24	2.76			
B-2269UD	UD-1	10-12	CL	0.0	5.5	94.5	34.8	59.7	17.8	40	16	24	2.67			
B-2269UD	UD-2	13-15	CH	0.0	0.3	99.7	35.8	63.9	23.0	53	21	32	2.66			
B-2269UD	UD-3	30-32	CL	0.0	35.4	64.6	25.2	39.4	15.8	34	15	19	2.66			
B-2269UD	UD-4	33-34.8	CL	0.7	44.7	54.6	22.7	31.9	15.0	34	17	17	2.74			

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.3
SUMMARY OF SOIL INDEX TEST RESULTS FOR UNDISTURBED SAMPLES
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample Number	Sample Depth (ft)	USCS Symbol	Gravel (%)	Sand (%)	Fines (%)	Silt (%)	0.005 mm Clay (%)	Natural Moisture (%)	LL (%)	PL (%)	PI (%)	G_s	Organic Content (%)	Dry Unit Weight[2] (pcf)	Moisture Content (%)
B-2269UD	UD-5	50-51.7	CH	0.0	11.8	88.2	18.1	70.1	21.5	59	23	36	2.70			
B-2269UD	UD-7	70-71.7	CH	0.0	3.8	96.2	22.3	73.9	28.3	74	30	44	2.72	1.2		
B-2269UD	UD-8	73-74.7	CH	5.0	4.9	90.1	22.7	67.4	22.4	65	25	40	2.67			
B-2269UD	UD-9	120-121.7	MH	0.0	7.2	92.8	12.2	80.6	34.9	83	42	41	2.77		86.5	34.9
B-2269UD	UD-10	123-123.8	CH	0.3	11.8	87.9	28.8	59.1	17.4	69	26	43	2.68			
B-2269UD	UD-11	150-151.7	CH	0.0	12.1	87.9	37.2	50.7	21.8	50	22	28	2.70			
B-2269UD	UD-15	216.2-218.1	SC	0.0	59.9	40.1	21.8	18.3	16.6	26	14	12	2.66			
B-2269UD	UD-16	280-281.2	SC	0.0	78.3	21.7	7.3	14.4	18.6	26	17	9	2.69			
B-2269UD	UD-18	375-376.6	CL	0.0	28.9	71.1	25.3	45.8	22.3	46	14	32	2.78			
B-2269UD	UD-19	380-382.5	CH	0.0	5.2	94.8	12.9	81.9	28.5	88	31	57	2.69			
B-2269UD	UD-20	400-402.1	CH	0.0	8.2	91.8	26.1	65.7	24.1	63	20	43	2.77			
B-2274UD	UD-1	10.2-11.9	CL	0.0	10.1	89.9	46.3	43.6	16.4	33	15	18	2.75			
B-2274UD	UD-3	64.9-66.4	CH	0.5	25.4	74.1	16.2	57.9	ND	73	24	49	2.72			
B-2274UD	UD-4	67.0-68.7	CH	0.0	3.2	96.8	13.6	83.2	32.6	79	33	46	2.76			
B-2274UD	UD-5	89.8-90.8	CL	9.4	15.7	74.9	35.0	39.9	17.7	38	17	21	2.72			
B-2274UD	UD-8	120-122	CH	0.0	5.9	94.1	22.5	71.6	34.4	93	29	64	2.72			
B-2274UD	UD-12	221.1-223.6	SC	25.5	55.3	19.2			10.6				2.66			
B-2274UD	UD-13	240-242.5	CL	0.0	35.1	64.9	32.6	32.3	17.1	32	15	17	2.70		113.2 115.3 113.7	17.0 14.9 14.8
B-2274UD	UD-14	265-267.5	SC[1]	0.0	88.0	12.0							2.65			
B-2274UD	UD-16	300-301.8	CH	0.0	10.6	89.4	18.4	71.0	26.8	58	27	31	2.76			
B-2274UD	UD-17	320-322.5	MH	0.4	12.4	87.2	16.6	70.6	27.7	72	35	37	2.72			
B-2274UD	UD-18	330.1-332.6	SM	8.8	59.7	31.5			14				2.71			
B-2274UD	UD-19	350.1-352.6	SM	0.0	76.1	23.9			20.5				2.69			
B-2274UD	UD-20	380-381.8	MH	0.0	5.9	94.1	14.6	79.5	34.9	70	35	35	2.76			
B-2274UD	UD-21	390-391.8	CH	0.0	5.1	94.9	10.6	84.3	36.7	73	34	39	2.75			
B-2274UD	UD-22	400-401.3	CH	0.0	6.7	93.3	27.9	65.4	26.3	56	25	31	2.72			
B-2274UD	UD-23	420-422.5	CL	0.0	41.7	58.3	31.4	26.9	13.9	36	15	21	2.68			
B-2274UD	UD-24	480-482.5	CH	0.0	3.9	96.1	17.9	78.2	25.7	69	27	42	2.71			
B-2274UD	UD-26	580-582.5	CL	1.5	39.6	58.9	23.3	35.6	17.8	37	15	22	2.70			

1 Classification is based on quantitative and qualitative (visual inspection) information.
2 Refer to Table 4.4 through Table 4.7 for unit weights not shown
Underlined Values: Test not assigned but testing completed
Information not available or test not assigned

LL= Liquid Limit
PL= Plastic Limit
PI = Plasticity Index
G_s = Specific Gravity

NV= No Value
NP= Non-Plastic

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.4
SUMMARY OF UNCONSOLIDATED UNDRAINED TRIAXIAL TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring No.	Sample No.	Sample Depth (ft)	USCS Symbol	Initial Dry Unit Weight (pcf)	Void Ratio	Specific Gravity	Initial Moisture Content (%)	Confining Stress (tsf)	Undrained Shear Strength (tsf)
B-2174UDR	UD-26	445-446	CH	98.7	0.76	2.78	26.2	15.48	3.04
B-2182UD	UD-1	10-11.7	CL	113.0	0.53	2.76	14.0	0.72	1.96
B-2182UD	UD-5	33-34.7	CH	97.2	0.78	2.77	29.6	2.16	1.43
B-2182UD	UD-6	37-38.5	CL			2.75	16.1		
B-2182UD	UD-7	65-66.7	SC	93.3	0.84	2.74	25.0	3.60	1.55
B-2182UD	UD-11	90.5-93.0	CL	125.6	0.38	2.77	12.3	4.32	3.94
B-2182UD	UD-13	120-121.7	SC	111.0	0.52	2.71	18.7	5.04	3.01
B-2182UD	UD-15	145-147.5	ML	102.5	0.65	2.70	25.3	5.76	1.45
B-2182UD	UD-25	303-304.2	CH	95.7	0.82	2.79	25.1	10.80	2.36
B-2182UD	UD-26	320-321.5	CL	114.5	0.49	2.73	15.5	11.52	4.73
B-2182UD	UD-28	330-332	CH	97.3	0.76	2.74	28.0	11.88	2.92
B-2182UD	UD-30	340-341.1	CL	117.6	0.45	2.73	15.0	12.24	5.28
B-2182UD	UD-31	343-344	CL	115.9	0.48	2.74	15.8	12.24	6.73
B-2182UD	UD-33	380-381.7	CH	86.6	1.00	2.78	32.2	13.32	3.90
B-2182UD	UD-37	400-402.5	CL	103.1	0.67	2.76	23.6	14.04	2.53
B-2269UD	UD-1	10-12	CL	114.4	0.46	2.67	17.6	0.72	1.94
B-2269UD	UD-2	13-15	CH	104.9	0.58	2.66	23.0	0.72	1.23
B-2269UD	UD-3	30-32	CL	116.6	0.42	2.66	15.8	1.80	2.40
B-2269UD	UD-4	33-34.8	CL	116.7	0.47	2.74	15.0	1.80	1.96
B-2269UD	UD-5	50-51.7	CH	103.0	0.64	2.70	21.8	2.88	1.53
B-2269UD	UD-7	70-71.7	CH	95.5	0.78	2.72	28.3	3.60	1.18
B-2269UD	UD-8	73-74.7	CH	100.6	0.66	2.67	22.4	3.60	2.17
B-2269UD	UD-10	123-123.8	CH	115.1	0.45	2.68	17.4	5.40	2.06
B-2269UD	UD-11	150-151.7	CH	105.0	0.60	2.70	21.8	6.12	2.95
B-2269UD	UD-18	375-376.6	CL	104.1	0.67	2.78	22.3	13.32	1.90
B-2269UD	UD-20	400-402.1	CH	102.7	0.69	2.77	24.1	14.04	2.13
B-2274UD	UD-1	10.2-11.9	CL	109.2	0.57	2.75	19.3	0.72	1.37
B-2274UD	UD-4	67-68.7	CH	93.6	0.84	2.76	28.1	3.60	1.42
B-2274UD	UD-16	300-301.8	CH	95.4	0.81	2.76	25.0	10.80	3.90
B-2274UD	UD-17	320-322.5	MH	99.2	0.71	2.72	24.3	11.52	2.87
B-2274UD	UD-20	380-381.8	MH	89.6	0.92	2.76	31.0	13.32	3.27
B-2274UD	UD-22	400-401.3	CH	96.7	0.76	2.72	25.6	14.04	3.20

Notes: Sample is not testable

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Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7.10.08

TABLE 4.5
SUMMARY OF CONSOLIDATED UNDRAINED TRIAXIAL TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Borehole	Sample No.	Sample Depth (ft)	USCS Symbol	Initial Dry Unit Weight (pcf)	Initial Moisture Content (%)	Initial Void Ratio	Triaxial Test Data			
							c (tsf)	φ (°)	c' (tsf)	φ' (°)
B-2174UD	UD 1	10-11.7	CL	97.1	26.1	0.72	0.20	22.5	0.02	33.5
				114.8	16.7	0.45				
				116.3	15.7	0.43				
B-2174UD	UD 3	75-76.7	CL	117.1	15.8	0.47	-	-	-	-
B-2174UD	UD 4	90-90.9	CL	118.1	15.6	0.44	-	-	-	-

Notes:
- φ = Total stress internal friction angle
- c = Total stress cohesion intercept
- φ' = Effective stress internal friction angle
- c' = Effective stress cohesion intercept
- \- Not possible to determine shear strength parameters from a one point test

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Prepared By: ZHU Date: 7-10-08
Checked By: KAW Date: 7-11-08

TABLE 4.6
SUMMARY OF DIRECT SHEAR TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring No.	Sample No.	Sample Depth (ft)	USCS Symbol[2]	Specific Gravity	Initial Dry Unit Weight (pcf)	Initial Void Ratio	Initial Moisture Content (%)	Normal Stress (tsf)	Shear Strength c' (tsf)	Shear Strength φ' (°)
B-2174UD	UD 8	145-147	SM[1]	2.68	99.3	0.68	19.2	6.2	0.24	34.1
					102.8	0.63	15.7	12.4		
B-2174UD	UD 10	183-185	SM[1]	2.72	110.1	0.54	17.6	3.6	0.29	35.4
					109.5	0.55	13.8	14.5		
B-2174UD	UD 15	265-267	SC[1]	2.65	101.5	0.62	23.0	4.8	0.00	33.7
					109.3	0.51	18.2	9.8		
					114.9	0.44	16.7	14.5		
B-2182UD	UD 12B	95-97.5	SP-SM[1]	2.72	102.3	0.66	17.7	2.2	0.05	35.9
					101.1	0.68	18.7	4.3		
					107.1	0.59	16.7	8.8		
B-2182UD	UD 16	180-182.5	SM[1]	2.68	102.9	0.63	14.4	3.6	0.44	36.0
					105.2	0.59	15.9	7.3		
					113.0	0.48	14.9	14.5		
B-2269UD	UD 16	280-281.2	SC	2.69	107.6	0.56	18.9	3.6	0.20	34.0
					108.4	0.55	17.8	7.3		
					106.5	0.58	19.0	14.5		
B-2274UD	UD 12	221.1-223.6	SC[1]	2.66	111.9	0.48	10.1	4.0	0.80	31.9
					119.4	0.39	9.9	8.3		
					112.9	0.47	11.8	14.6		
B-2274UD	UD 18	330.1-332.6	SM[1]	2.71	116.3	0.46	13.4	5.5	1.30	30.8
					111.6	0.52	14.4	11.0		
					104.0	0.63	14.1	14.5		
B-2274UD	UD 19	350.1-352.6	SM[1]	2.69	106.5	0.58	18.9	5.4	0.00	36.0
					104.1	0.61	20.7	10.8		
					103.4	0.62	22.0	14.4		

Notes:
(1) Classifications are based on available quantitative and qualitative (visual inspection) information
(2) USCS Symbol and Atterberg Limits also presented in Table 4.3
φ' = Effective internal friction angle
c' = Effective cohesion intercept

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Prepared By: ZHU 7/10/08
Checked By: KAW 7.10.08

TABLE 4.7
SUMMARY OF CONSOLIDATION TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Boring Number	Sample No.	Sample Depth (ft)	USCS Symbol(1)	Specific Gravity(1)	σ_v' (3) (psf)	Dry Unit Weight (2) (pcf)	Moisture Content (2) (%)	Consolidation Test Results		
								p_c(3) (psf)	C_c (3)	C_r (3)
B-2174UDR	UD-26	445-446	CH	2.78	31000	96.2	27.6	50000	0.233	0.038
B-2174UDR	UD-27	490-492.5	CH	2.73	33900	109.6	20.2	41100	0.149	0.037
B-2182UD	UD-6	37-38.5	CL	2.75	4700	111.0	16.1	8600	0.143	0.022
B-2182UD	UD-7	65-66.7	SC	2.74	7300	95.4	20.9	11500	0.156	0.047
B-2182UD	UD-11	90.5-93	CL	2.77	8900	114.3	15.8	15100	0.136	0.017
B-2182UD	UD-12T	95-97.5	CL	2.73	9100	117.4	15.4	21700	0.070	0.017
B-2182UD	UD-13	120-121.7	SC	2.71	10700	104.6	20.4	21000	0.196	0.027
B-2182UD	UD-15	145-147.5	ML	2.70	12300	95.4	26.8	18400	0.156	0.032
B-2182UD	UD-17	215-217.5	CL	2.72	16700	101.7	22.8	26900	0.199	0.030
B-2182UD	UD-25	303-304.2	CH	2.79	22100	91.3	26.5	22100	0.209	0.032
B-2182UD	UD-26	320-321.5	CL	2.73	23200	115.5	14.9	35700	0.149	0.015
B-2182UD	UD-29	333-334.7	CH	2.72	24000	96.9	24.7	38300	0.276	0.037
B-2182UD	UD-30	340-341.1	CL	2.73	24400	116.9	15.5	38100	0.140	0.028
B-2182UD	UD-33	380-381.7	CH	2.78	27000	84.9	33.8	43300	0.455	0.028
B-2182UD	UD-37	400-402.5	CL	2.76	28200	91.4	29.3	29100	0.252	0.030
B-2269UD	UD-1	10-12	CL	2.67	1400	109.7	17.8	17200	0.126	0.012
B-2269UD	UD-3	30-32	CL	2.66	3900	110.7	15.4	9000	0.136	0.003
B-2269UD	UD-5	50-51.7	CH	2.70	6300	104.9	21.5	13700	0.159	0.060
B-2269UD	UD-7	70-71.7	CH	2.72	7600	84.4	36.6	22200	0.362	0.050
B-2269UD	UD-11	150-151.7	CH	2.70	12600	103.7	21.8	23200	0.193	0.063
B-2269UD	UD-20	400-402.1	CH	2.77	28200	85.7	32.9	28200	0.289	0.056
B-2274UD	UD-1	10.2-11.9	CL	2.75	1400	113.8	16.4	5800	0.110	0.013
B-2274UD	UD-4	67-68.7	CH	2.76	7400	89.24	32.6	17100	0.252	0.039
B-2274UD	UD-13	240-242.5	CL	2.70	18200	112.9	17.1	40800	0.126	0.014
B-2274UD	UD-16	300-301.8	CH	2.76	22000	90.9	26.8	43000	0.309	0.037
B-2274UD	UD-20	380-381.8	MH	2.76	27000	86.0	34.9	48100	0.409	0.050
B-2274UD	UD-21	390-391.8	CH	2.75	27600	83.6	36.7	47900	0.402	0.047
B-2274UD	UD-22	400-401.3	CH	2.72	28200	98.2	26.3	49600	0.252	0.020
B-2274UD	UD-26	580-582.5	CL	2.70	39500	111.0	17.8	50700	0.126	0.020

σ_v' = Overburden Pressure; p_c = Preconsolidation Pressure; C_c = Coefficient of Consolidation
C_r = Coeffiecient of Recompression

Notes:
(1) USCS Symbol and Specific Gravity values are also presented in Table 4.3.
(2) Dry unit weight and moisture content values shown were determined prior to beginning test procedure.

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RALEIGH, NC

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Prepared By: ZHU Date: 7-11-08
Checked By: [illegible] Date: 7-11-08

TABLE 4.8
SUMMARY OF SOIL
CHEMICAL TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Sample Identification			Natural Moisture (%)	pH SW 846 9045D	Chloride (mg/kg) SW 846 9056[4]	Sulfate (mg/kg) SW 846 8056[5]
Boring No.	Sample Number	Depth (feet)				
B-2151	SS-1	0-1.5	14.5	8.0	108 J	49.1
B-2151	SS-3	6-7.5	14.8	8.1	541 J	39.7
B-2151	SS-5	11-12.5	12.1	8.3	293 J	1420
B-2151	SS-7	19.5-21	16.2	8.0	683 J	613
B-2151	SS-9	29.5-31	18.3	8.2	630 J	477
B-2151	SS-11	39.5-41	22.8	8.1	573 J	573
B-2151	SS-13	49.5-51	15.5	8.7	58.1 J	63.4
B-2151	SS-15	59.5-61	14.5	8.9	21.6 J	43.8
B-2151	SS-17	69.5-71.1	21.0	8.5	43.2 J	121
B-2151	SS-19	79.5-81	12.7	8.5	66.6 J	55.2
B-2151	SS-21	89.5-91	12.0	8.5	56.9 J	37.4
B-2151	SS-23	99.5-101	9.6	8.4	74.7 J	108
B-2151	SS-25	119.5-121	16.8	8.3	77.7 J	24.0
B-2151	SS-26	128.5-130	17.5	8.5	80.3	36.5
B-2151	SS-28	149.6-151.1	12.7	8.6	93.4	22.9
B-2160	SS-2	3.5-5	21.6	8.7	18.0	69.2
B-2160	SS-4	8.5-10	11.2	7.7	196 J	452
B-2160	SS-6	13.5-15	14.9	7.7	141 J	4290
B-2160	SS-8	23.5-25	18.2	8.0	282 J	724
B-2160	SS-11	38.5-40	21.8	8.1	280.0	556
B-2160	SS-12	43.5-45	16.1	8.5	157 J	382
B-2160	SS-14	53.5-55	12.1	8.5	50.3 J	184
B-2160	SS-15	58.5-60	16.3	9.0	36.4	117
B-2160	SS-18	73.5-75	16.4	8.5	61.4 J	135
B-2160	SS-19	78.5-80	16.0	8.5	30.1	42.5
B-2160	SS-20	83.5-85	19.2	8.6	34.0	78.0
B-2160	SS-22	93.5-95	15.4	8.8	28.3	47.2
B-2160	SS-24	108.5-110	22.2	8.3	36.2	44.0
B-2160	SS-26	128.5-130	13.1	8.8	38.1	22.1
B-2160	SS-28	148.5-150	12.5	8.6	14.6	11.9
B-2160	SS-29	158.5-160	12.8	8.7	25.7	24.2
B-2251	SS-1	0-1.5	14.8	7.2	15.6	96.3
B-2251	SS-3	6-7.5	14.2	8.2	321.0	196
B-2251	SS-5	11-12.5	15.6	8.5	198.0	35.5
B-2251	SS-7	18.5-20	21.9	8.3	241.0	250
B-2251	SS-9	28.5-30.0	14.9	8.5	173.0	220
B-2251	SS-11	38.5-40	12.3	9.0	32.7	59.2
B-2251	SS-13	48.5-50	16.4	9.0	39.0	15.8
B-2251	SS-15	58.5-60	12.4	8.5	223.0	22.0
B-2251	SS-17	68.5-70	23.2	8.4	50.1	124
B-2251	SS-19	78.5-80	14.5	8.7	30.8	29.9

Prepared By: ZHU Date: 7-11-08
Checked By: WSB Date: 7-11-08

TABLE 4.8
SUMMARY OF SOIL CHEMICAL TEST RESULTS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Sample Identification			Natural Moisture	pH	Chloride (mg/kg)	Sulfate (mg/kg)
Boring No.	Sample Number	Depth (feet)	(%)	SW 846 9045D	SW 846 9056(4)	SW 846 8056(5)
B-2251	SS-21	88.5-90	12.6	8.8	97.1	23.2
B-2251	SS-23	98.5-100	21.8	8.0	455.0	25.2
B-2251	SS-25	118.5-120	19.0	8.6	42.0	29.6
B-2251	SS-27	138.5-140	12.0	8.8	42.3	17.0
B-2251	SS-28	148.5-150	16.0	8.6	59.2	17.2
B-2265	SS-2	3.5-5	14.6	8.4	14.0	7.4
B-2265	SS-4	8.5-10	13.1	8.4	4.4	4.5 B
B-2265	SS-6	13.5-15	17.3	8.2	5.5	5.8 B
B-2265	SS-8	23.5-25	11.3	8.6	5.1	3.9 B
B-2265	SS-10	32.5-35	10.4	8.3	5.4 J	3.8 B
B-2265	SS-12	43.5-45	13.8	8.8	8.1	3.6 B
B-2265	SS-14	53.5-55	9.4	8.9	21.7	54.8
B-2265	SS-16	63.5-65	11.3	8.7	7.0	19.7
B-2265	SS-18	73.5-75	10.6	8.6	17.1	44.2
B-2265	SS-21	88.5-90	16.5	8.1	16.6	19.5
B-2265	SS-22	93.5-95	14.0	8.8	40.7	22.5
B-2265	SS-23B	98.9-100	8.5	8.8	18.6	18.7
B-2265	SS-26	128.5-130	13.1	8.6	34.7	23.8
TP-2102	Bulk	8	12.4	8.0	670.0	1380.0
TP-2103	Bulk	8	12.0	8.6	325.0	55.7
TP-2104	Bulk	8	11.30	8.60	501.0	59.0
TP-2201	Bulk	5	13.0	9.0	3.9	11.8
TP-2202	Bulk	5-10	16.7	8.3	547.0	43.7
TP-2203	Bulk	8	14.0	8.5	399.0	176.0
TP-2204	Bulk	5-10	12.6	9.0	9.50	15.0

NOTES:
(1) Tests performed by TEST AMERICA - St. Louis, MO
(2) J indicates method blank contamination. The associated method blank contains the target analyte at a reportable level.
(3) B indicates an estimated result. The results is less than the reporting limit.
(4) SW 846 9056/EPA Method 300.0 (EPA-600 / 4-79-020)
(5) SW 846 8056/EPA Method 300.0 (EPA-600 / 4-79-020)

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.9
SUMMARY OF SOIL INDEX TEST RESULTS FOR BORROW SOILS
EXELON (Victoria) COL PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Borrow Soil Identification	Sample Type	USCS Symbol	Particle Size Analysis			Specific Gravity		Natural Moisture (%)	Moisture/Density (1)		Direct Shear Tests			
			Gravel (%)	Sand (%)	Fines (%)	G_s (Bulk)	Absorbtion (%)		Max. Dry Density (pcf)	Optimum Moisture (%)	Dry Unit Weight (pcf)	Moisture Content (%)	c' (tsf)	φ' (°)
Fordyce Murphy Pit C-33	Bulk	SP	0	99	1	2.607(2)	0.73	4.2	112.5	3.0	107.0 107.0 107.0	3.1 3.0 3.0	0	37
Fordyce Murphy Pit C-144	Bulk	SP	0	98	2	2.611(2)	0.72	5.1	105.5	8.0	99.7 99.8 100.1	8.2 8.1 7.8	0	36
Fordyce Briggs Pit	Bulk	SW	42	55	3	2.7(3)		7.1	127.0	8.5				
	Seived(4)								120.5	12.5	114.3 114.3 114.2	12.4 12.4 12.5	0	40
CW&A Texas DOT Grade 4	Bulk	GW-GC	50	43	7	2.67(3)		3.4	138.0	5.5				
	Seived(4)								136.5	6.0	130.6 130.7 130.7	5.8 5.7 5.7	0	42
CW&A Texas DOT Grade 6	Bulk	GP-GC	47	43	10	2.659(3)		4.6	137.0	6.0				
	Seived(4)								133.0	6.5	126.7 126.7 126.5	6.1 6.1 6.4	0	39

(1) Moisture/density testing performed in accordance with ASTM D 1557-02 (Modified Proctor).
(2) Specific Gravity determined by ASTM C 128-07
(3) Specific Gravity determined by ASTM D 854-06 (Method B)
(4) Bulk sample was passed through 3/8 inch sieve prior to testing
Information not available or test not assigned

φ' = Effective stress internal friction angle
c' = Effective stress cohesion intercept

MACTEC ENGINEERING AND CONSULTING, INC.
RALEIGH, NC

Prepared By: ZHU Date: 7/10/08
Checked By: KAW Date: 7-10-08

TABLE 4.10
SUMMARY OF SOIL CHEMICAL TEST RESULTS FOR BORROW SOILS
EXELON TEXAS COL (Victoria) PROJECT
MACTEC PROJECT NO. 6468-07-1777
POWER BLOCK

Sample Identification	Moisture (%)	pH SW 846 9045D	Chloride (mg/kg) SW 846 9056(2)	Sulfate (mg/kg) SW 846 8056(3)
Murphy Pit C-33	3.8	9.3	0.84 A	5.6
Murphy Pit C-144	4.4	9.4	4.4	4.7 A
Briggs Raw Material	5.7	9.4	7.9	10.2
CW&A Texas DOT Grade 4	3.4	5.7	1.4 A	5.6
CW&A Texas DOT Grade 6	4.5	8.1	2.3	11.8

NOTES:
(1) Tests performed by TEST AMERICA - St. Louis, MO
(2) SW 846 9056/EPA Method 300.0 (EPA-600 / 4-79-020)
(3) SW 846 8056/EPA Method 300.0 (EPA-600 / 4-79-020)
A = Estimated Result is less than Reporting Limits