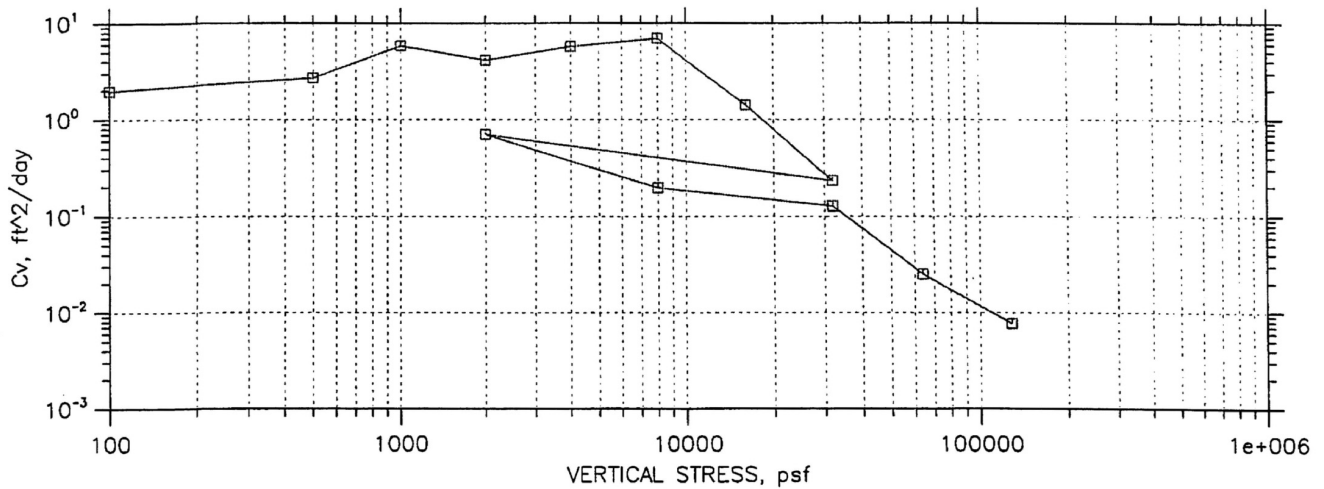
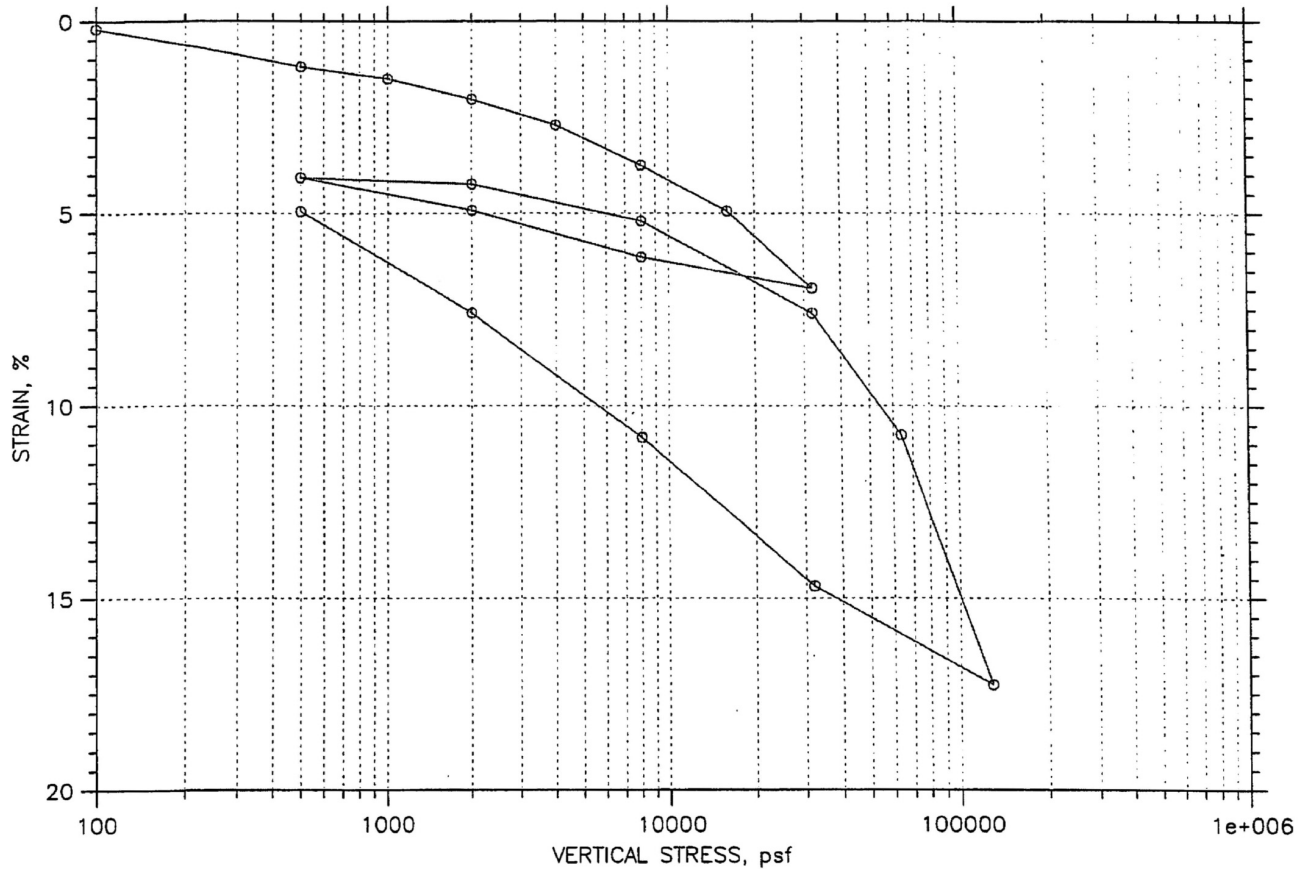
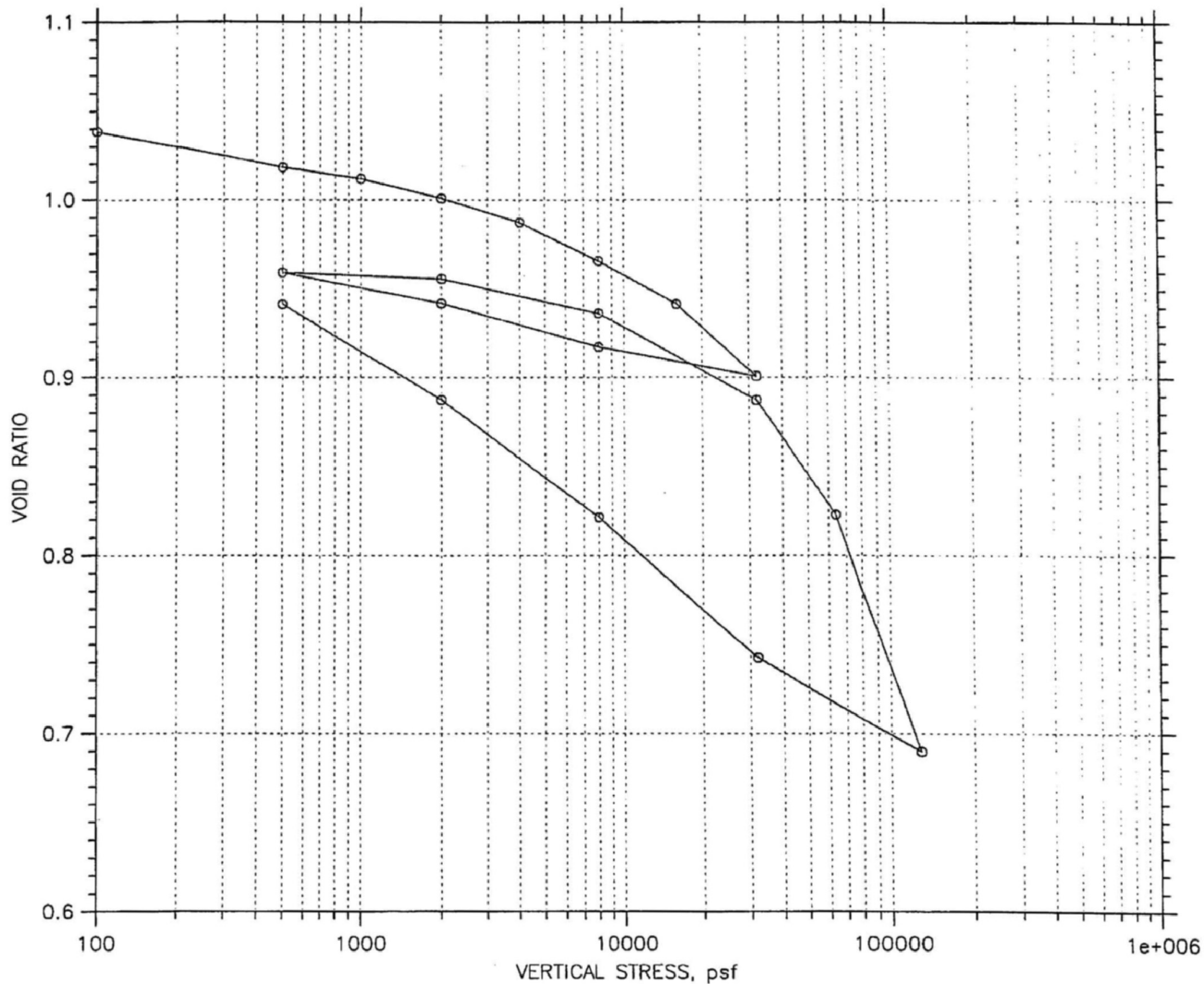


CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2182UD UD-33	Project No.: 6468071777
	Boring No.: 2182UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-33	Test Date: 1/24/08	Depth: 380-381.7'
	Test No.: 8200	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.028		

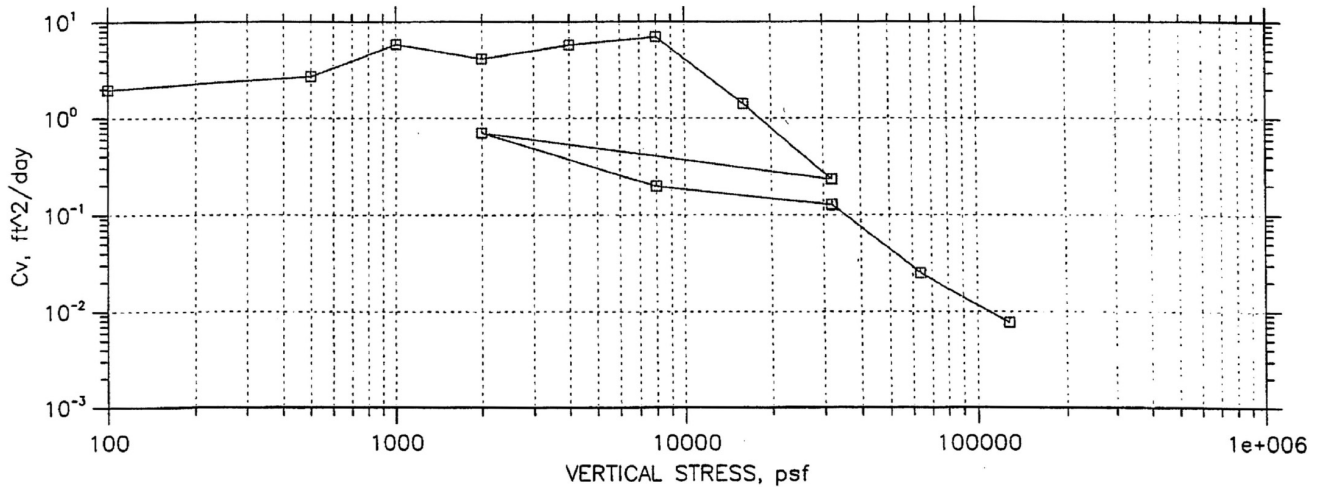
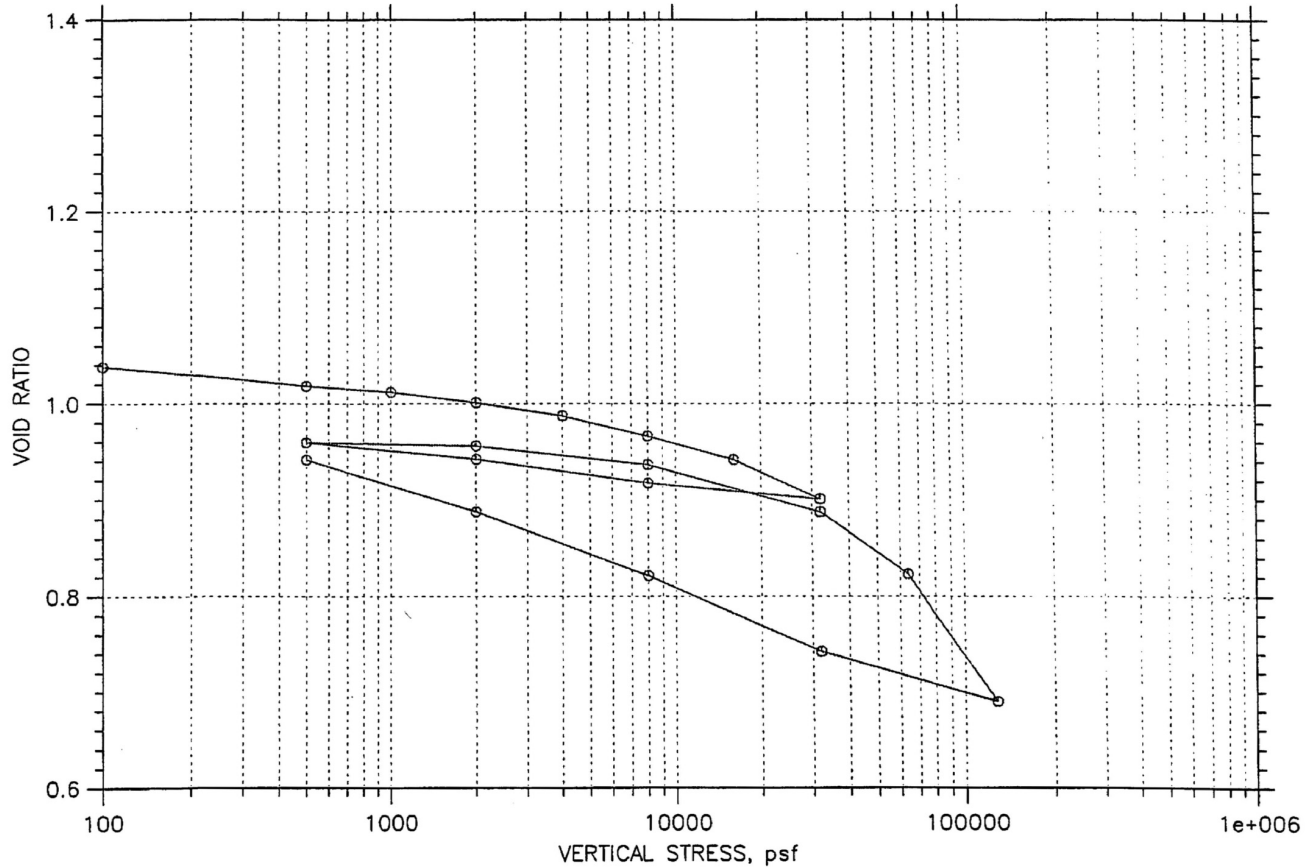
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.7e+004 psf				Water Content, %	33.80	35.17
Preconsolidation Pressure: 4.33e+004 psf				Dry Unit Weight, pcf	84.87	89.3
Compression Index: 0.455				Saturation, %	90.03	103.73
Diameter: 2.5 in		Height: 1.005 in		Void Ratio	1.04	0.94
LL: 68	PL: 32	PI: 36	GS: 2.78			

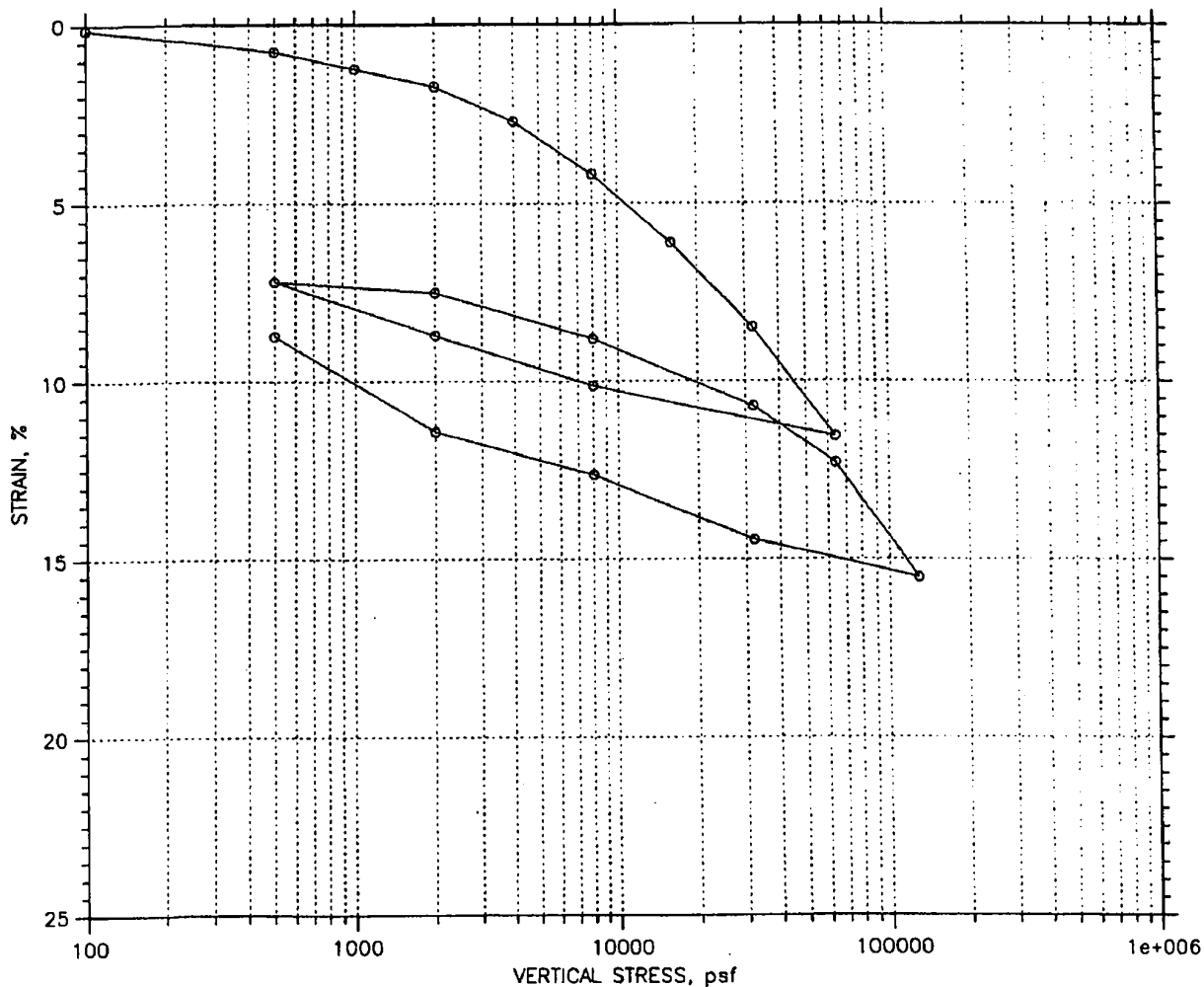
	Project: Exelon Texas COL Victoria		Location: 2182UD UD-33	Project No.: 6468071777
	Boring No.: 2182UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-33		Test Date: 1/24/08	Depth: 380-381.7'
	Test No.: 8200		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.028

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2182UD UD-33	Project No.: 6468071777
	Boring No.: 2182UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-33	Test Date: 1/24/08	Depth: 380-381.7'
	Test No.: 8200	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.028		

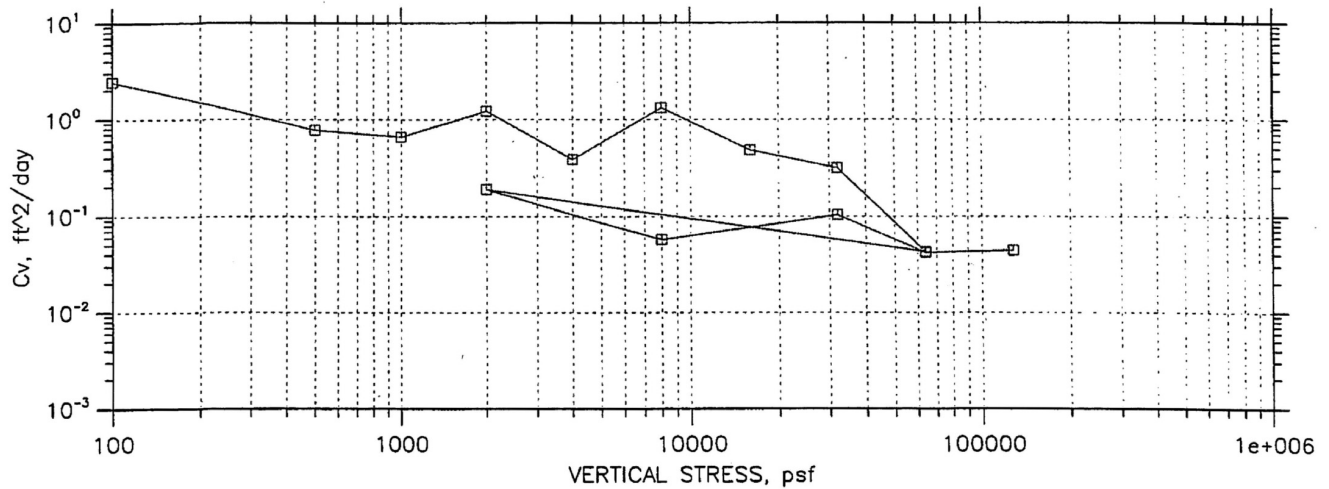
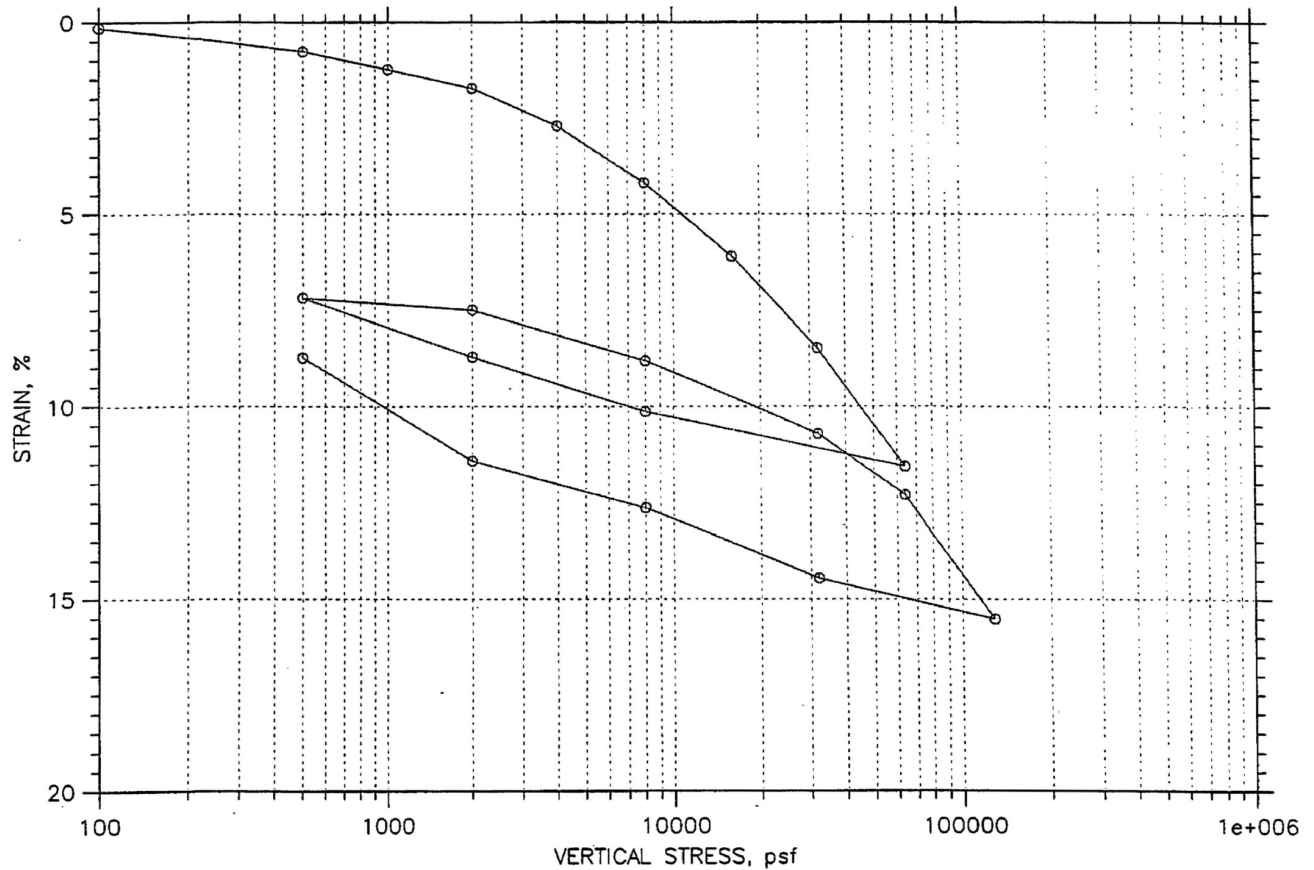
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 2.82e+004 psf				29.26	26.91
Preconsolidation Pressure: 2.91e+004 psf				91.4	100.2
Compression Index: 0.252				91.38	103.33
Diameter: 2.5 in		Height: 1.003 in		0.88	0.72
LL: 49	PL: 25	PI: 24	GS: 2.76		

MACTEC	Project: Exelon Texas COL Victoria Location: 2182UD UD-37		Project No.: 6468071777
	Boring No.: 2182UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-37	Test Date: 1/24/08	Depth: 400-402.5' <i>SW</i>
	Test No.: 8201	Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Light Gray Mottled Yellowish Brown Lean CLAY with sand (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr= 0.030		

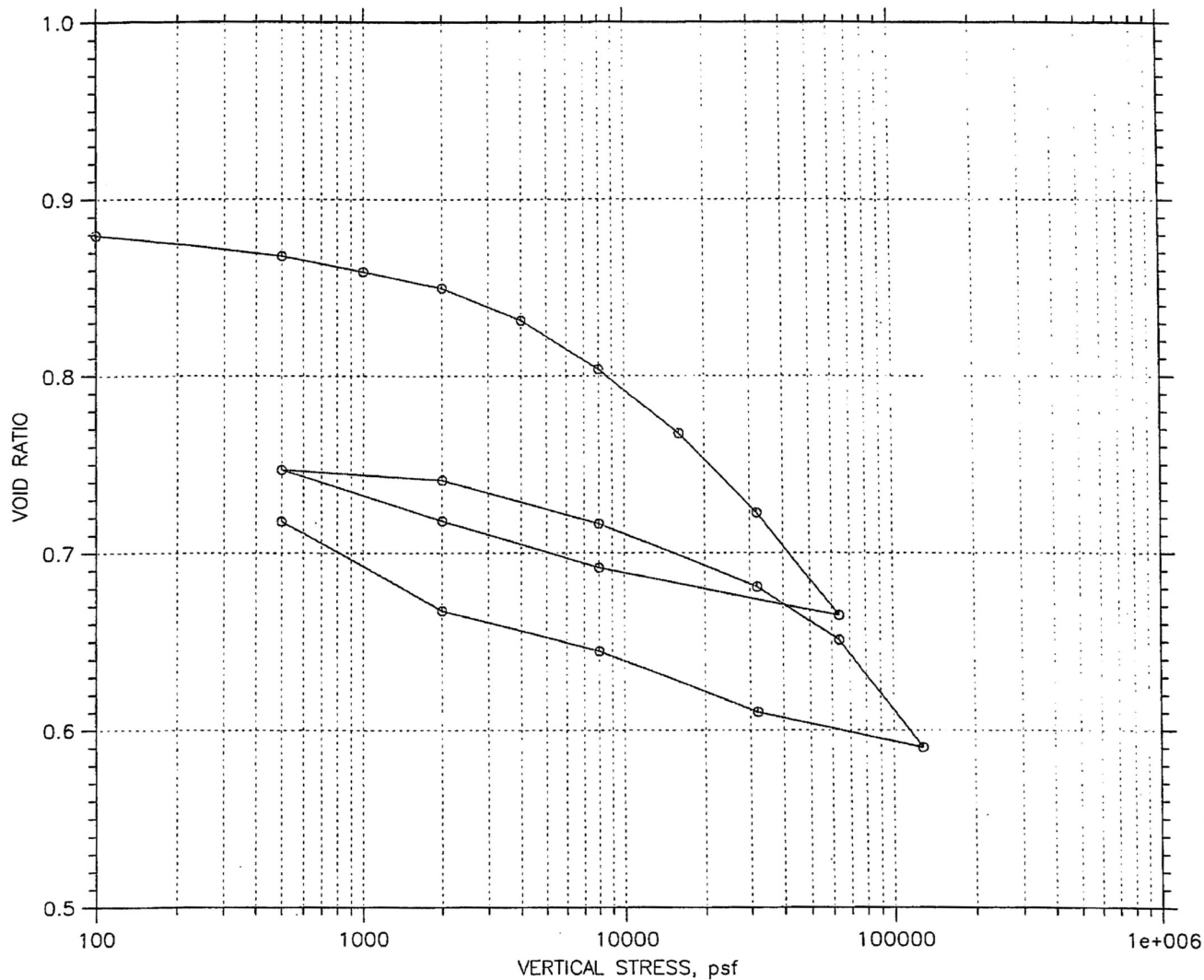
CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2182UD UD-37	Project No.: 6468071777
	Boring No.: 2182UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-37	Test Date: 1/24/08	Depth: 400-402.5'
	Test No.: 8201	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Yellowish Brown Lean CLAY with sand (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.030

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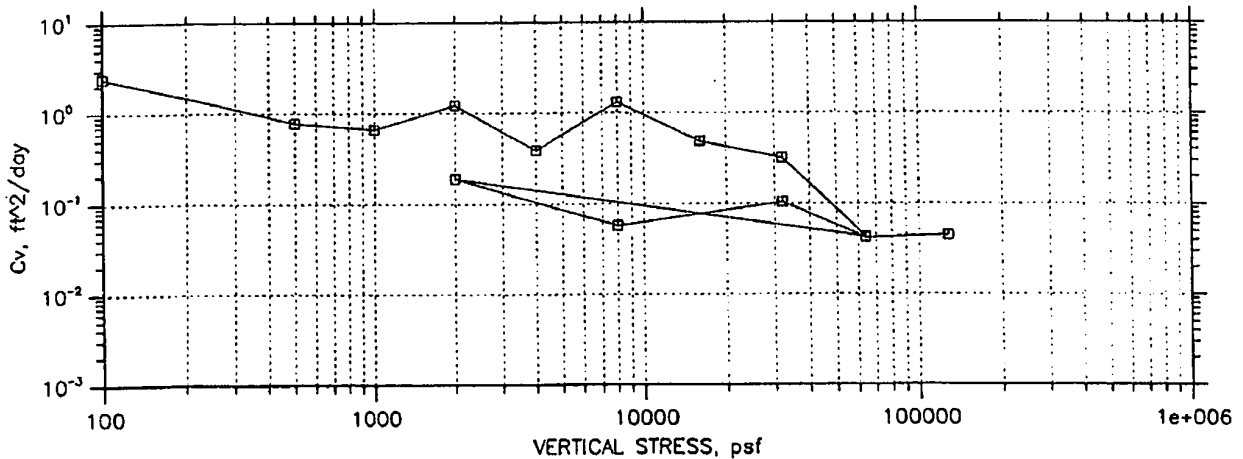
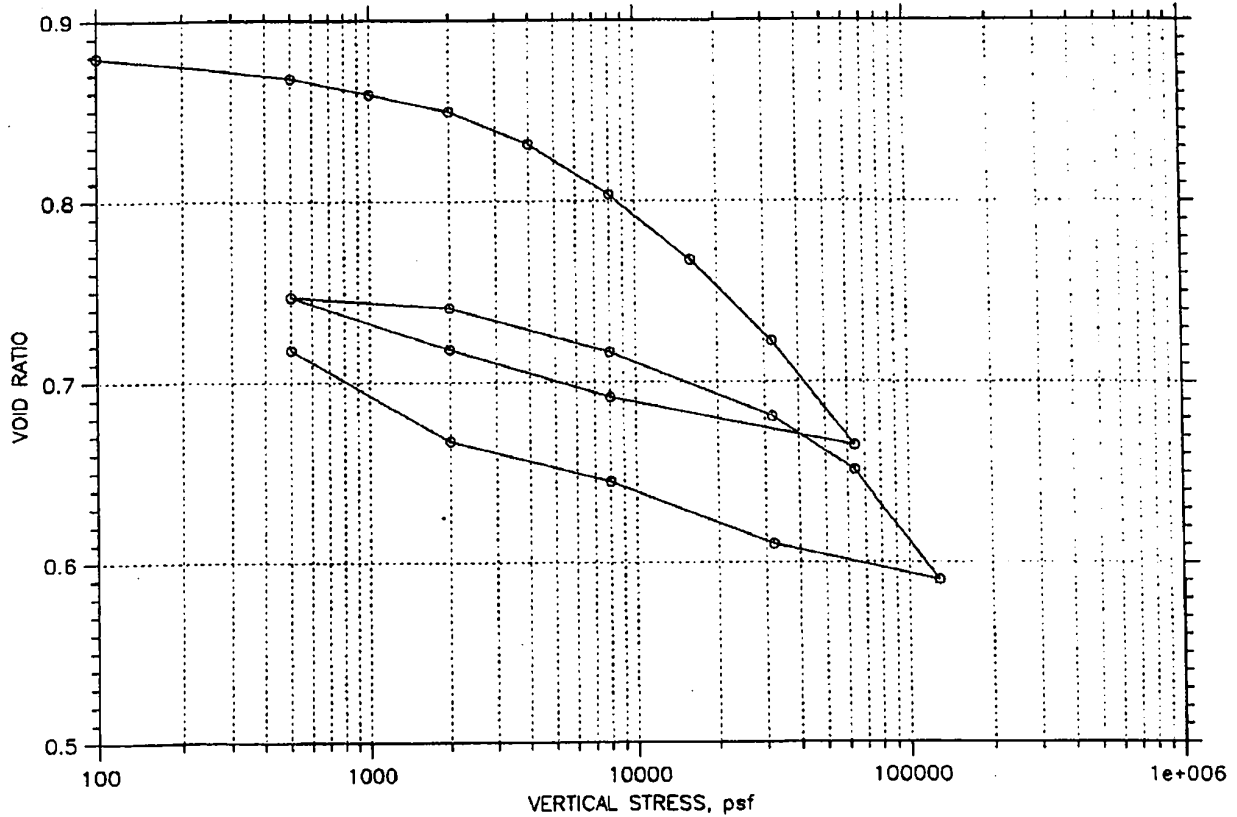
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.82e+004 psf				Water Content, %	29.26	26.91
Preconsolidation Pressure: 2.91e+004 psf				Dry Unit Weight, pcf	91.4	100.2
Compression Index: 0.252				Saturation, %	91.38	103.33
Diameter: 2.5 in		Height: 1.003 in		Void Ratio	0.88	0.72
LL: 49	PL: 25	PI: 24	GS: 2.76			

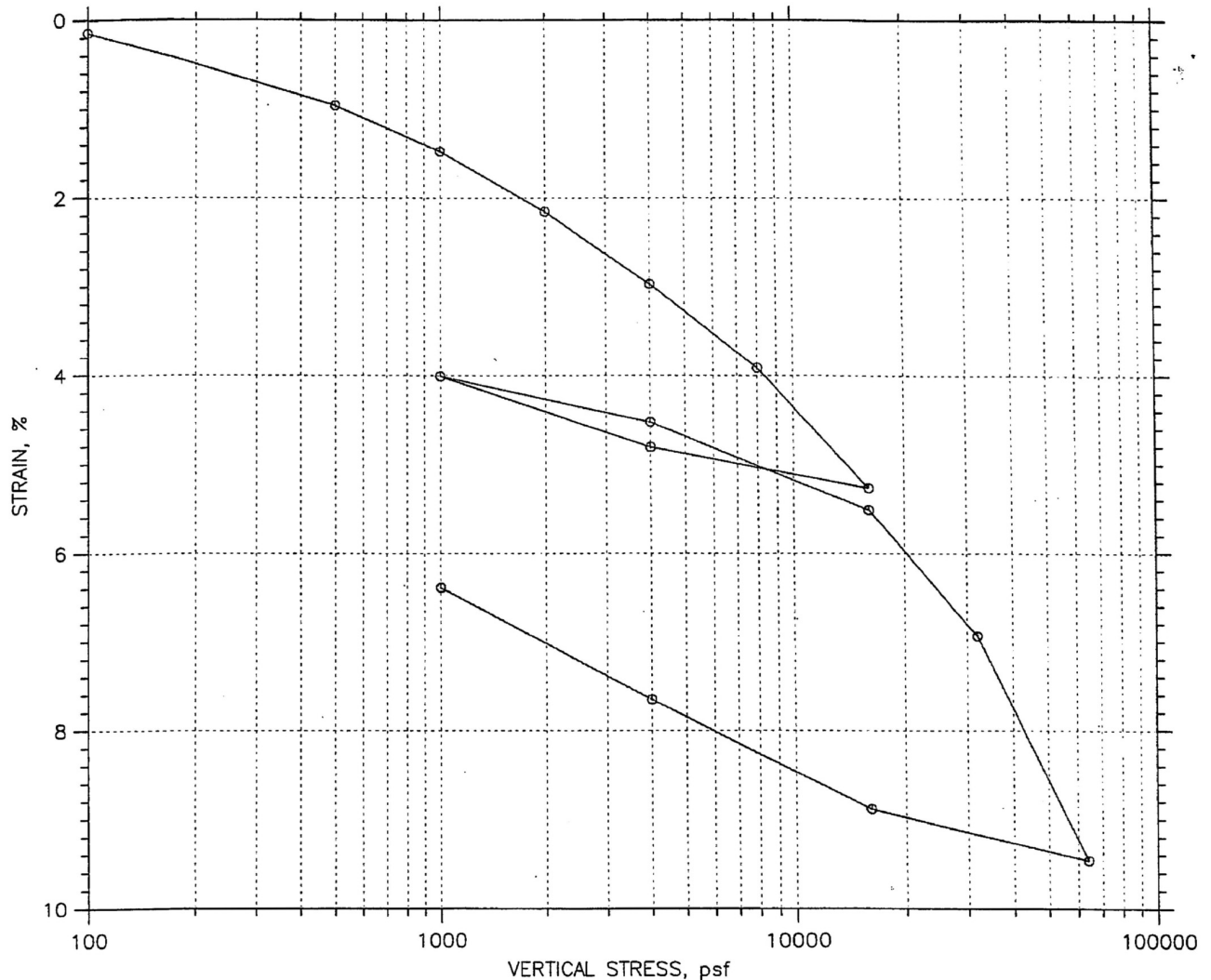
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	Boring No.: 2182UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-37		Test Date: 1/24/08	Depth: 400-402.5'
	Test No.: 8201		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Yellowish Brown Lean CLAY with sand (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.030

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2182UD UD-37	Project No.: 6468071777
	Boring No.: 2182UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-37	Test Date: 1/24/08	Depth: 400-402.5' <i>JW</i>
	Test No.: 8201	Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Light Gray Mottled Yellowish Brown Lean CLAY with sand (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr= 0.030

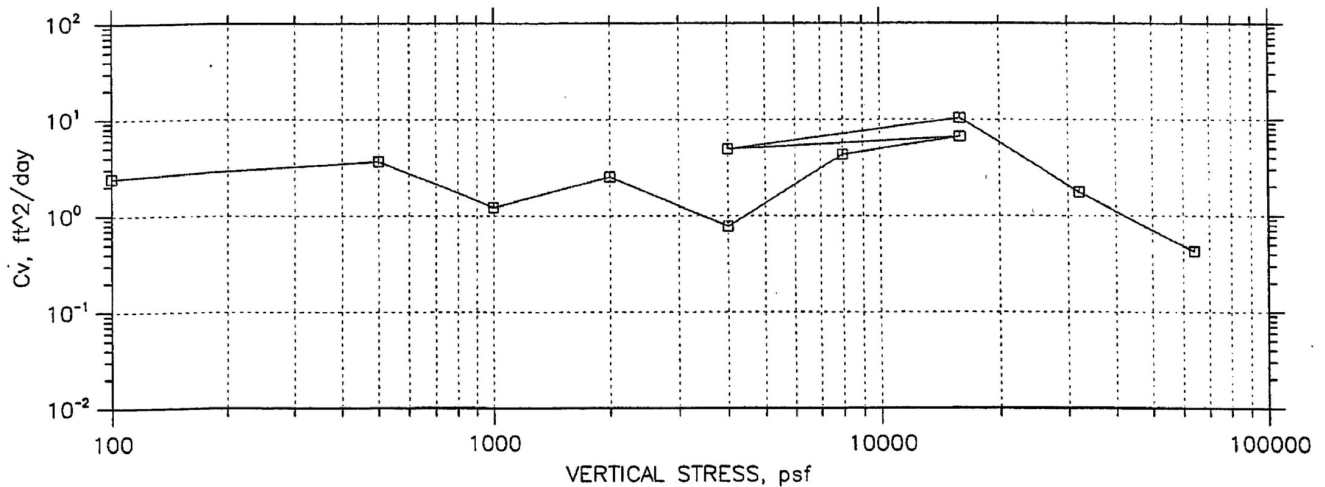
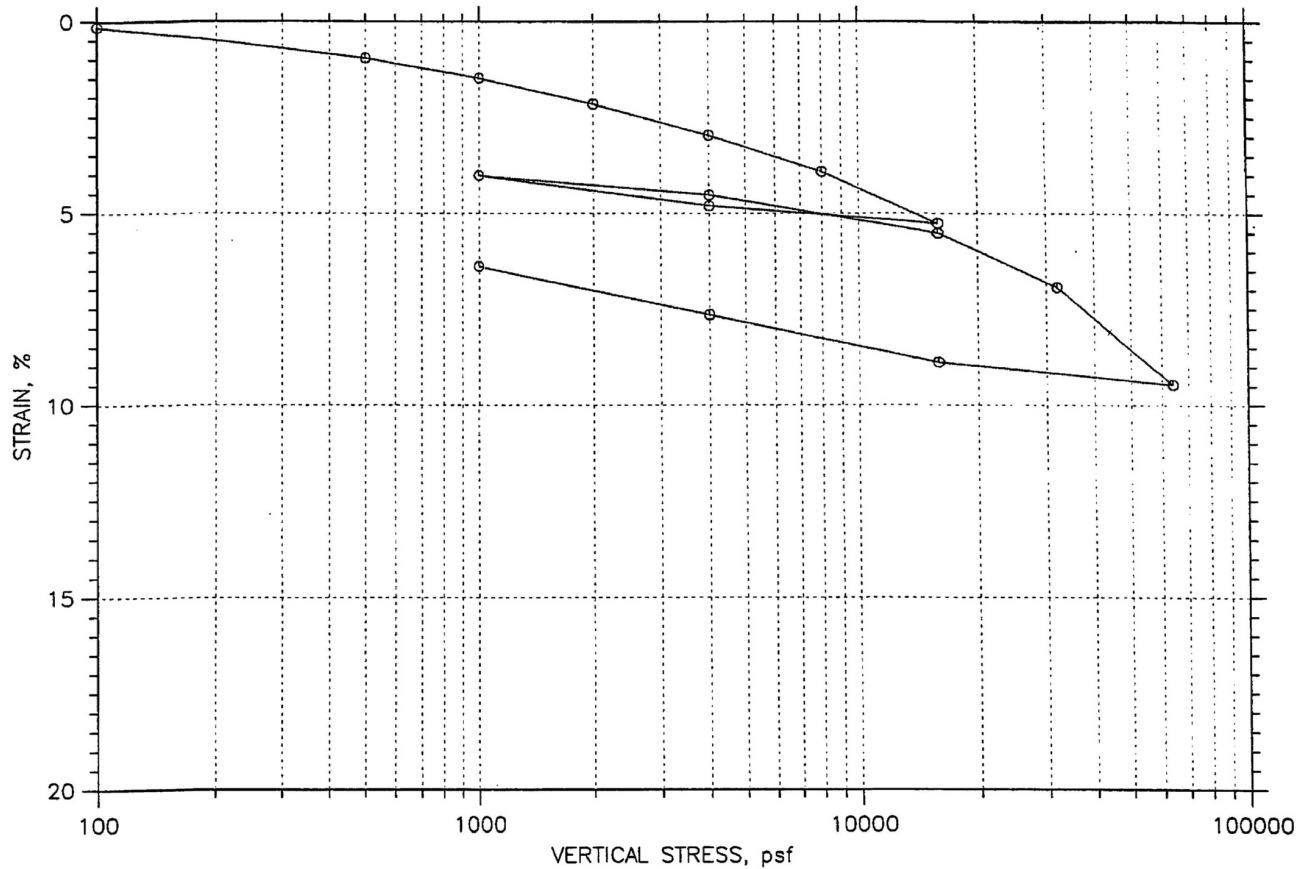
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 1400 psf				Water Content, %	17.76	15.76
Preconsolidation Pressure: 1.72e+004 psf				Dry Unit Weight, pcf	109.7	117.2
Compression Index: 0.126				Saturation, %	91.54	99.98
Diameter: 2.499 in		Height: 0.9998 in		Void Ratio	0.52	0.42
LL: 40	PL: 16	PI: 24	GS: 2.67			

MACTEC	Project: Exelon Texas COL Victoria		Location: 2269UD UD-1	Project No.: 6468071777
	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-1		Test Date: 1/18/08	Depth: 10-12' <i>SW</i>
	Test No.: 8167		Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Brownish Yellow Mottled Light Gray Lean CLAY (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.012

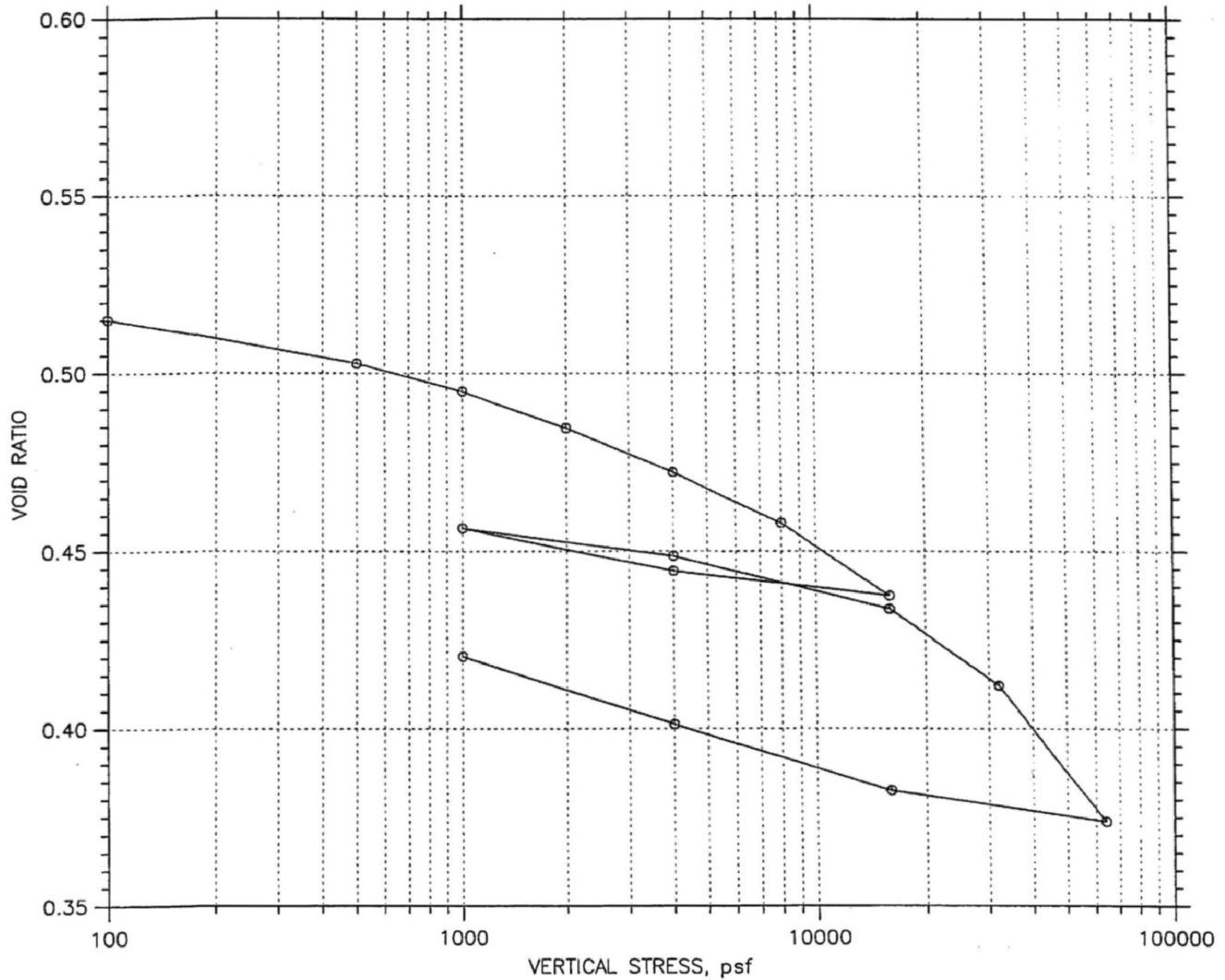
CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-1	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-1	Test Date: 1/18/08	Depth: 10-12'
	Test No.: 8167	Sample Type: Undisturbed	Elevation: N/A
	Description: Brownish Yellow Mottled Light Gray Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.012		

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CONSOLIDATION TEST DATA SUMMARY REPORT

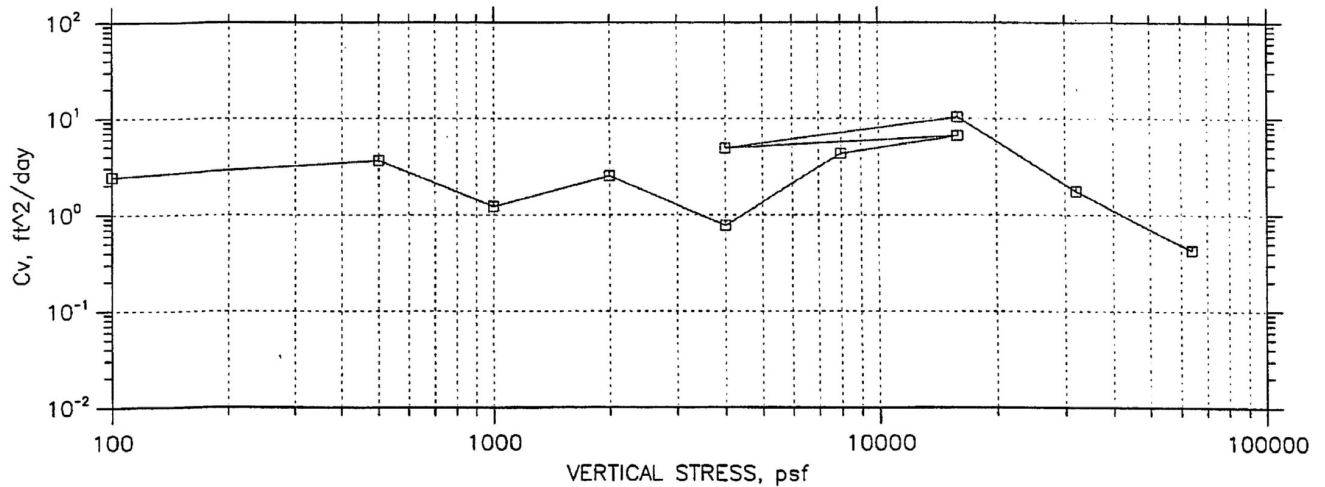
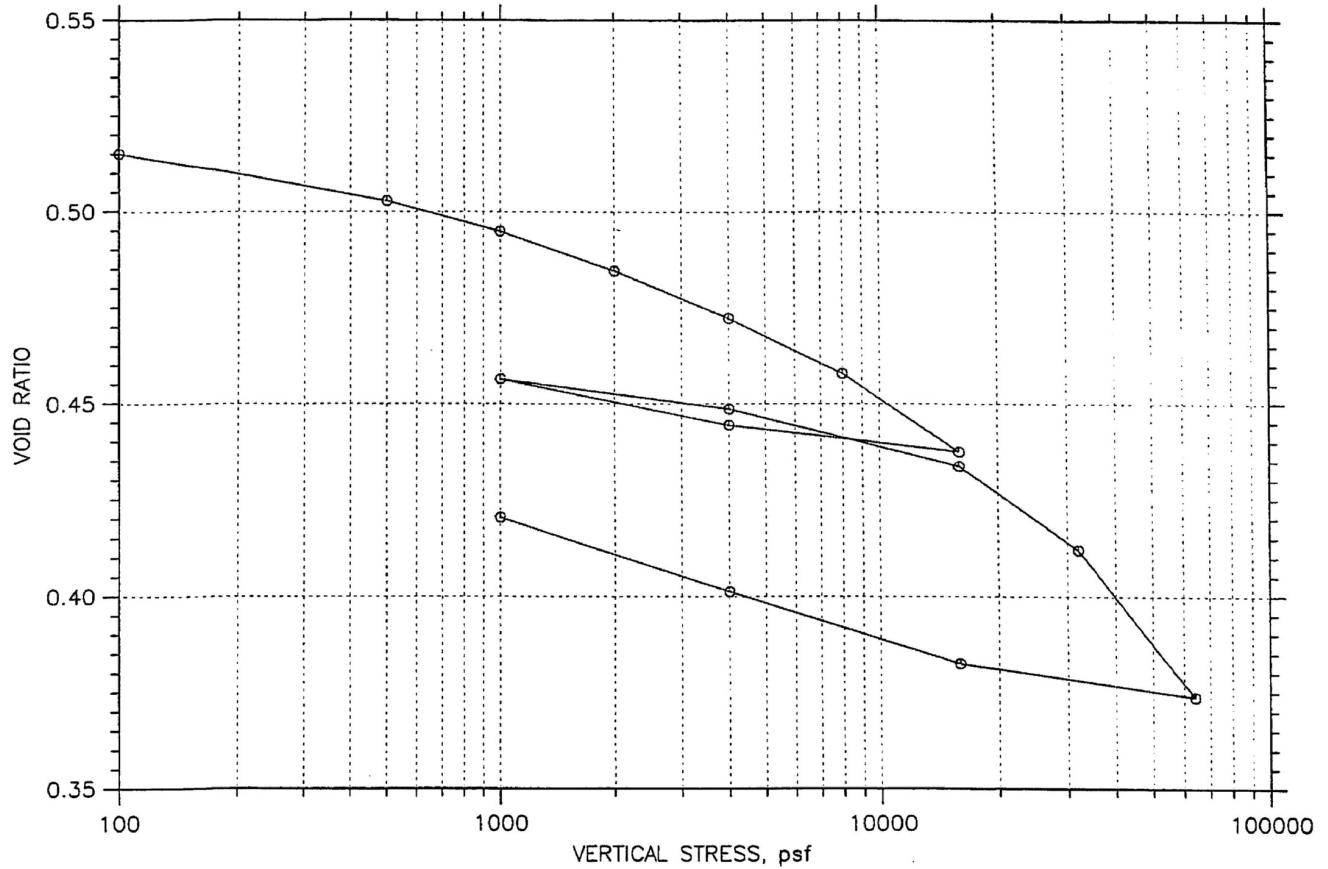


				Before Test	After Test	
Overburden Pressure: 1400 psf				Water Content, %	17.76	15.76
Preconsolidation Pressure: 1.72e+004 psf				Dry Unit Weight, pcf	109.7	117.2
Compression Index: 0.126				Saturation, %	91.54	99.98
Diameter: 2.499 in		Height: 0.9998 in		Void Ratio	0.52	0.42
LL: 40	PL: 16	PI: 24	GS: 2.67			

	Project: Exelon Texas COL Victoria		Location: 2269UD UD-1	Project No.: 6468071777
	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-1		Test Date: 1/18/08	Depth: 10-12'
	Test No.: 8167		Sample Type: Undisturbed	Elevation: N/A
	Description: Brownish Yellow Mottled Light Gray Lean CLAY (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.012

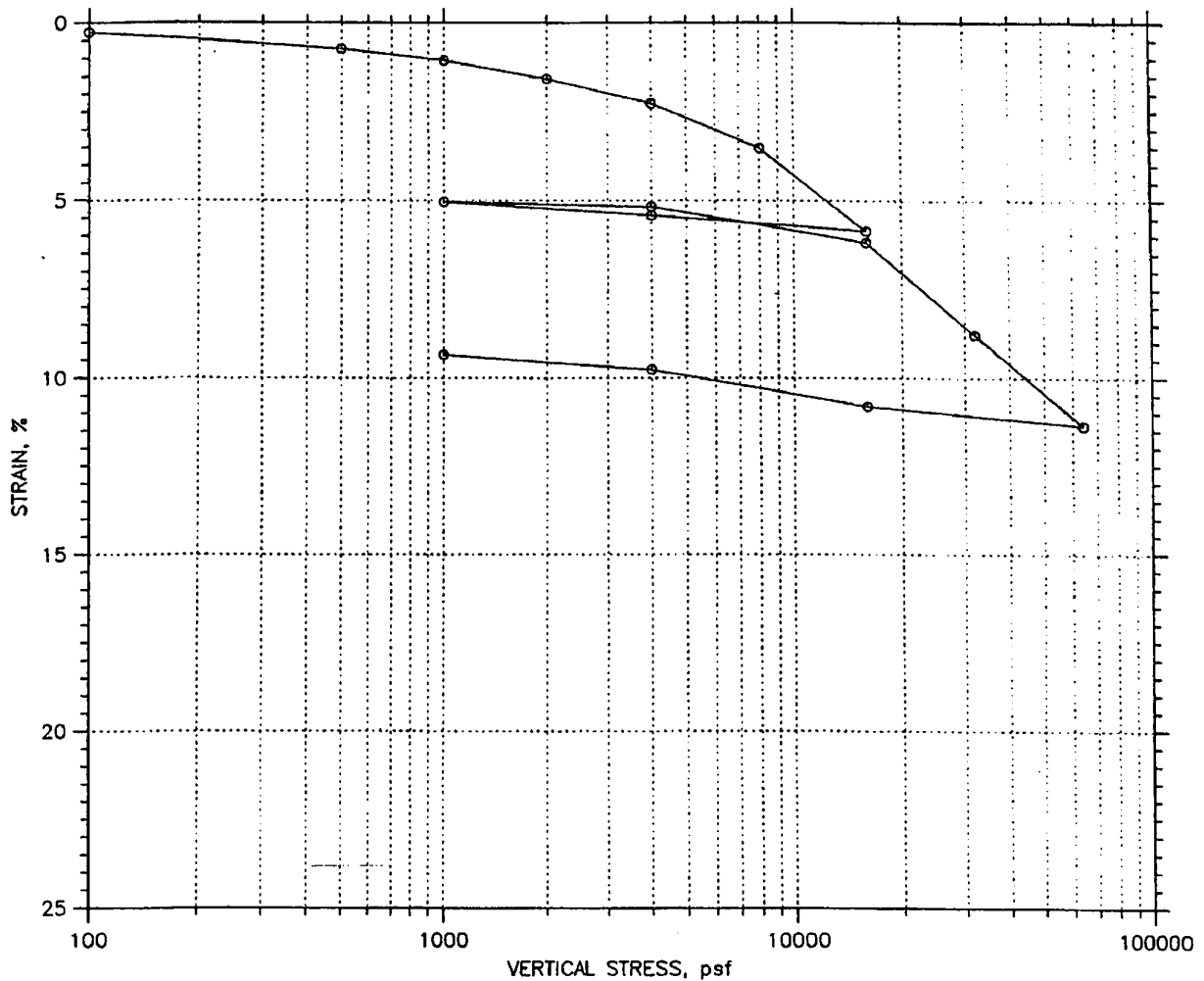
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CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-1	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-1	Test Date: 1/18/08	Depth: 10-12' <i>SW</i>
	Test No.: 8167	Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Brownish Yellow Mottled Light Gray Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.012		

CONSOLIDATION TEST DATA SUMMARY REPORT



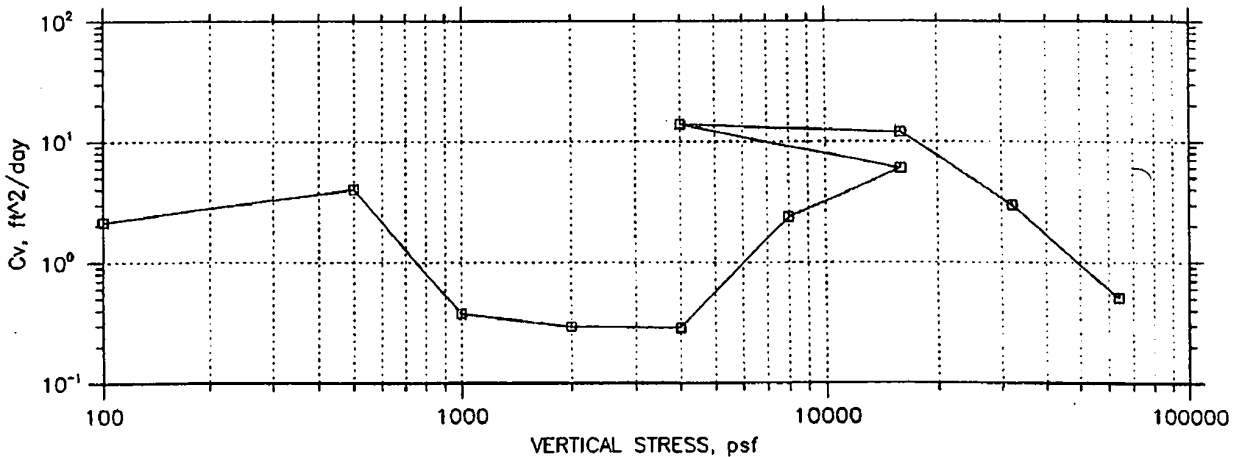
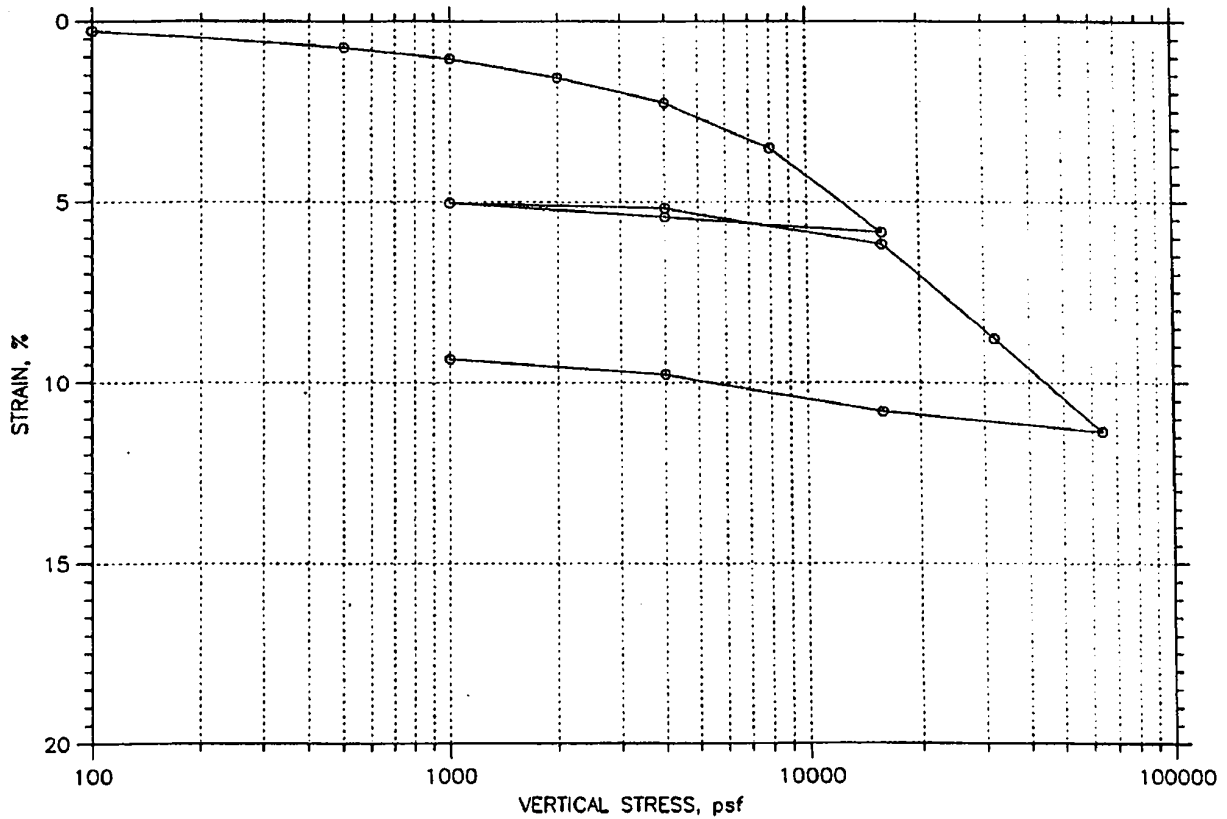
				Before Test	After Test	
Overburden Pressure: 3900 psf				Water Content, %	15.35	13.53
Preconsolidation Pressure: 9000 psf				Dry Unit Weight, pcf	110.7	122.2
Compression Index: 0.136				Saturation, %	81.73	100.13
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.50	0.36
LL: 34	PL: 15	PI: 19	GS: 2.66			

	Project: Exelon Texas COL Victoria		Location: 2269UD UD-3	Project No.: 6468071777
	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-3		Test Date: 1/18/08	Depth: 30-32'
	Test No.: 8169		Sample Type: Undisturbed	Elevation: N/A
	Description: Very Pale Brown Sandy Lean CLAY (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.003

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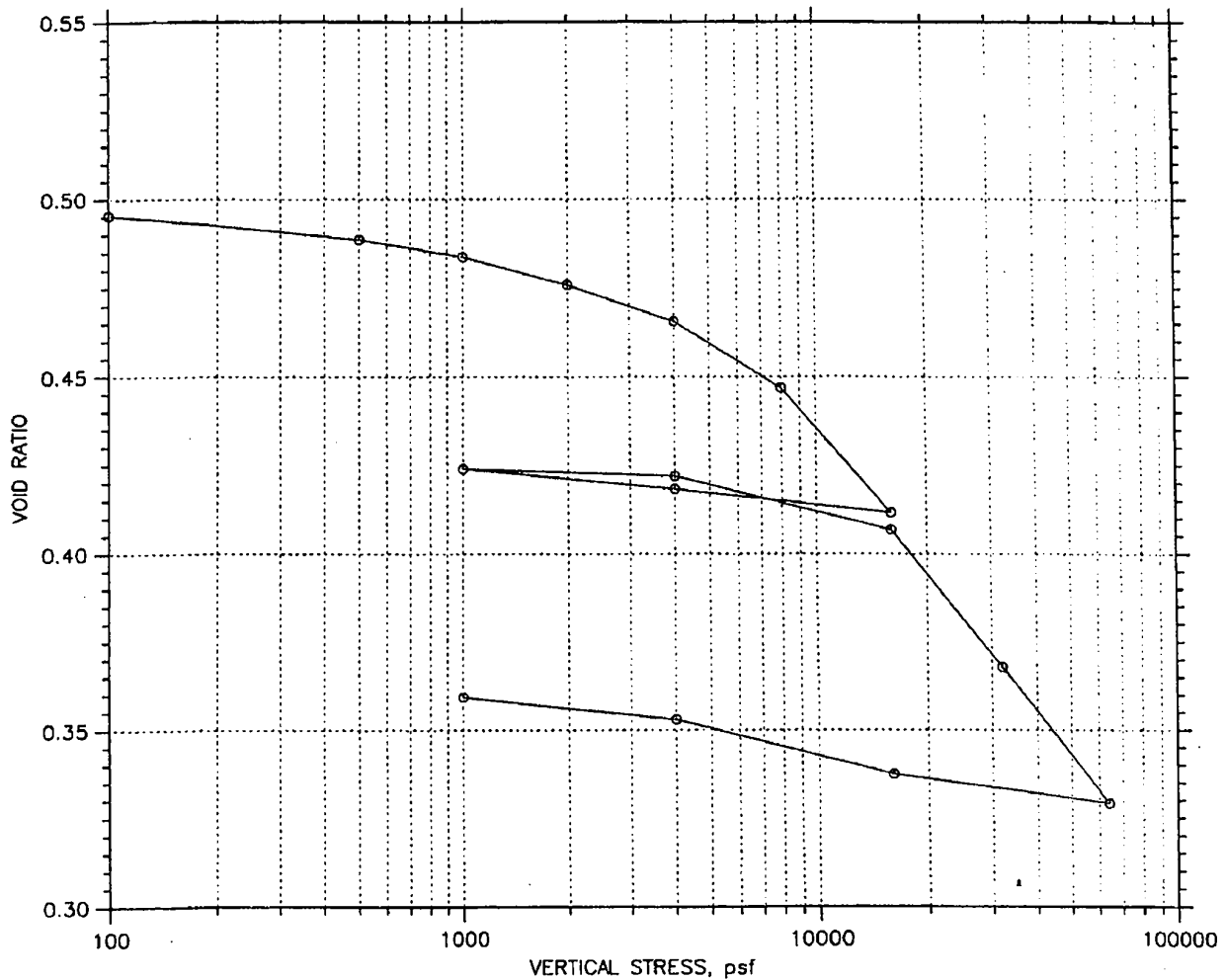
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CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-3	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-3	Test Date: 1/18/08	Depth: 30-32'
	Test No.: 8169	Sample Type: Undisturbed	Elevation: N/A
	Description: Very Pale Brown Sandy Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.003

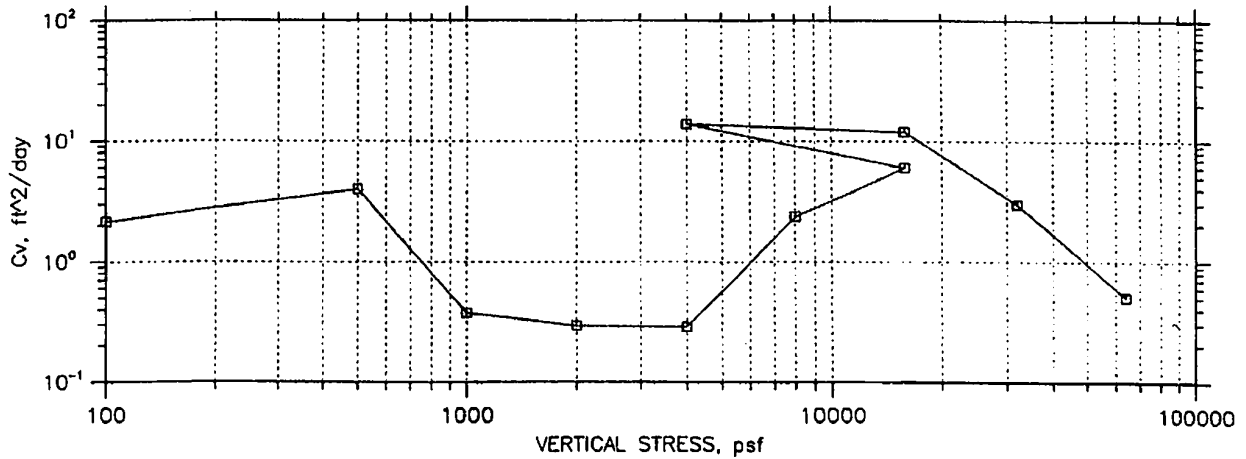
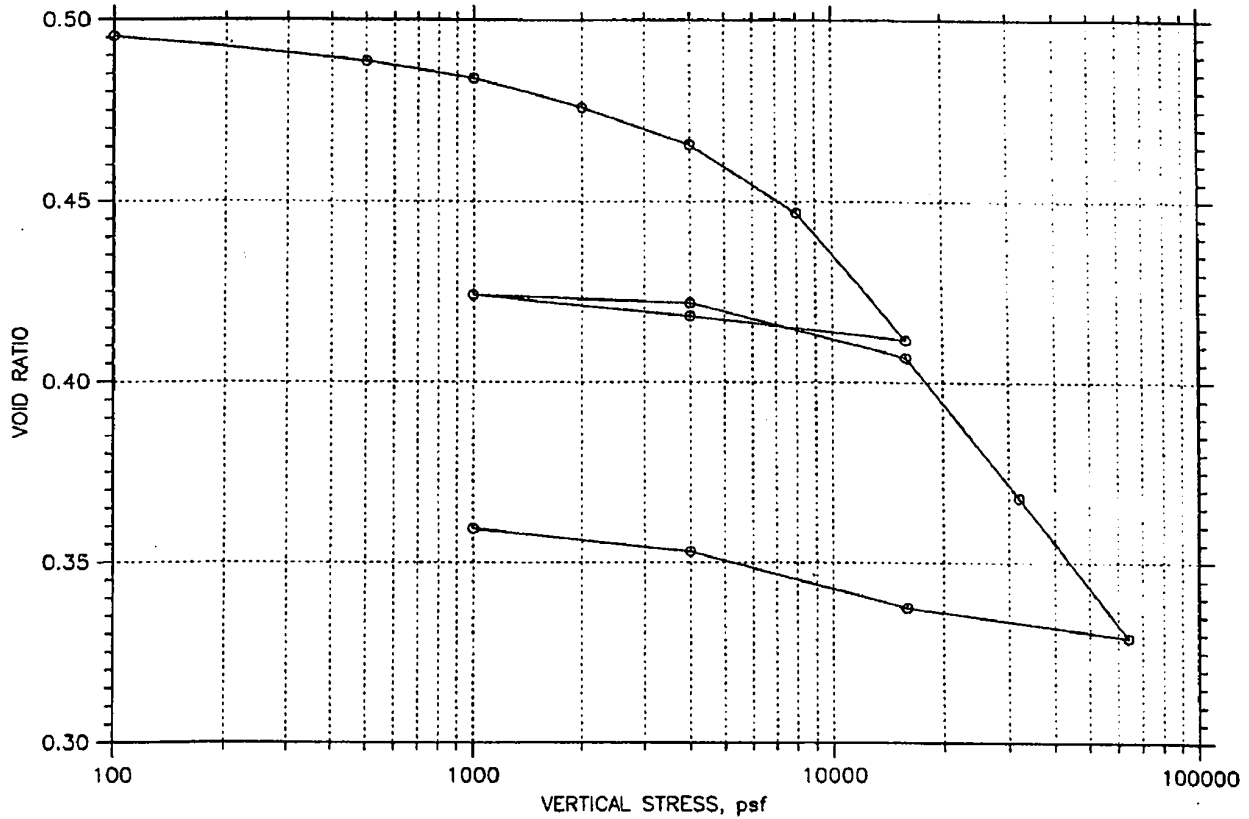
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 3900 psf				Water Content, %	15.35	13.53
Preconsolidation Pressure: 9000 psf				Dry Unit Weight, pcf	110.7	122.2
Compression Index: 0.136				Saturation, %	81.73	100.13
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.50	0.36
LL: 34	PL: 15	PI: 19	GS: 2.66			

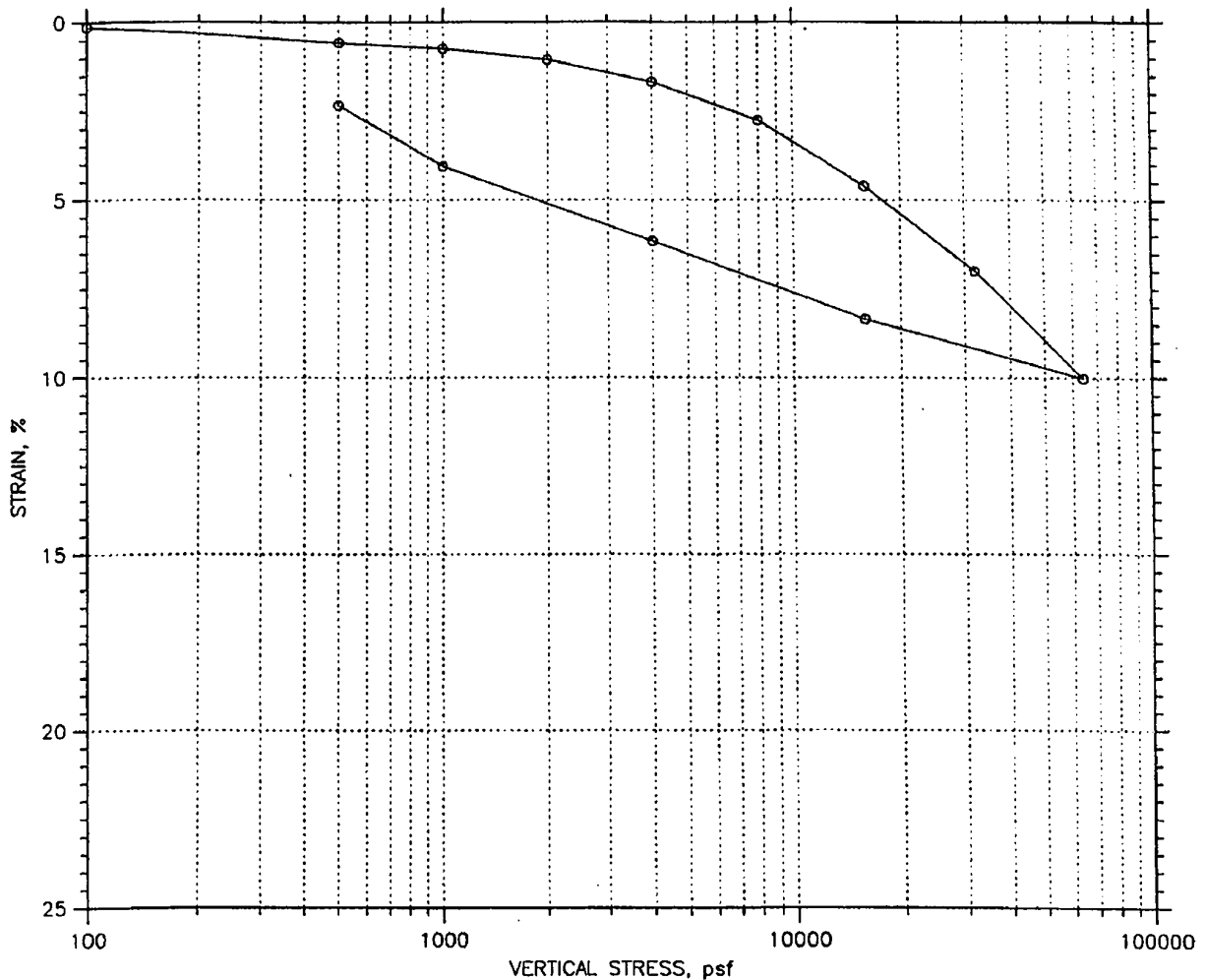
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	Boring No.: 2269UD	Tested By: HJ	Checked By: JW <i>JW</i>
	Sample No.: UD-3	Test Date: 1/18/08	Depth: 30-32'
	Test No.: 8169	Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Very Pale Brown Sandy Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr= 0.003		

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-3	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-3	Test Date: 1/18/08	Depth: 30-32'
	Test No.: 8169	Sample Type: Undisturbed	Elevation: N/A
	Description: Very Pale Brown Sandy Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.003		

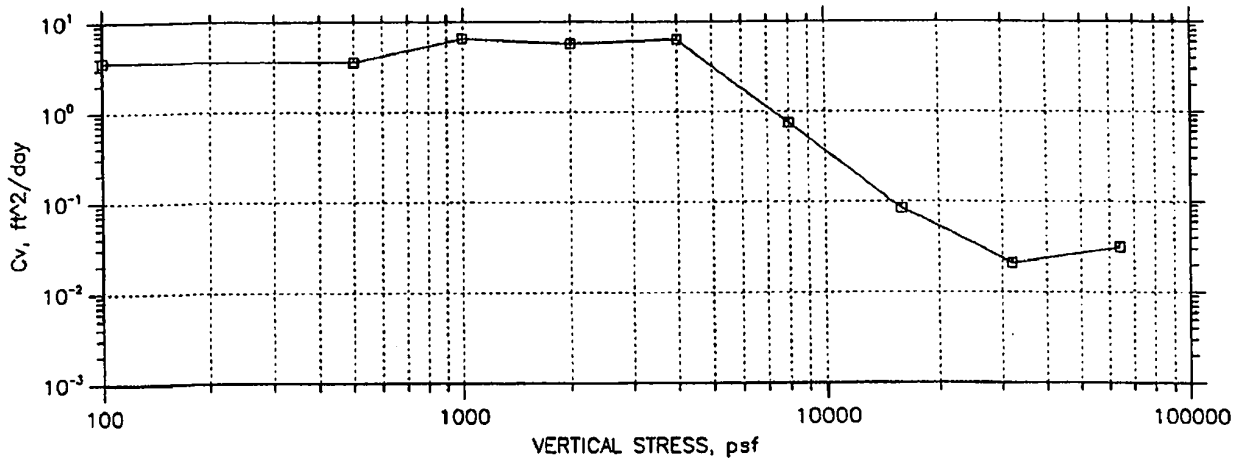
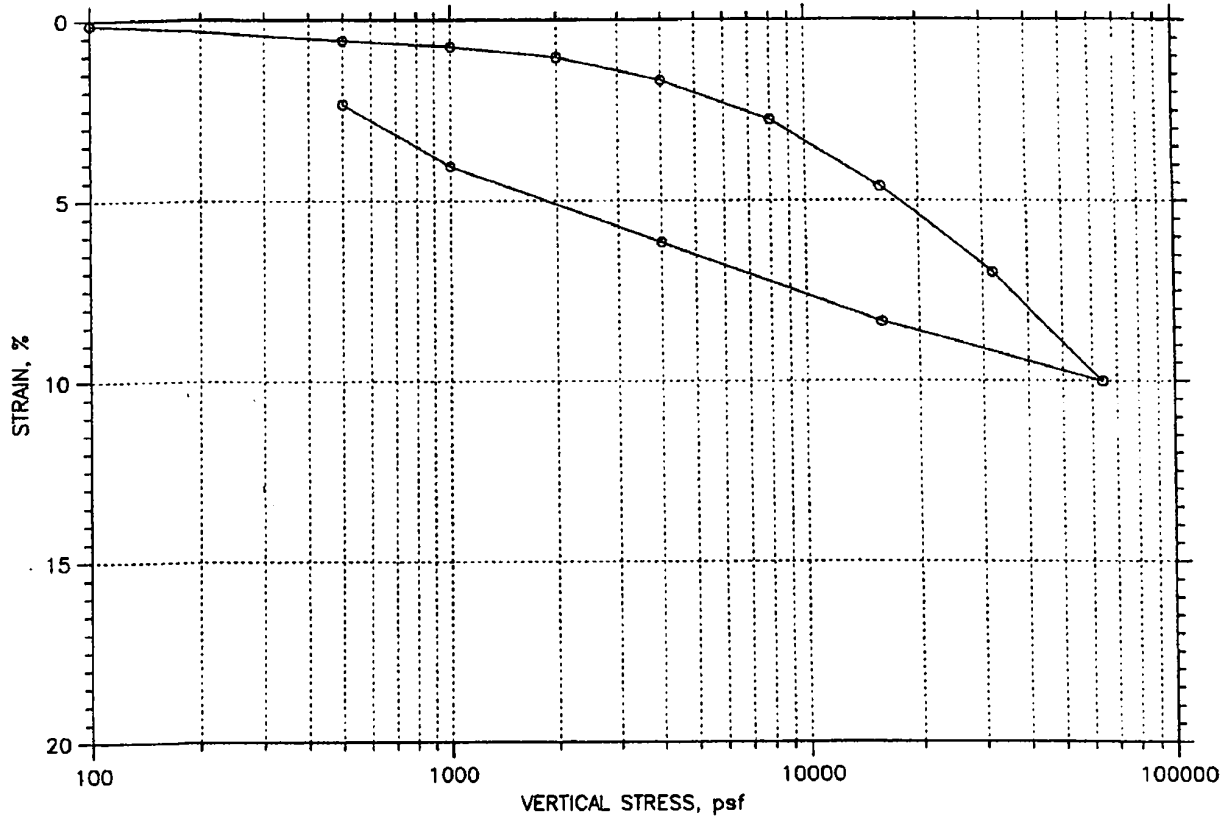
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 6300 psf				21.53	21.05
Preconsolidation Pressure: 1.37e+004 psf				104.9	107.4
Compression Index: 0.159				95.56	99.62
Diameter: 2.499 in		Height: 0.995 in		0.61	0.57
LL: 59	PL: 23	PI: 36	GS: 2.70		

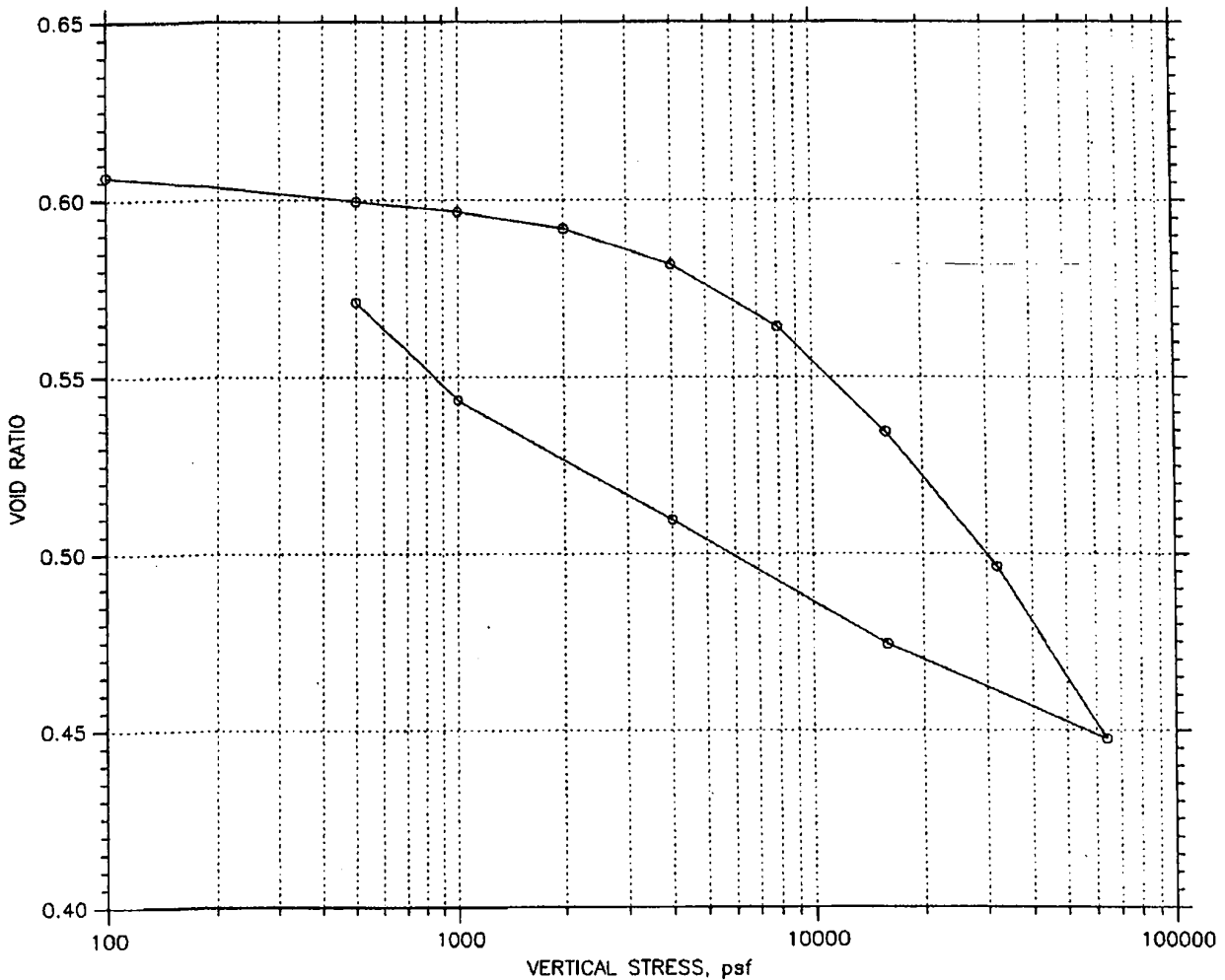
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	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-5		Test Date: 1/9/08	Depth: 50-51.7'
	Test No.: 8171		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.060

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2269UD UD-5	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-5	Test Date: 1/9/08	Depth: 50-51.7'
	Test No.: 8171	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.060

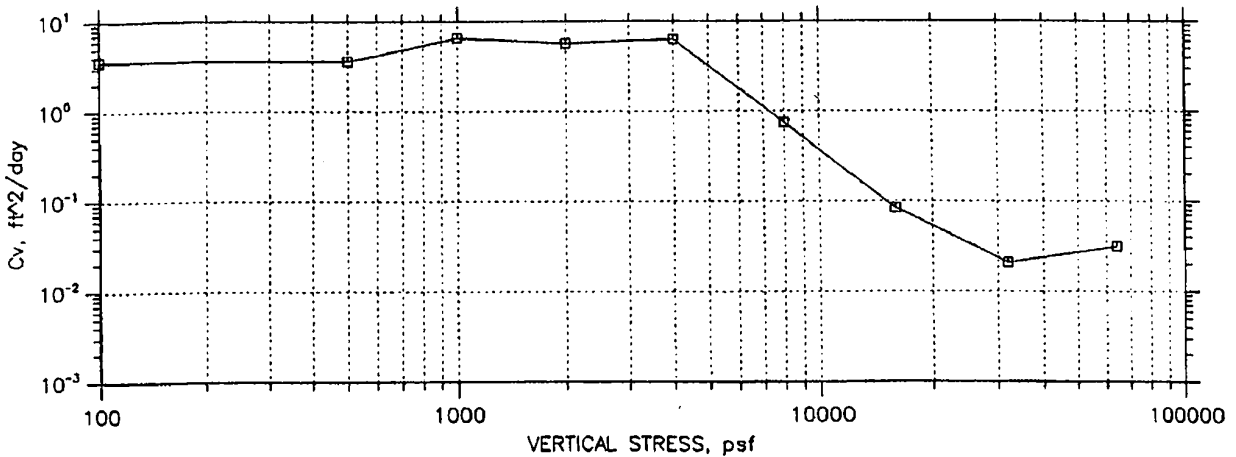
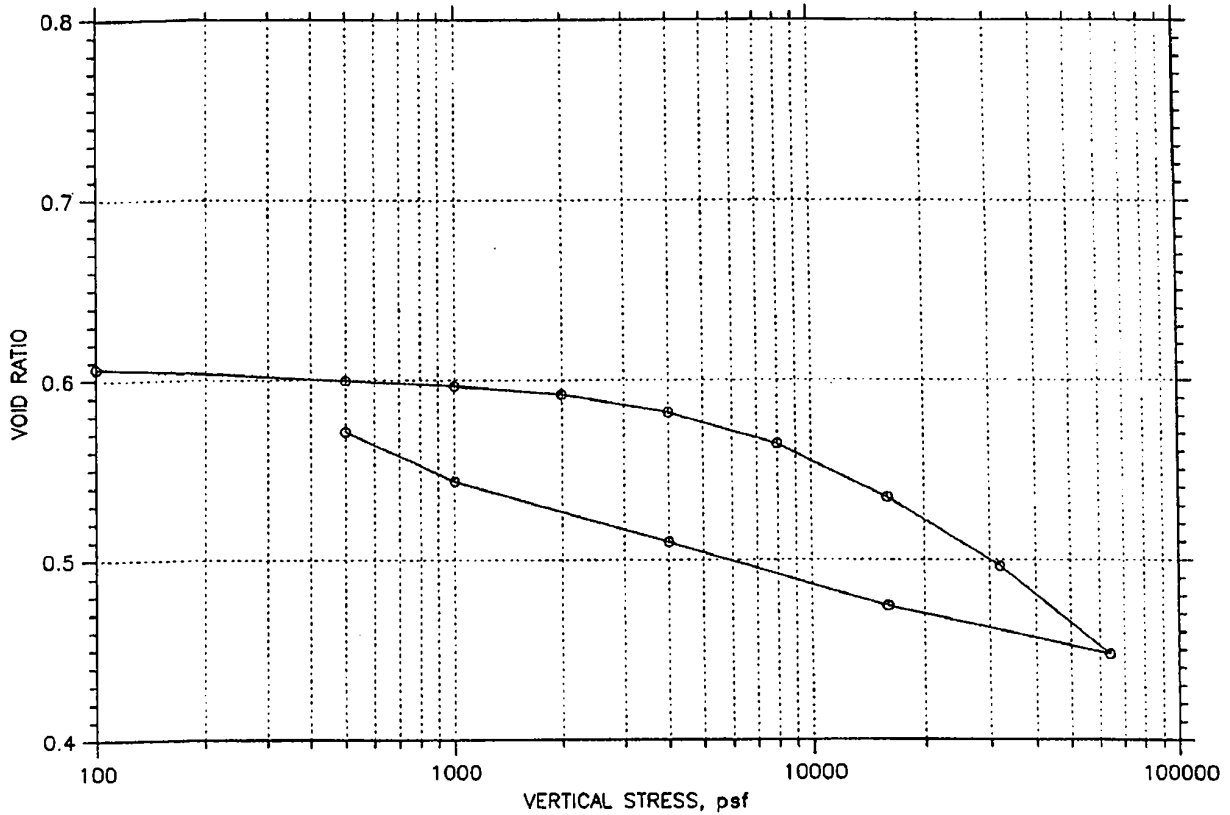
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 6300 psf				21.53	21.05
Preconsolidation Pressure: 1.37e+004 psf				104.9	107.4
Compression Index: 0.159				95.56	99.62
Diameter: 2.499 in		Height: 0.995 in		Void Ratio	
LL: 59		PL: 23		0.61	
PI: 36		GS: 2.70		0.57	

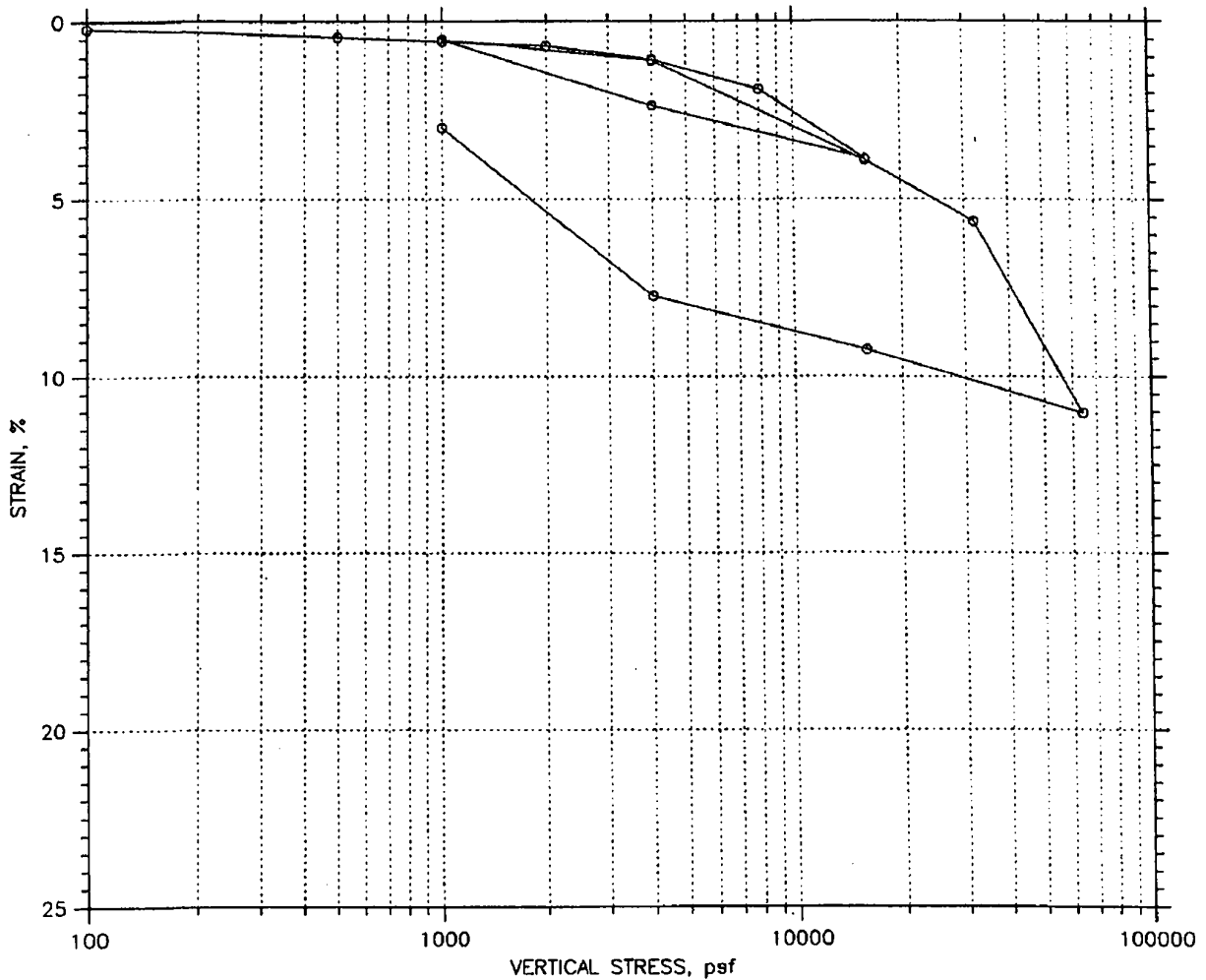
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	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-5		Test Date: 1/9/08	Depth: 50-51.7' <i>JW</i>
	Test No.: 8171		Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr= 0.060			

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-5	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-5	Test Date: 1/9/08	Depth: 50-51.7'
	Test No.: 8171	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.060		

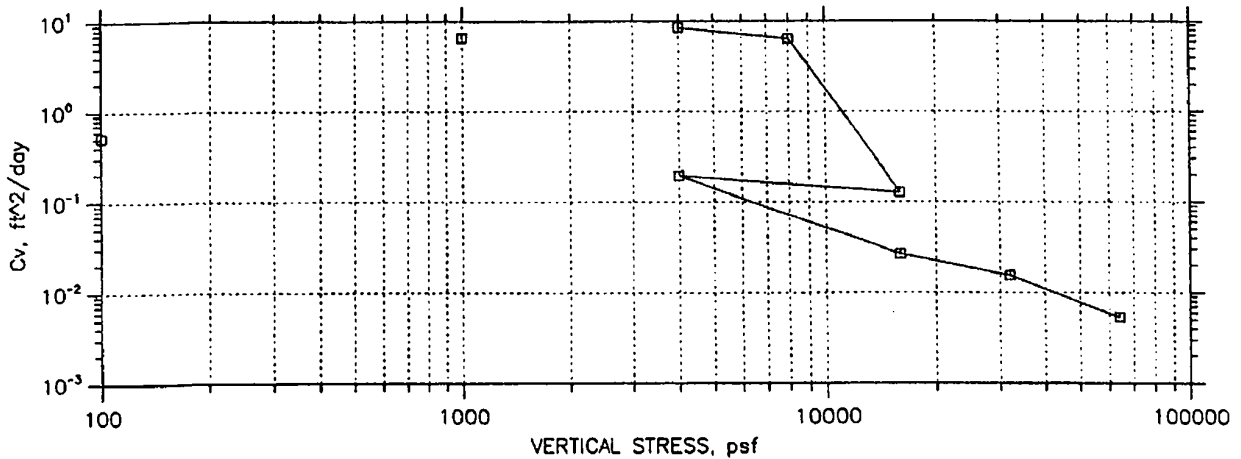
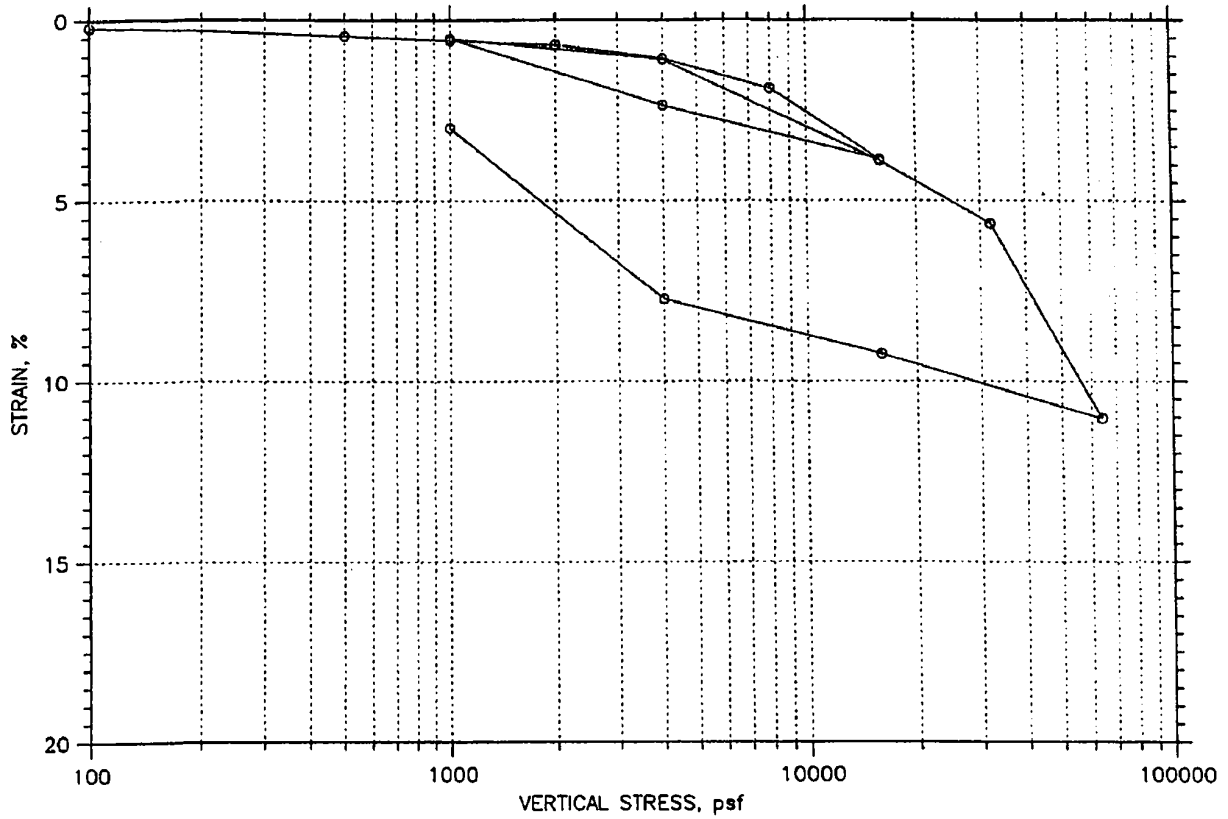
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 7600 psf				Water Content, %	36.55	35.26
Preconsolidation Pressure: 2.22e+004 psf				Dry Unit Weight, pcf	84.38	86.98
Compression Index: 0.362				Saturation, %	98.27	100.79
Diameter: 2.5 in		Height: 0.998 in		Void Ratio	1.01	0.95
LL: 74	PL: 30	PI: 44	GS: 2.72			

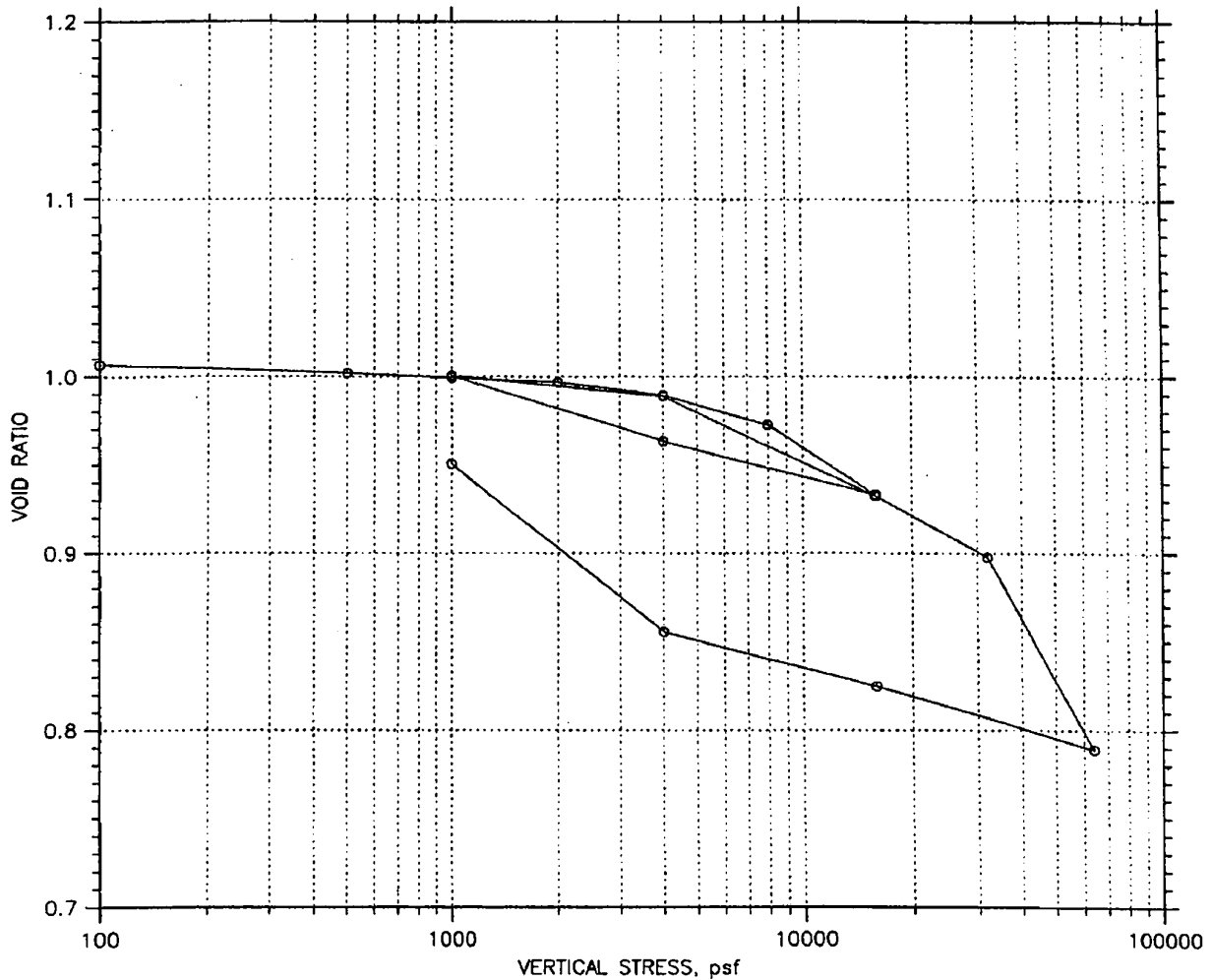
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	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-7		Test Date: 1/18/08	Depth: 70-71.7'
	Test No.: 8172		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.050

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-7	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-7	Test Date: 1/18/08	Depth: 70-71.7'
	Test No.: 8172	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.050		

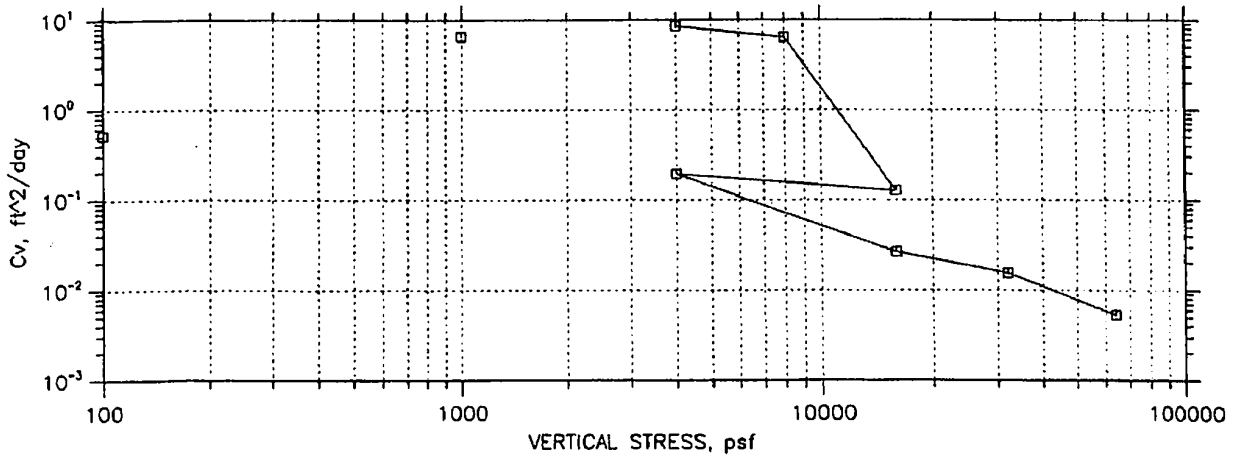
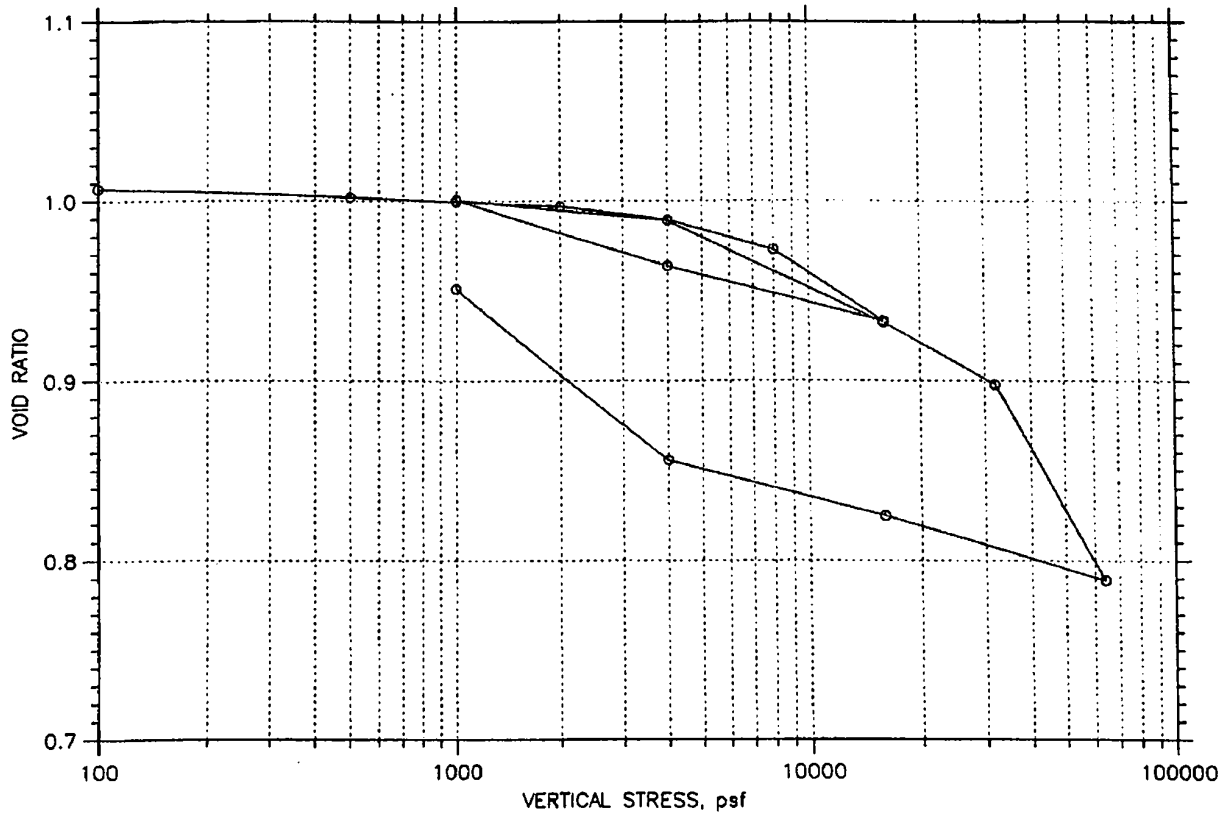
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 7600 psf				Water Content, %	36.55	35.26
Preconsolidation Pressure: 2.22e+004 psf				Dry Unit Weight, pcf	84.38	86.98
Compression Index: 0.362				Saturation, %	98.27	100.79
Diameter: 2.5 in		Height: 0.998 in		Void Ratio	1.01	0.95
LL: 74	PL: 30	PI: 44	GS: 2.72			

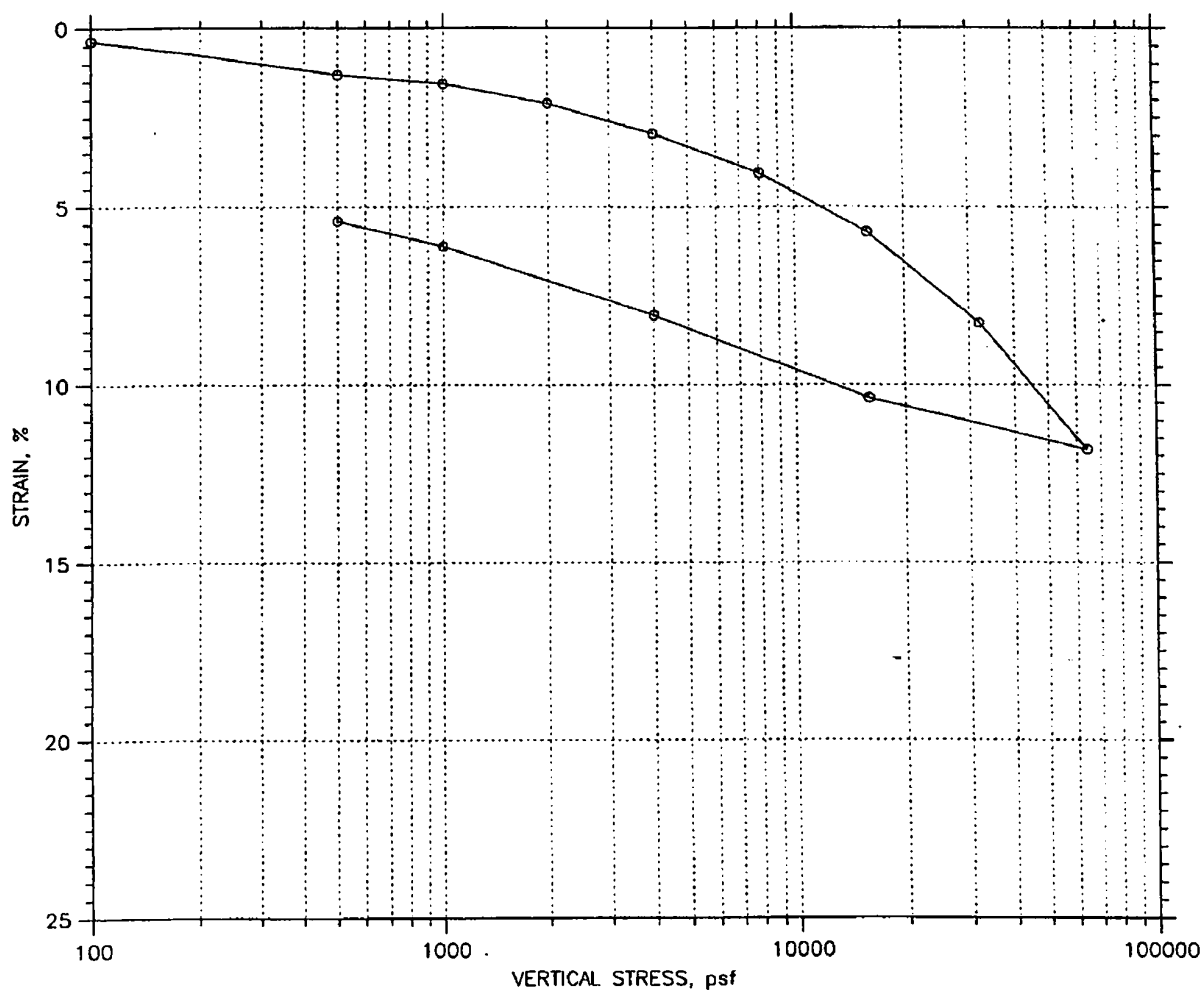
	Project: Exelon Texas COL Victoria		Location: 2269UD UD-7	Project No.: 6468071777
	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-7		Test Date: 1/18/08	Depth: 70-71.7'
	Test No.: 8172		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr= 0.050

CONSOLIDATION TEST DATA SUMMARY REPORT



MAC TEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-7	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-7	Test Date: 1/18/08	Depth: 70-71.7'
	Test No.: 8172	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.050		

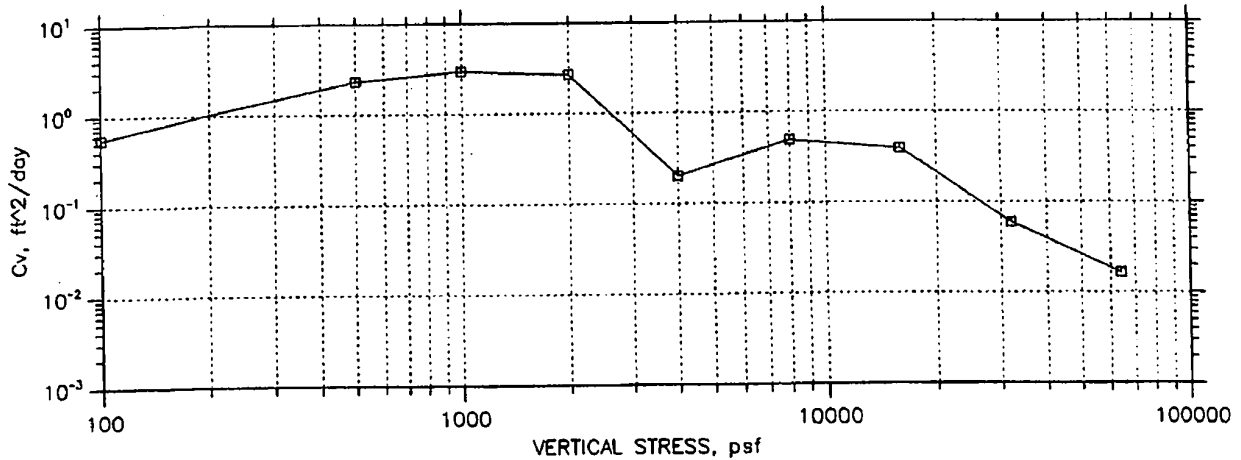
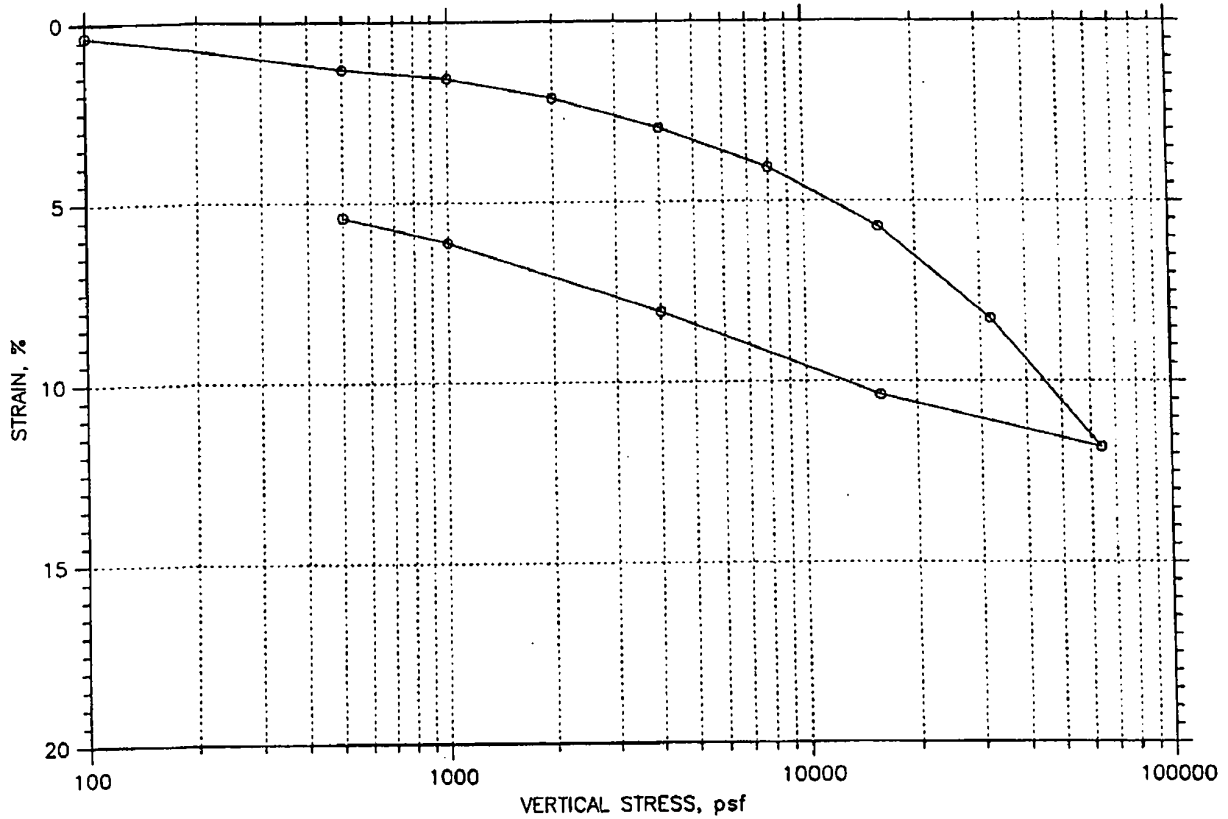
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 1.26e+004 psf				21.84	20.02
Preconsolidation Pressure: 2.32e+004 psf				103.7	109.7
Compression Index: 0.193				94.49	100.85
Diameter: 2.5 in		Height: 0.997 in		0.62	0.54
LL: 50	PL: 22	PI: 28	GS: 2.70		

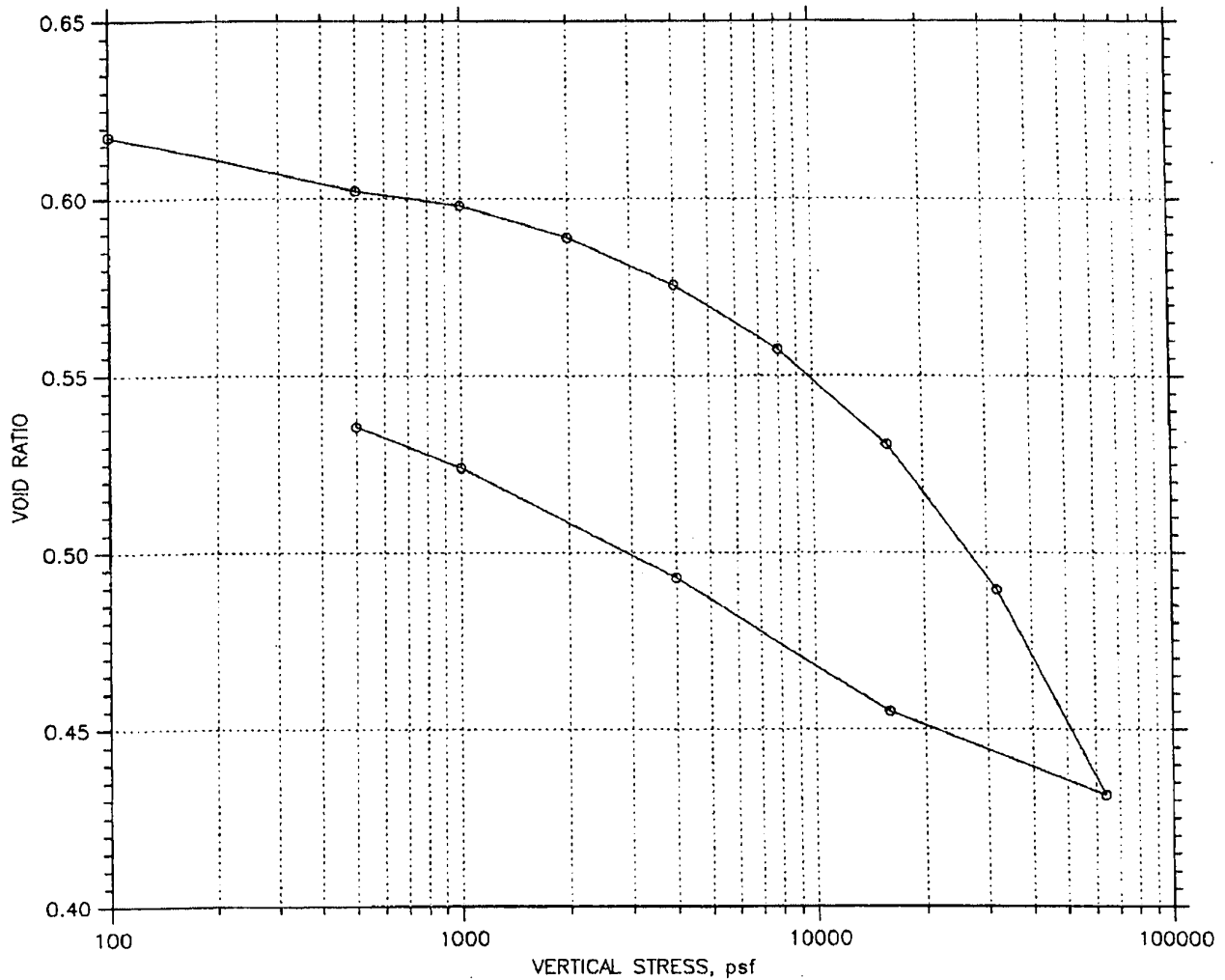
	Project: Exelon Texas COL Victoria	Location: 2269UD UD-11	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-11	Test Date: 1/9/08	Depth: 150-151.7'
	Test No.: 8175	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr= 0.063

CONSOLIDATION TEST DATA SUMMARY REPORT



IMACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-11	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-11	Test Date: 1/9/08	Depth: 150-151.7'
	Test No.: 8175	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.063

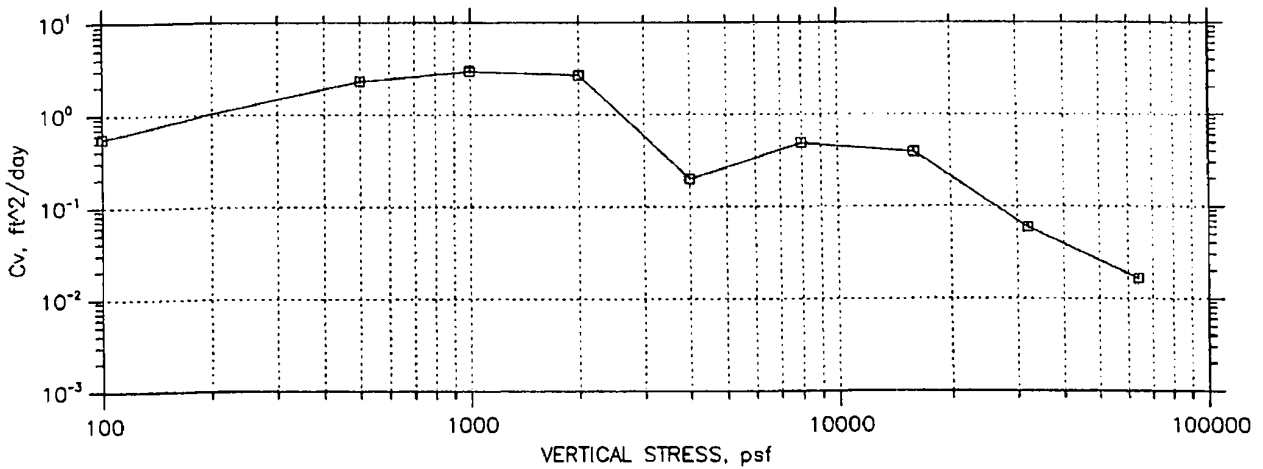
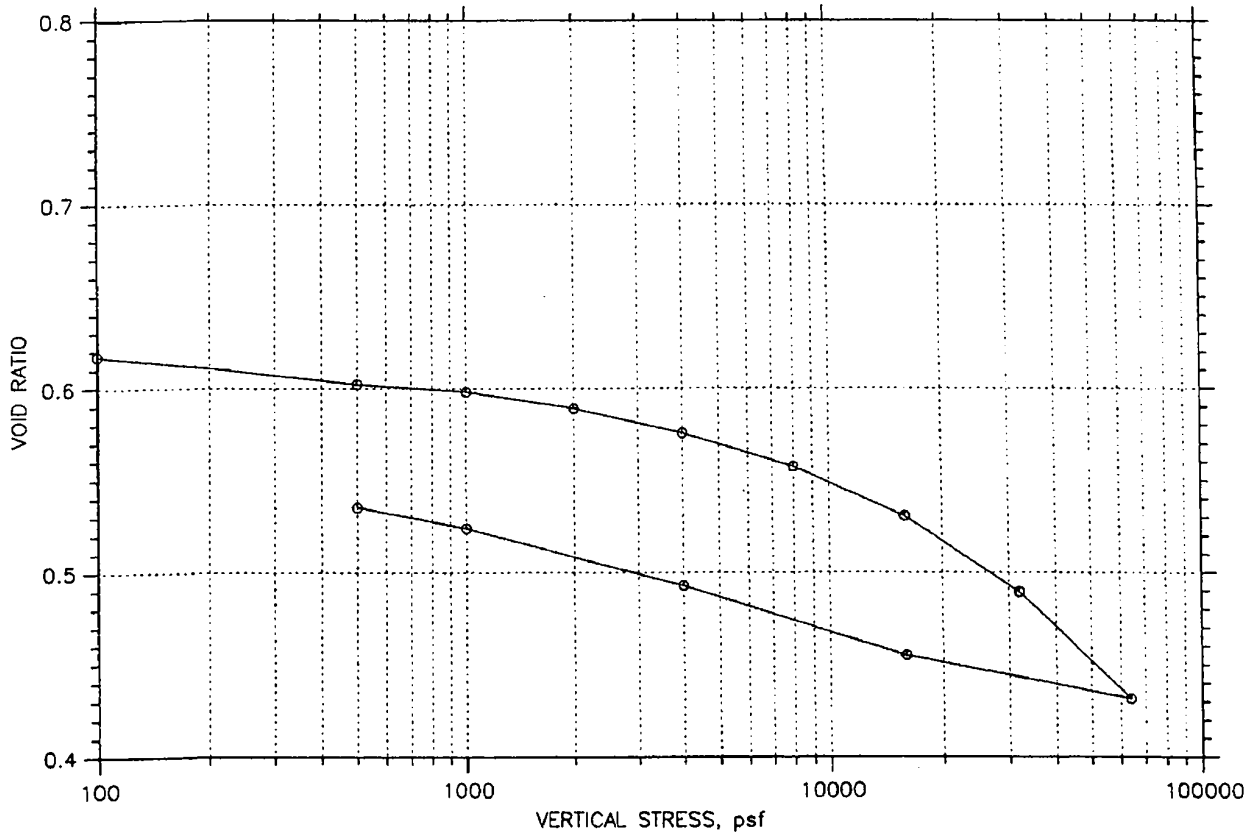
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 1.26e+004 psf		Water Content, %		21.84	20.02
Preconsolidation Pressure: 2.32e+004 psf		Dry Unit Weight, pcf		103.7	109.7
Compression Index: 0.193		Saturation, %		94.49	100.85
Diameter: 2.5 in	Height: 0.997 in	Void Ratio		0.62	0.54
LL: 50	PL: 22	PI: 28	GS: 2.70		

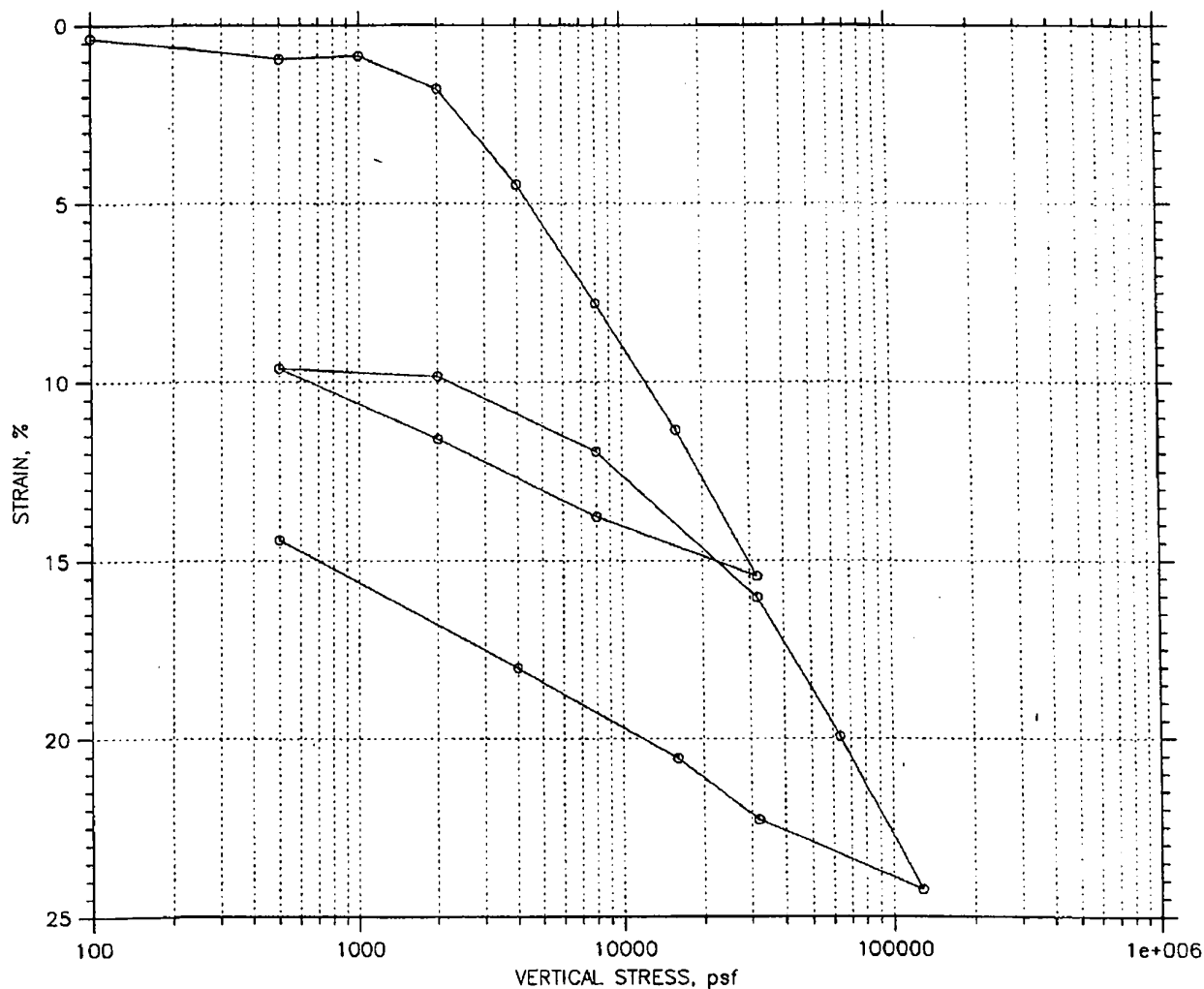
MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-11	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-11	Test Date: 1/9/08	Depth: 150-151.7'
	Test No.: 8175	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr= 0.063		

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-11	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW <i>JW</i>
	Sample No.: UD-11	Test Date: 1/9/08	Depth: 150-151.7'
	Test No.: 8175	Sample Type: Undisturbed	Elevation: N/A <i>2/19/08</i>
	Description: Light Gray Mottled Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.063

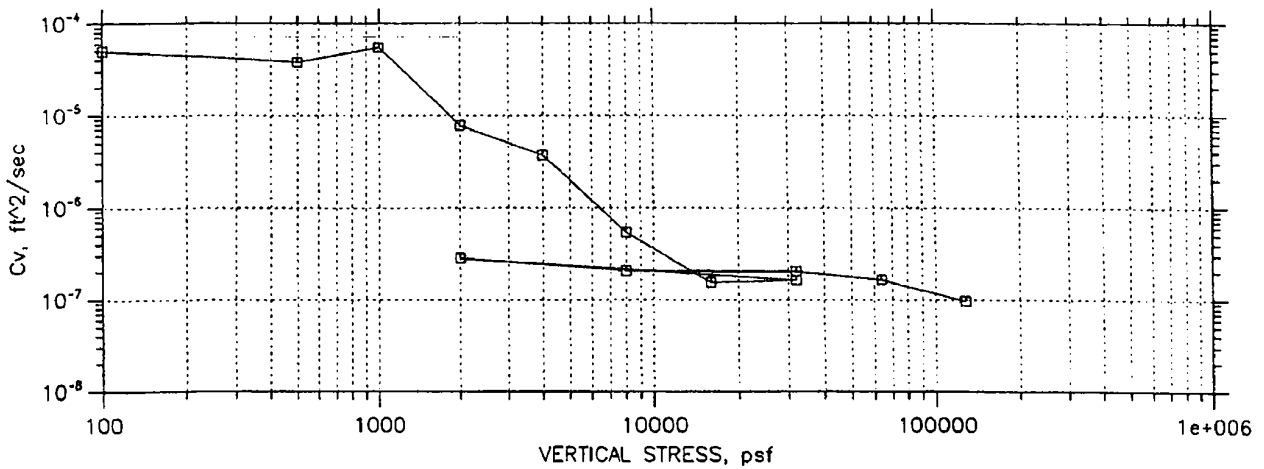
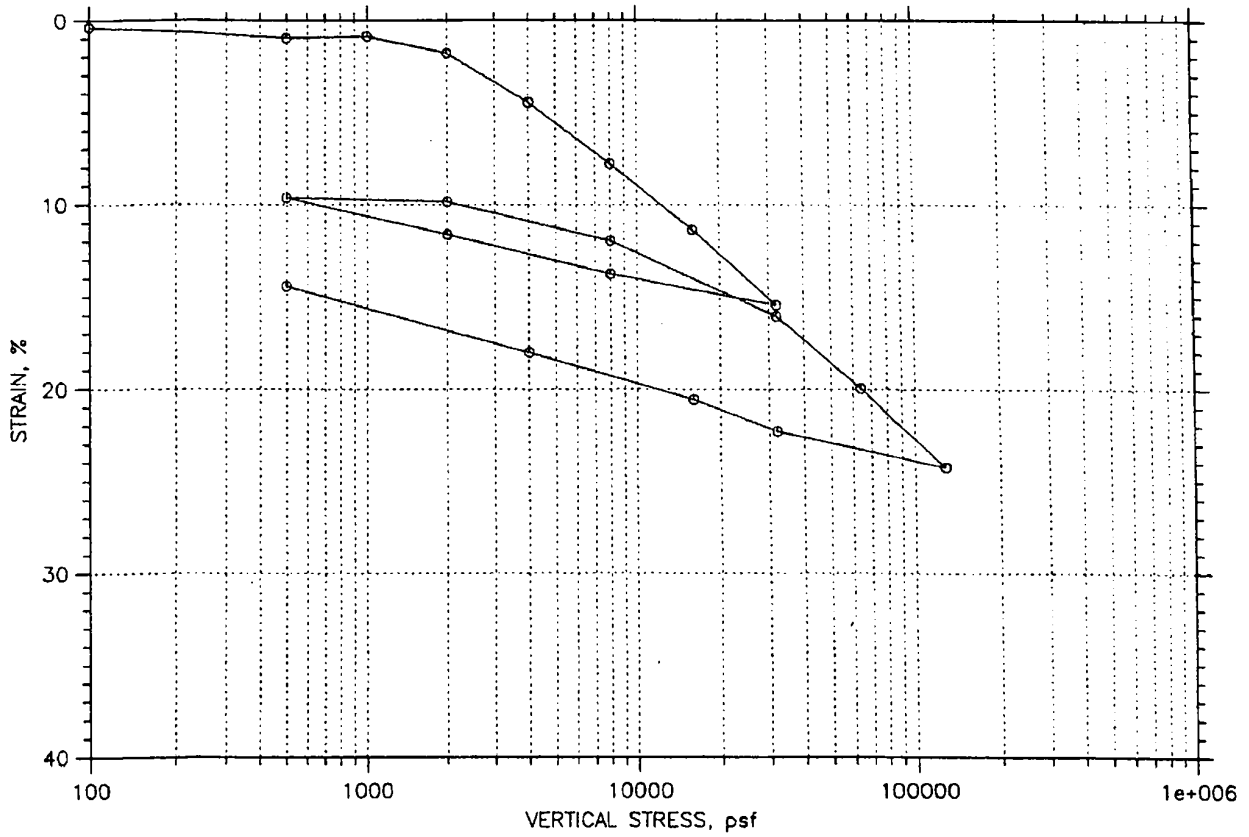
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.82e+004 psf				Water Content, %	32.85	26.26
Preconsolidation Pressure: 2.82e+004 psf				Dry Unit Weight, pcf	85.68	100.1
Compression Index: 0.289				Saturation, %	89.29	99.94
Diameter: 2.499 in		Height: 0.9993 in		Void Ratio	1.02	0.73
LL: 63	PL: 20	PI: 43	GS: 2.77			

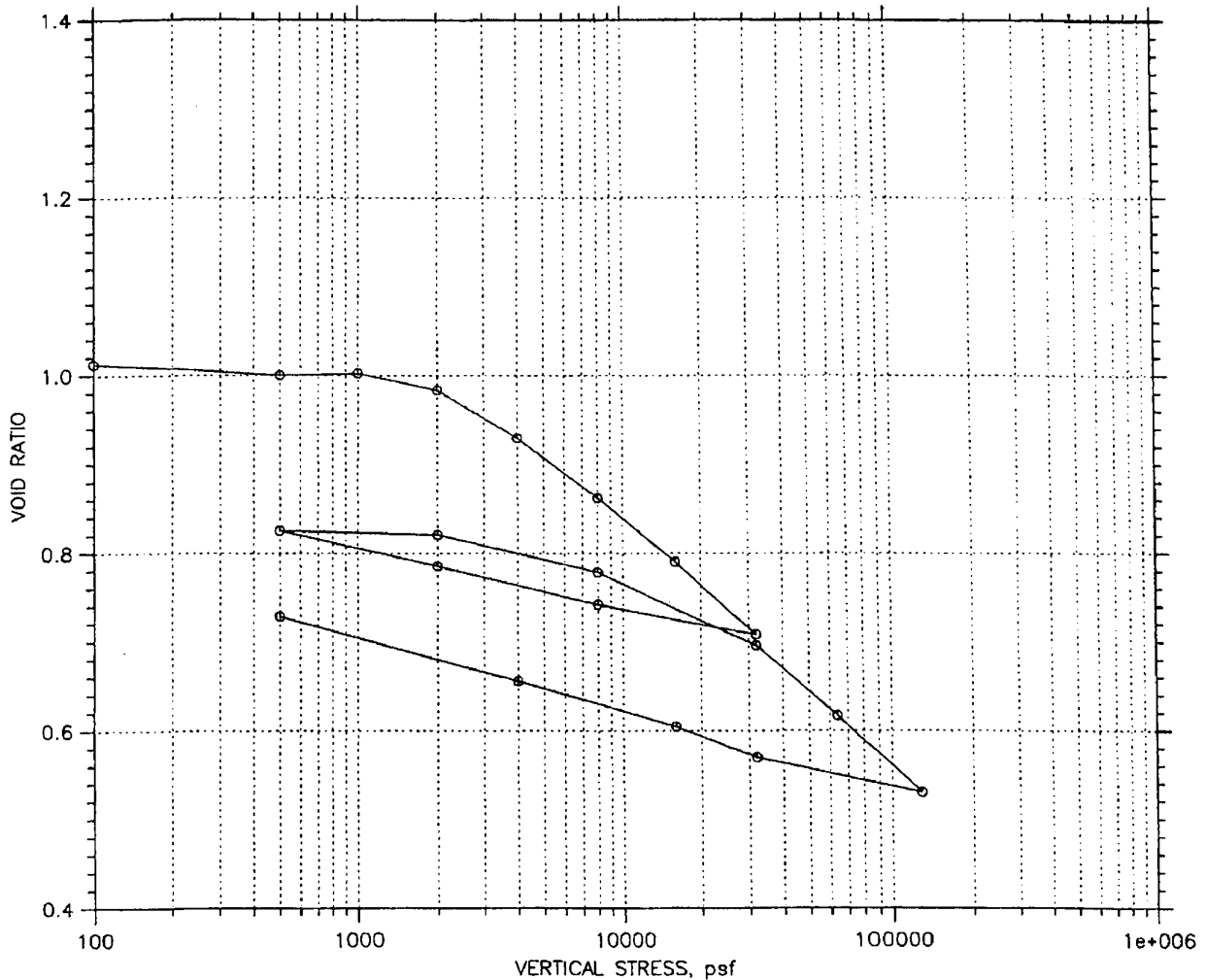
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	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-20		Test Date: 1/18/08	Depth: 400-402.1'
	Test No.: 8253		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr= 0.056			

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2269UD UD-20	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-20	Test Date: 1/18/08	Depth: 400-402.1'
	Test No.: 8253	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr= 0.056		

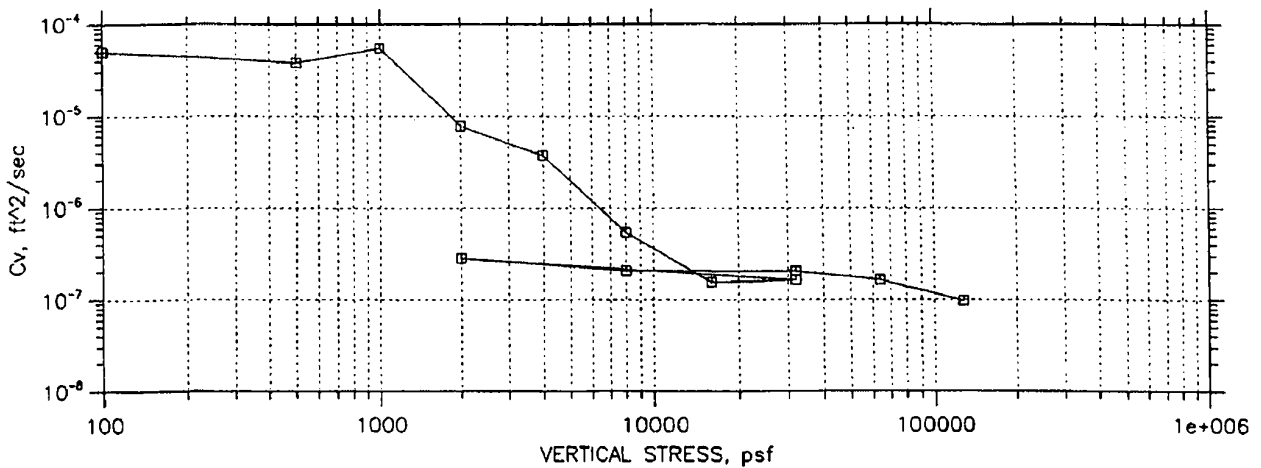
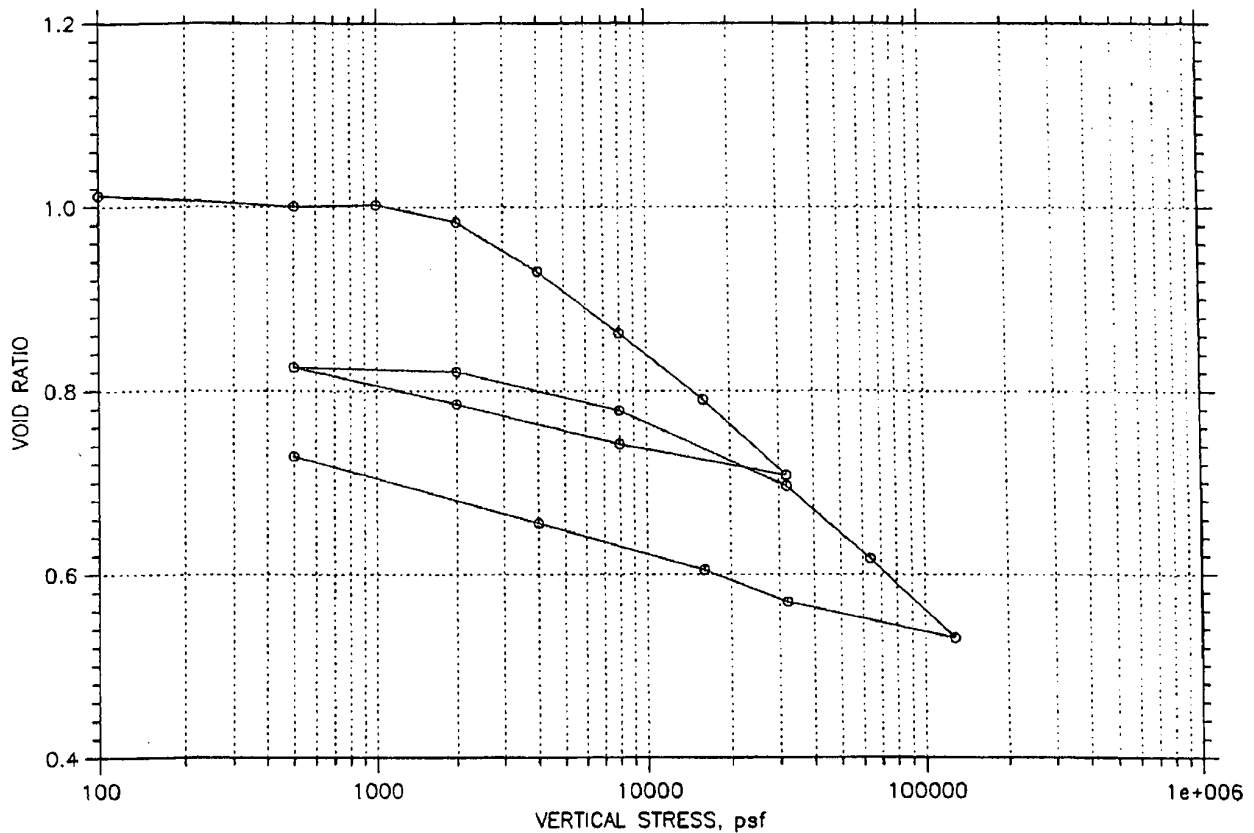
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 2.82e+004 psf		Water Content, %		32.85	26.26
Preconsolidation Pressure: 2.82e+004 psf		Dry Unit Weight, pcf		85.68	100.1
Compression Index: 0.289		Saturation, %		89.29	99.94
Diameter: 2.499 in	Height: 0.9993 in	Void Ratio		1.02	0.73
LL: 63	PL: 20	PI: 43	GS: 2.77		

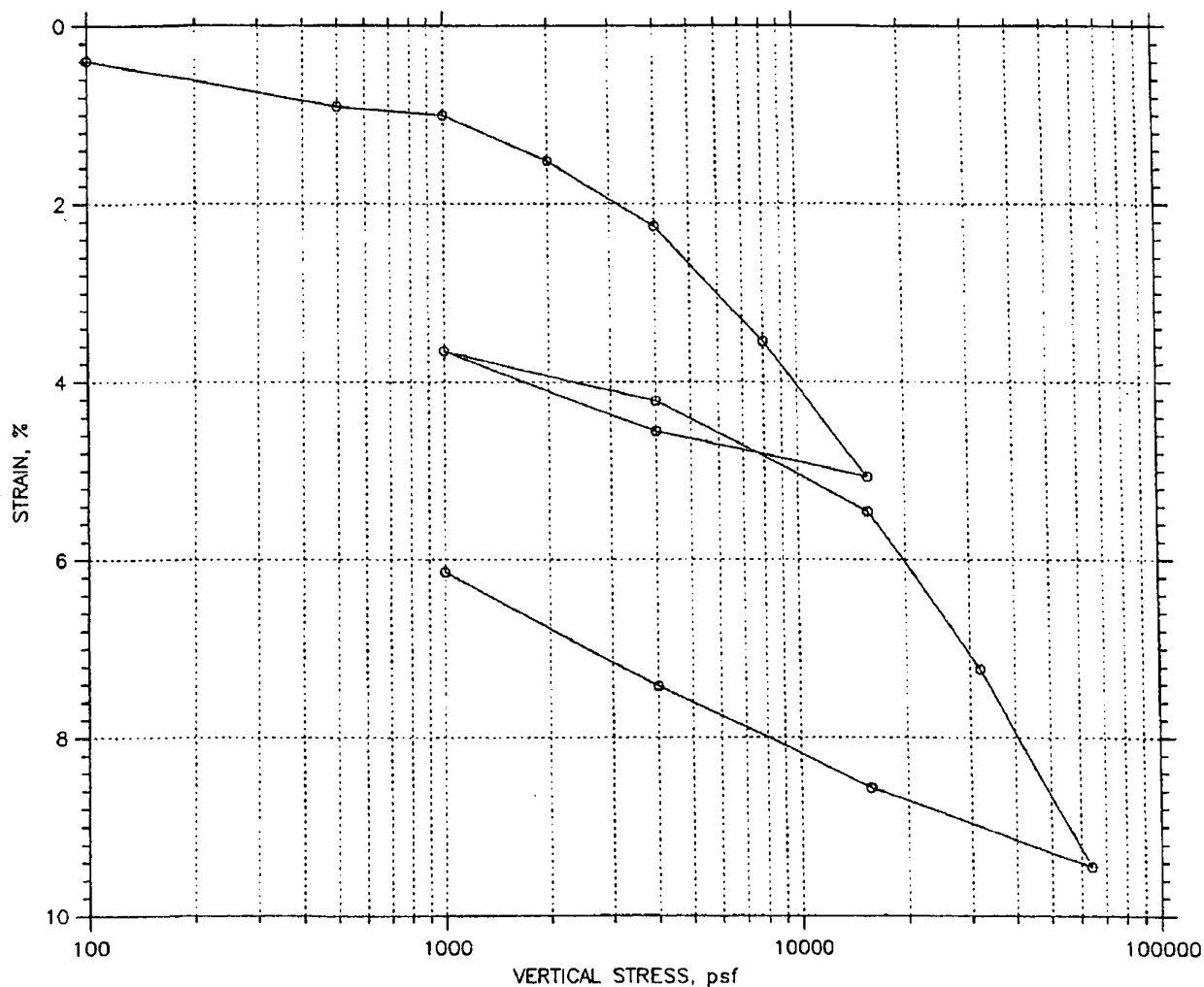
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	Boring No.: 2269UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-20		Test Date: 1/18/08	Depth: 400-402.1'
	Test No.: 8253		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			Cr= 0.056

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2269UD UD-20	Project No.: 6468071777
	Boring No.: 2269UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-20	Test Date: 1/18/08	Depth: 400-402.1'
	Test No.: 8253	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Mottled Brownish Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr= 0.056

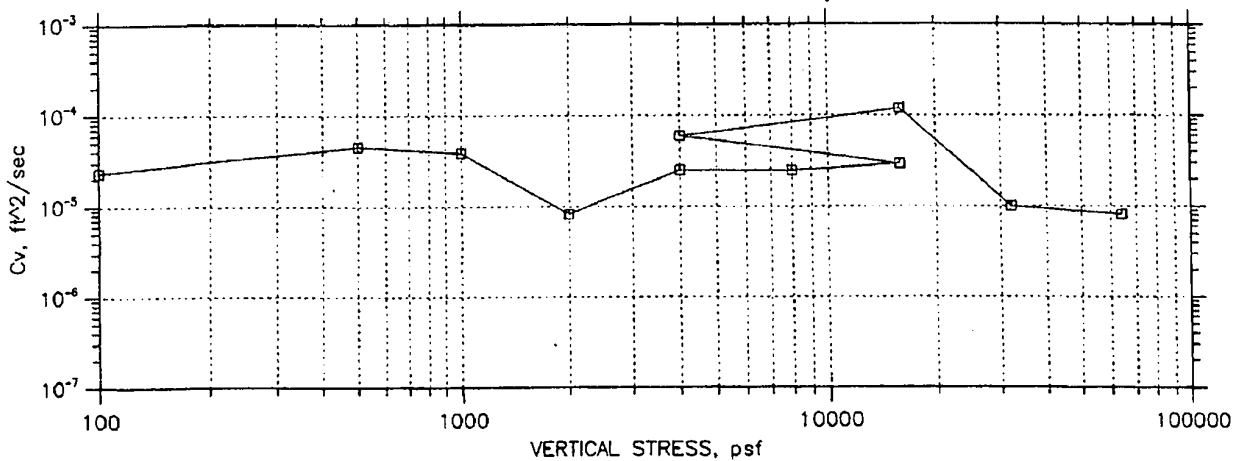
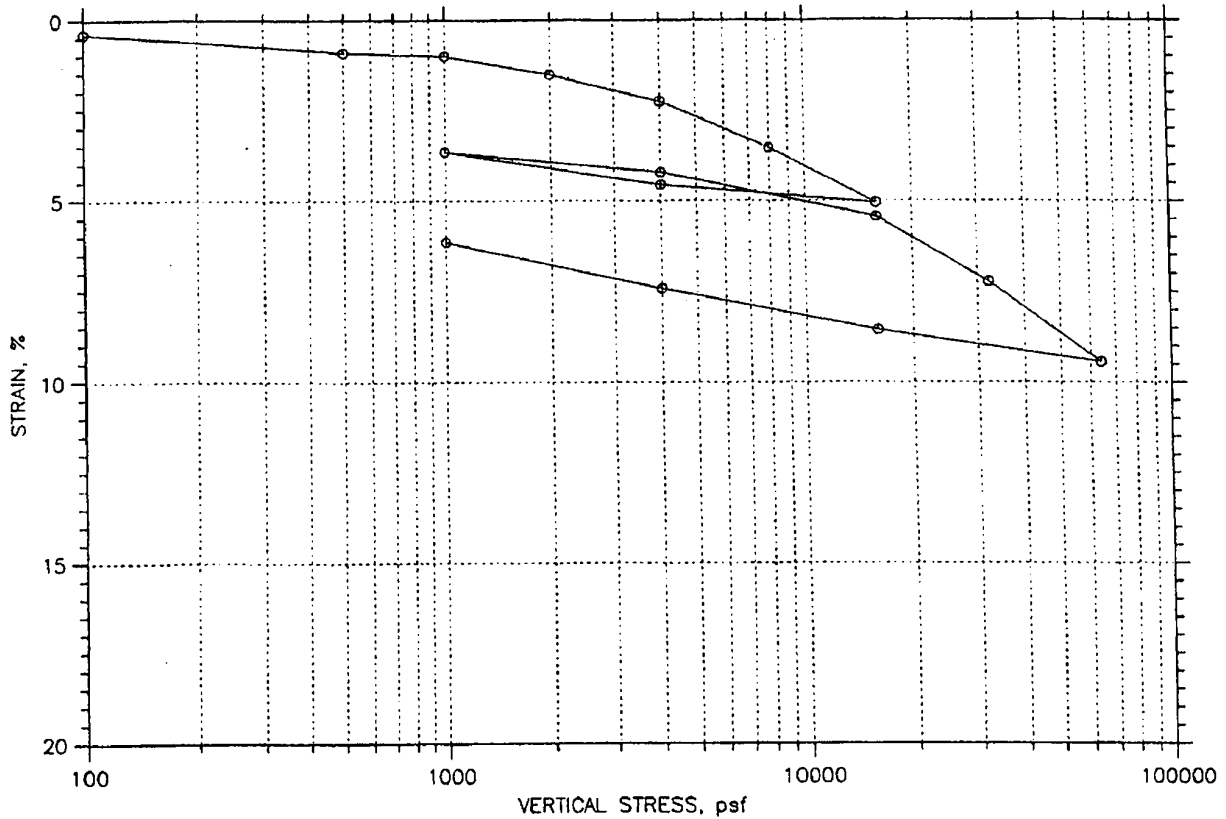
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 1400 psf				Water Content, %	16.44	15.01
Preconsolidation Pressure: 5800 psf				Dry Unit Weight, pcf	113.8	121.2
Compression Index: 0.11				Saturation, %	88.80	99.13
Diameter: 2.499 in		Height: 1.004 in		Void Ratio	0.51	0.42
LL: 33	PL: 15	PI: 18	GS: 2.75			

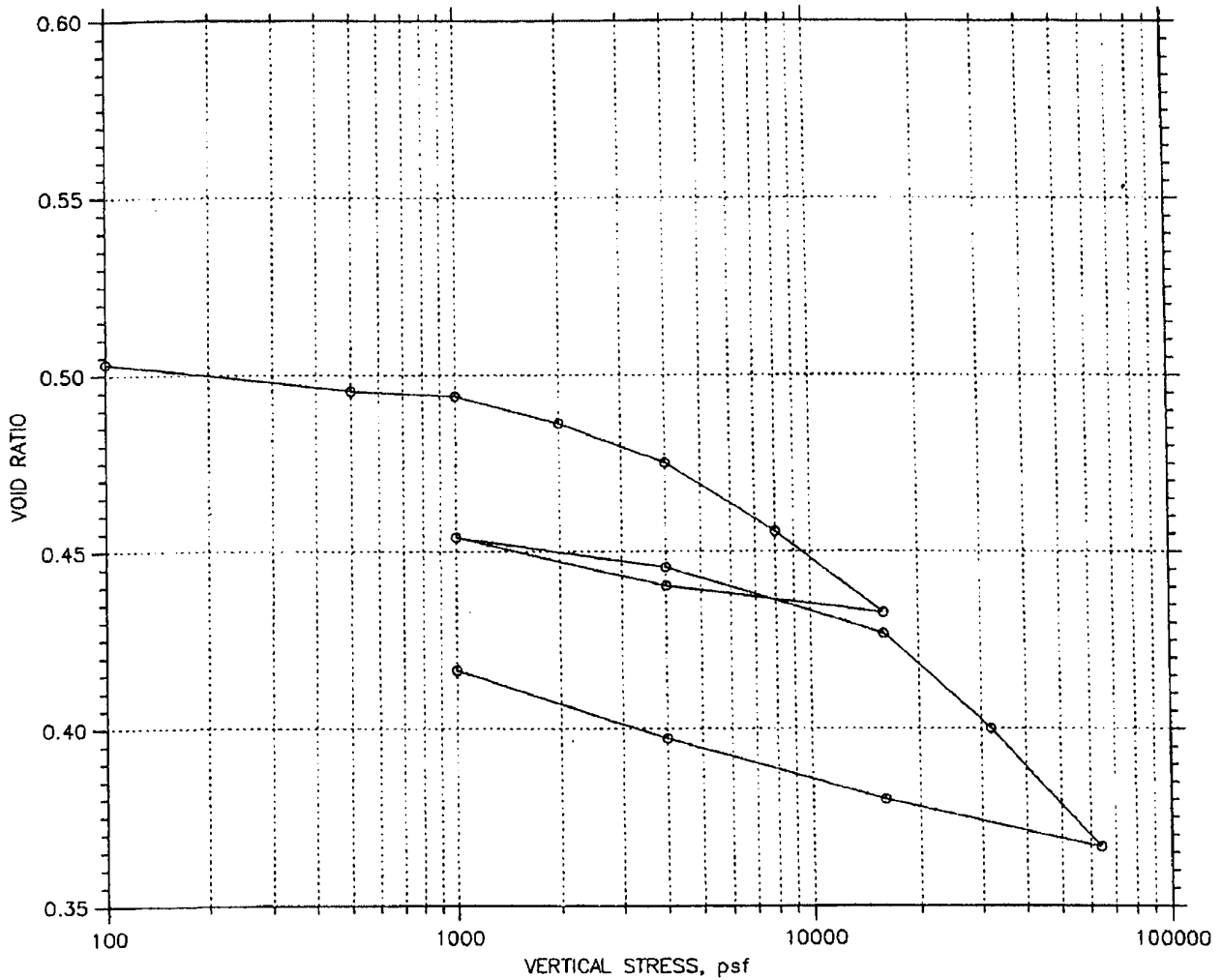
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-1	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-1		Test Date: 2/1/08	Depth: 10.2-11.9'
	Test No.: 8312		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Lean CLAY (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.013

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-1	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-1	Test Date: 2/1/08	Depth: 10.2-11.9'
	Test No.: 8312	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Lean CLAY (CL)		3/14/08
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr=0.013

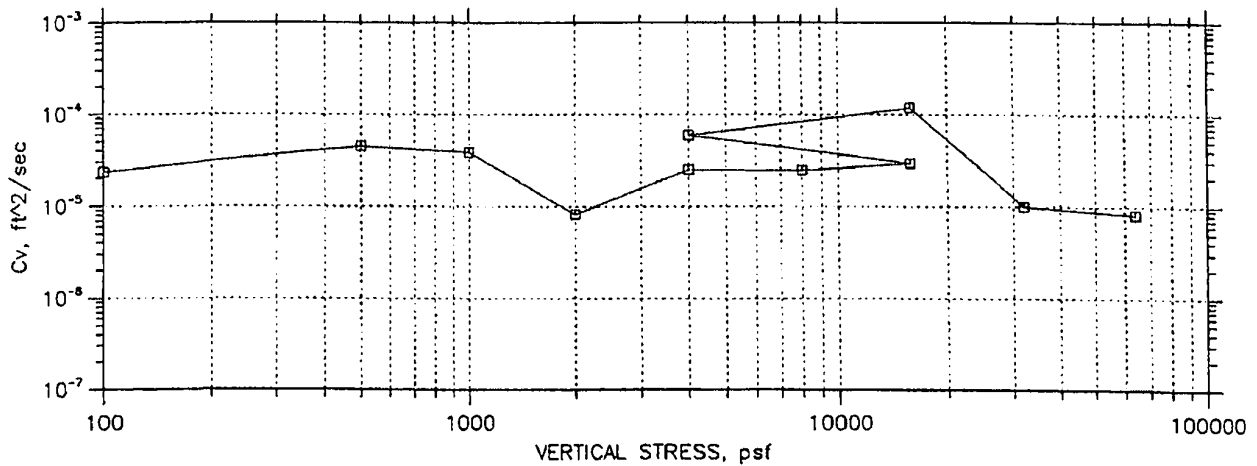
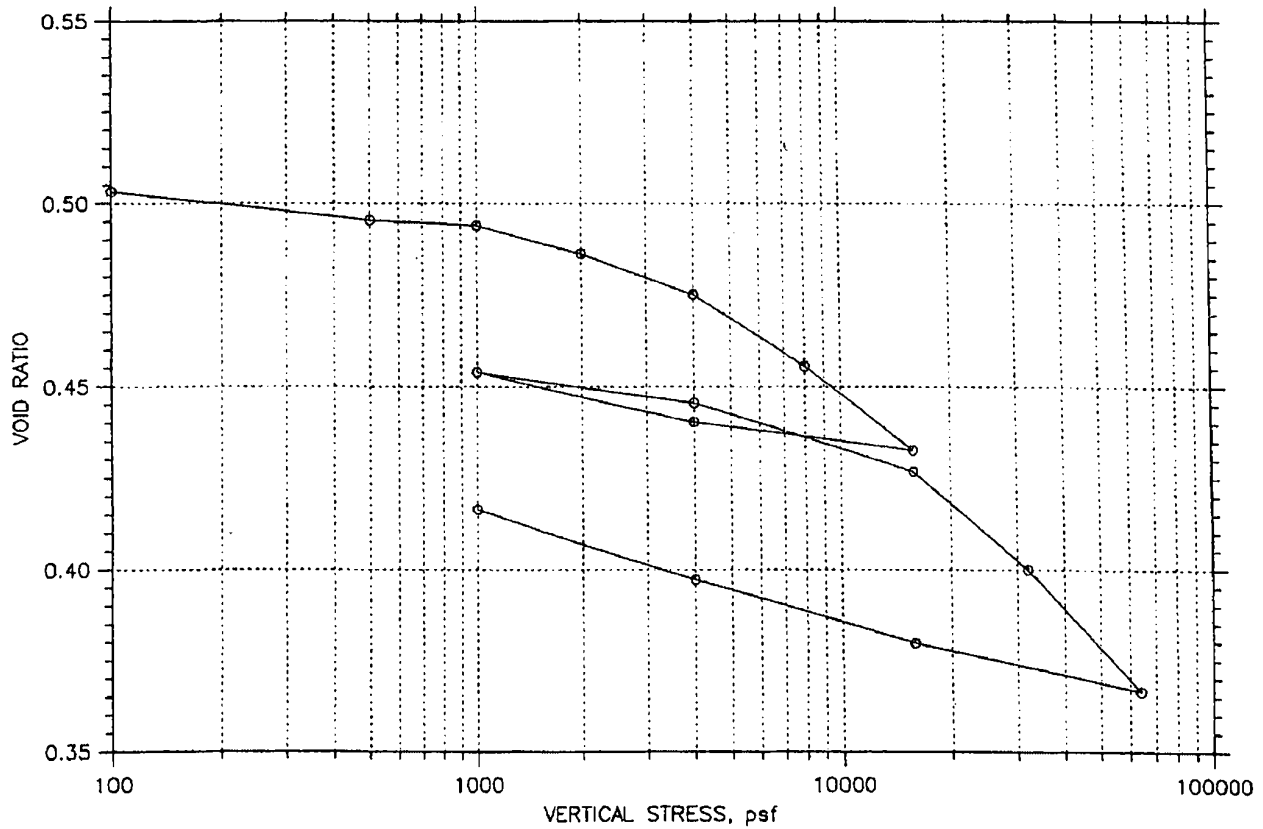
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 1400 psf				Water Content, %	16.44	15.01
Preconsolidation Pressure: 5800 psf				Dry Unit Weight, pcf	113.8	121.2
Compression Index: 0.11				Saturation, %	88.80	99.13
Diameter: 2.499 in		Height: 1.004 in		Void Ratio	0.51	0.42
LL: 33	PL: 15	PI: 18	GS: 2.75			.

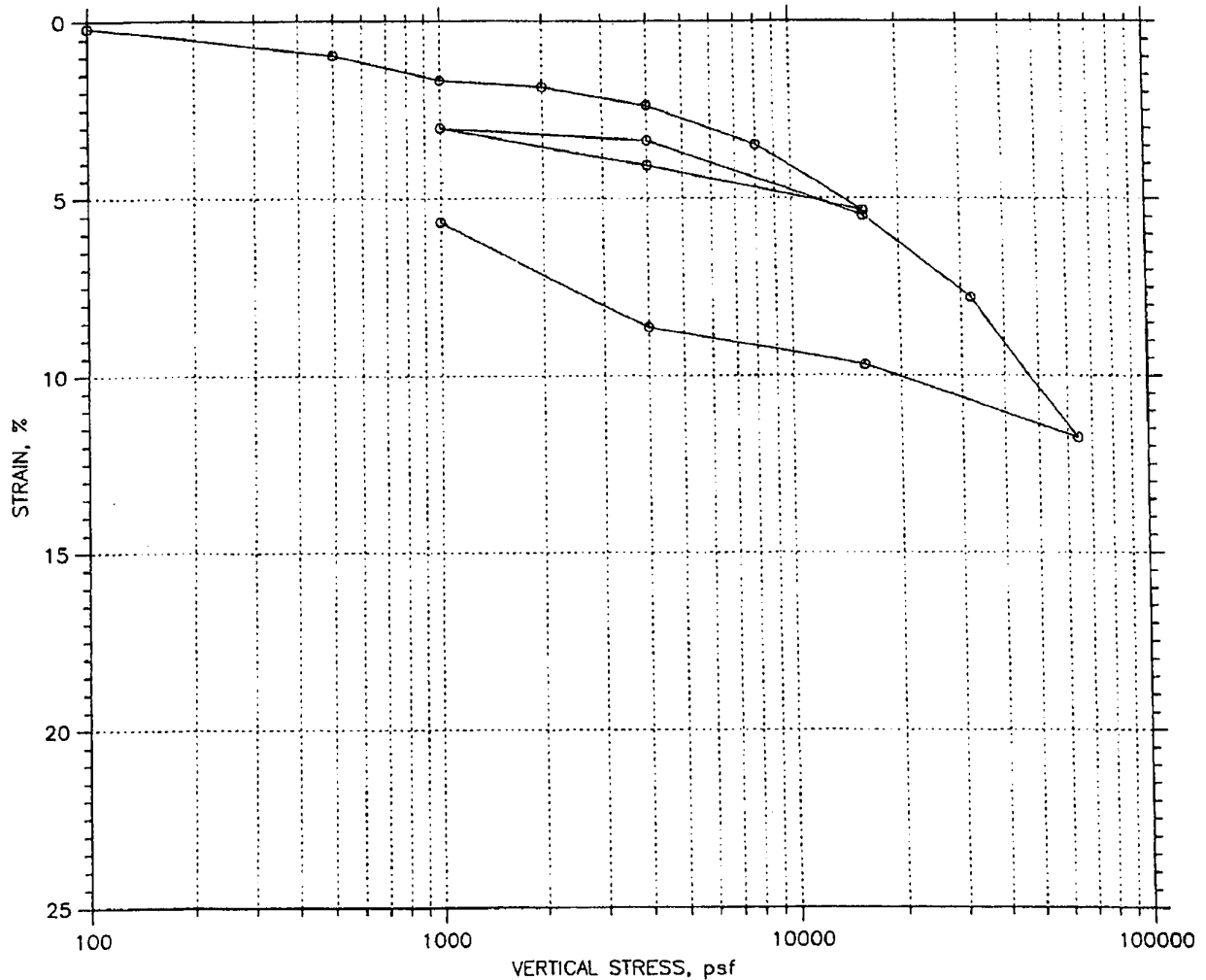
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	Boring No.: 2274UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-1		Test Date: 2/1/08	Depth: 10.2-11.9'
	Test No.: 8312		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Lean CLAY (CL)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.013

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-1	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-1	Test Date: 2/1/08	Depth: 10.2-11.9'
	Test No.: 8312	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Lean CLAY (CL)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr=0.013		

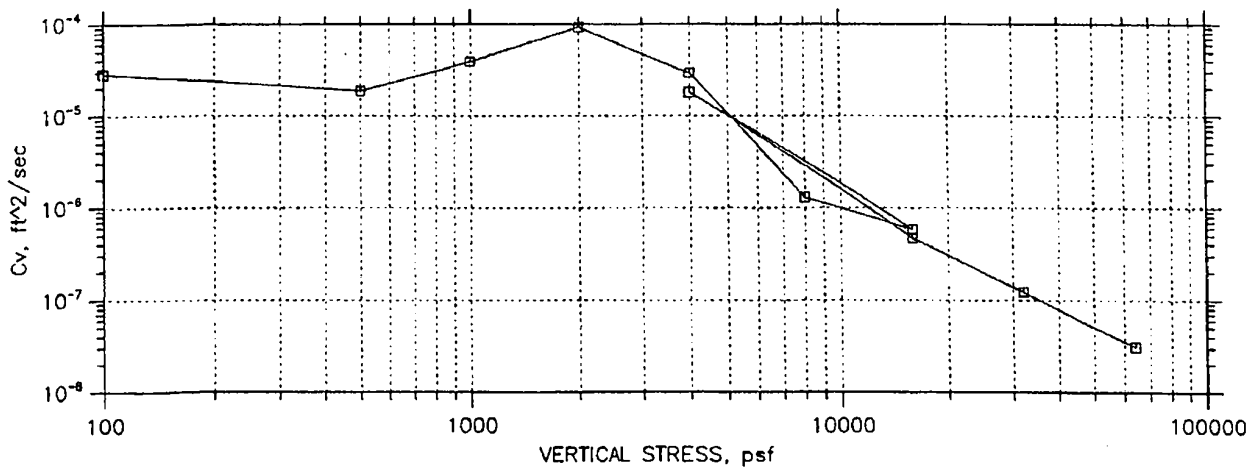
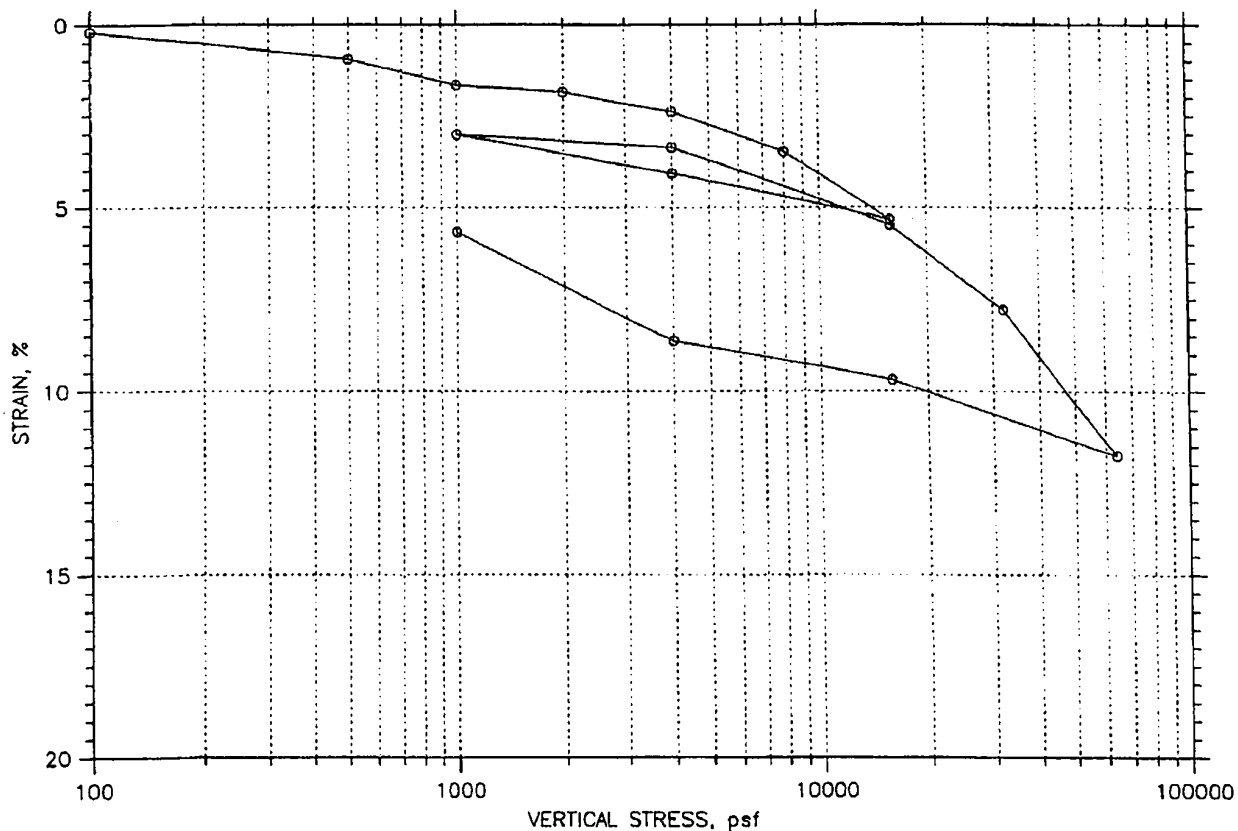
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 7400 psf				Water Content, %	32.60	29.98
Preconsolidation Pressure: 1.71e+004 psf				Dry Unit Weight, pcf	89.24	94.61
Compression Index: 0.252				Saturation, %	96.67	100.76
Diameter: 2.498 in		Height: 0.998 in		Void Ratio	0.93	0.82
LL: 79	PL: 33	PI: 46	GS: 2.76			

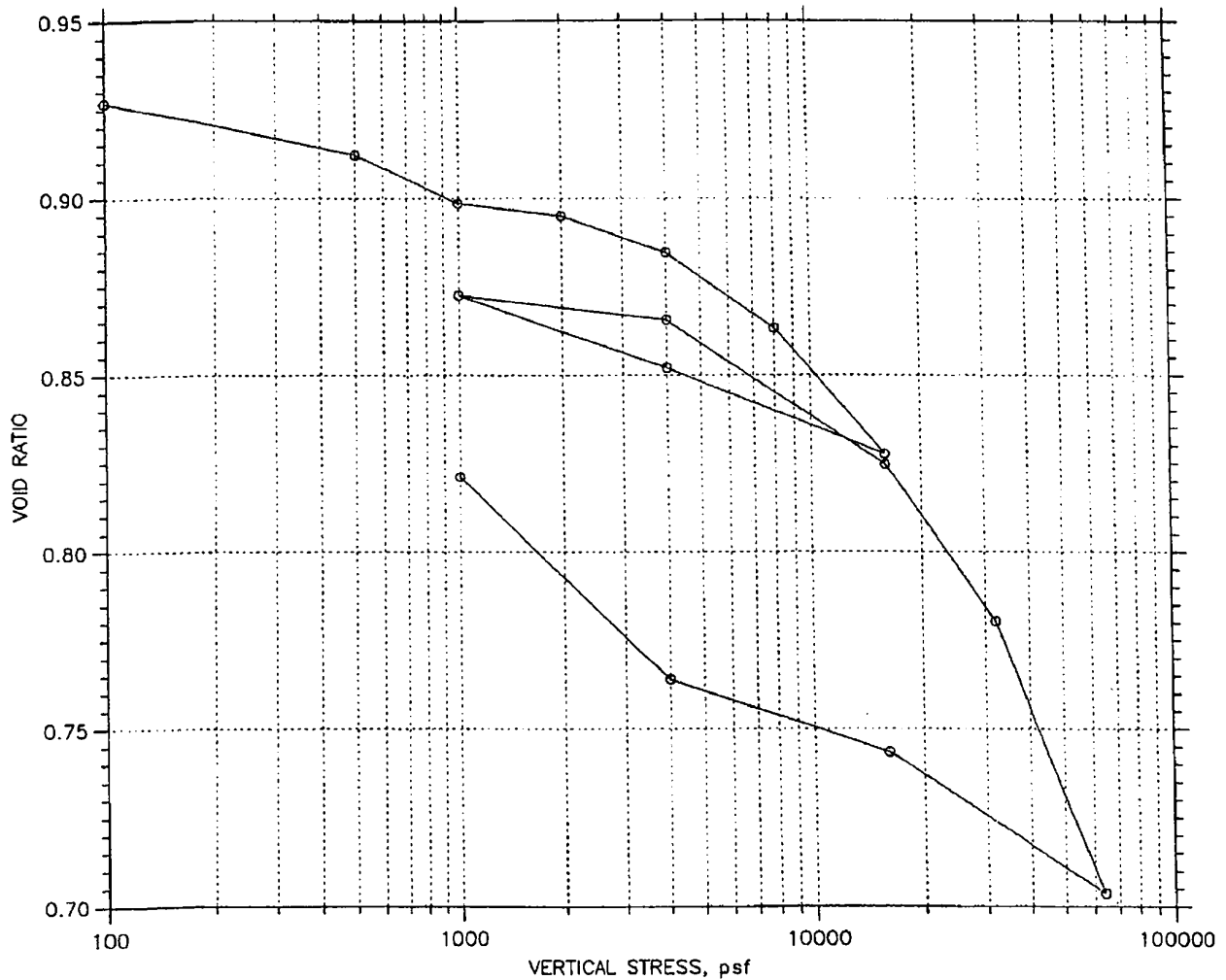
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-4	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: HJ	Checked By: JW <i>JW</i>
	Sample No.: UD-4		Test Date: 2/1/08	Depth: 67-68.7'
	Test No.: 8314		Sample Type: Undisturbed	Elevation: N/A <i>3/14/08</i>
	Description: Light Yellowish Brown Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.039

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-4	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW <i>JW</i>
	Sample No.: UD-4	Test Date: 2/1/08	Depth: 67-68.7'
	Test No.: 8314	Sample Type: Undisturbed	Elevation: N/A <i>3/14/08</i>
	Description: Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.039

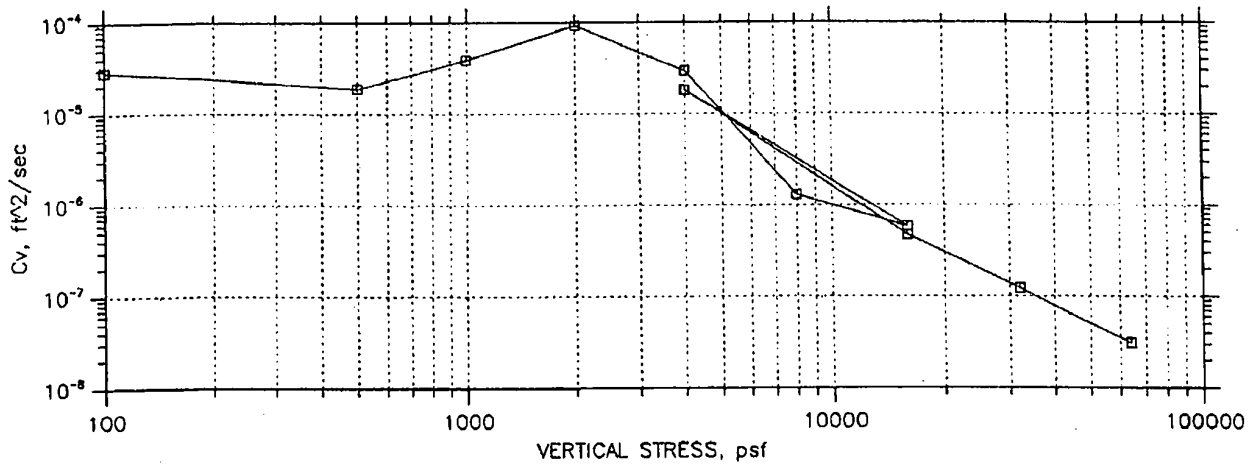
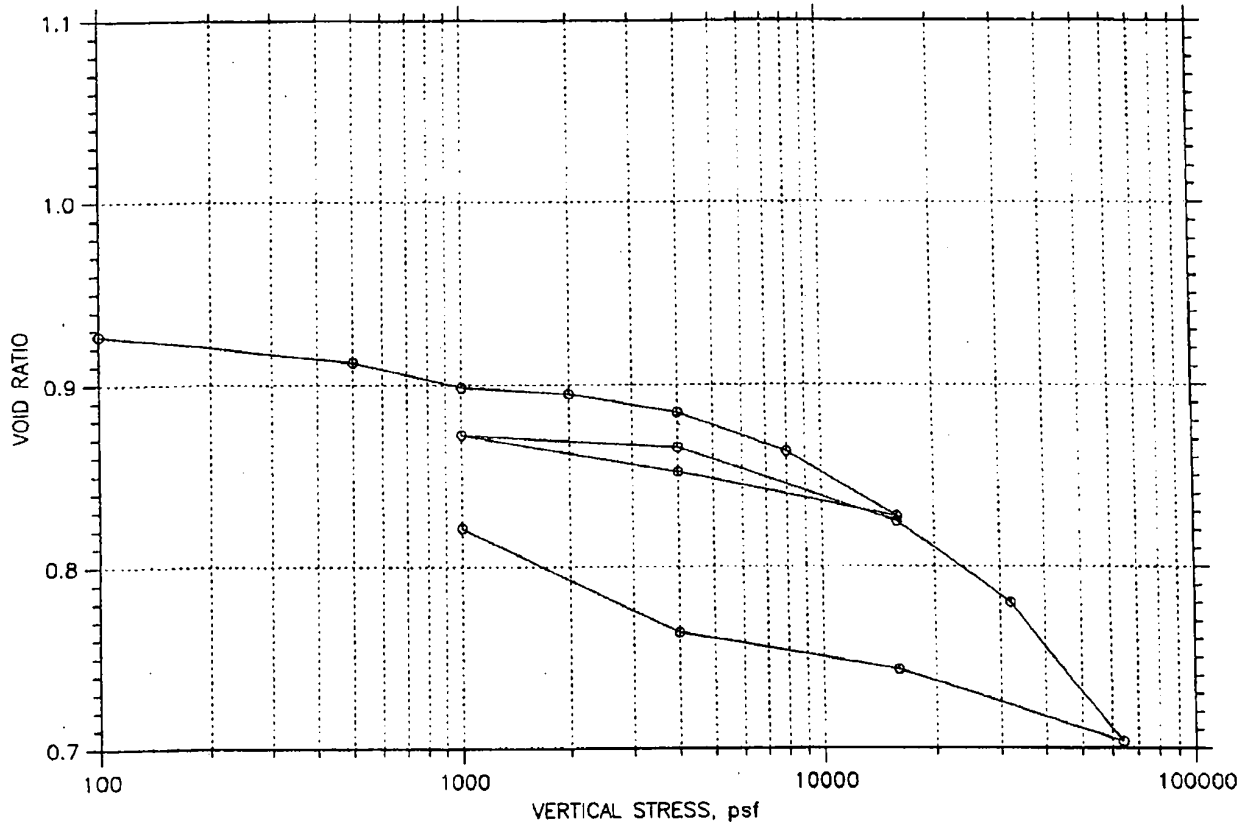
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 7400 psf				Water Content, %	32.60	29.98
Preconsolidation Pressure: 1.71e+004 psf				Dry Unit Weight, pcf	89.24	94.61
Compression Index: 0.252				Saturation, %	96.67	100.76
Diameter: 2.498 in		Height: 0.998 in		Void Ratio	0.93	0.82
LL: 79	PL: 33	PI: 46	GS: 2.76			

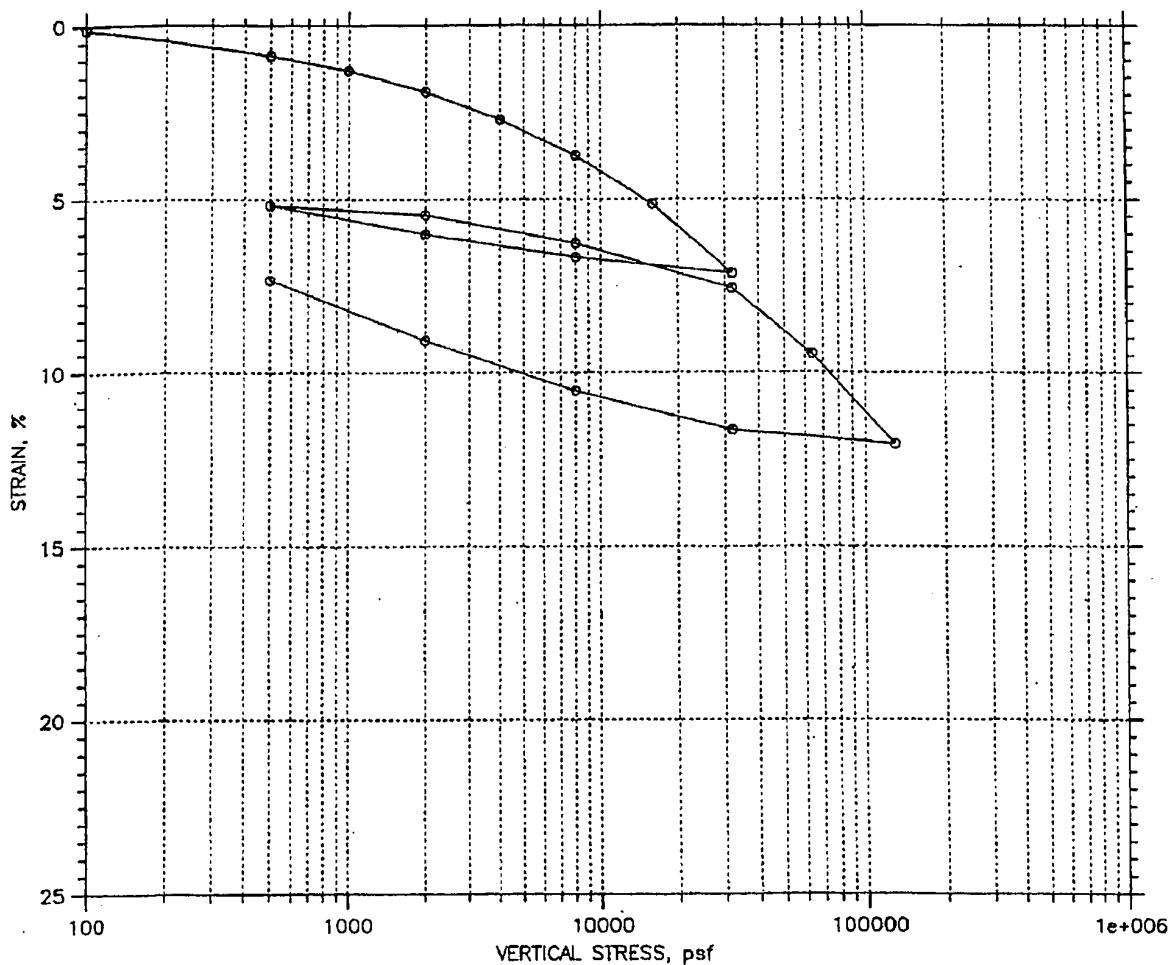
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	Boring No.: 2274UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-4		Test Date: 2/1/08	Depth: 67-68.7'
	Test No.: 8314		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.039

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-4	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-4	Test Date: 2/1/08	Depth: 67-68.7'
	Test No.: 8314	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Yellowish Brown Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.039

CONSOLIDATION TEST DATA SUMMARY REPORT



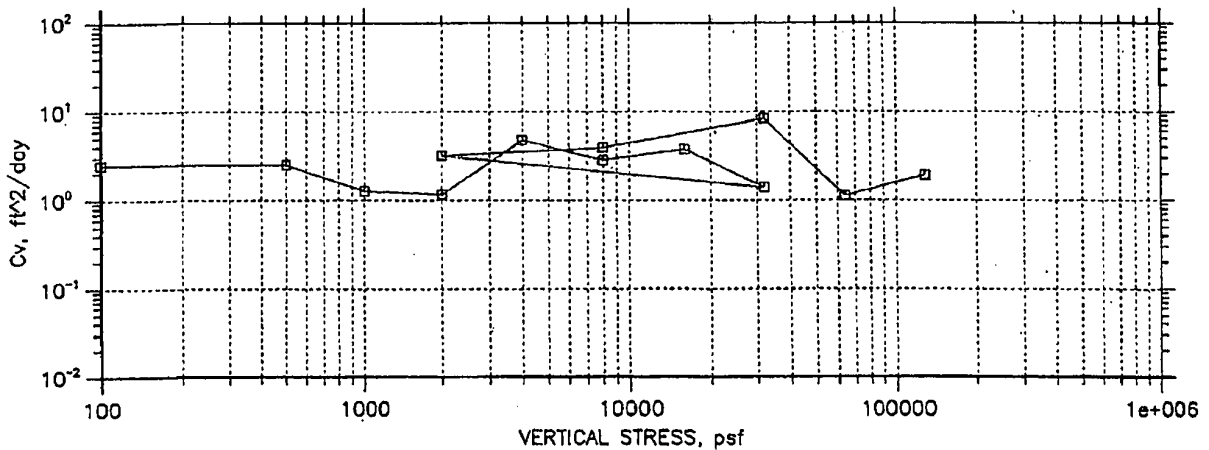
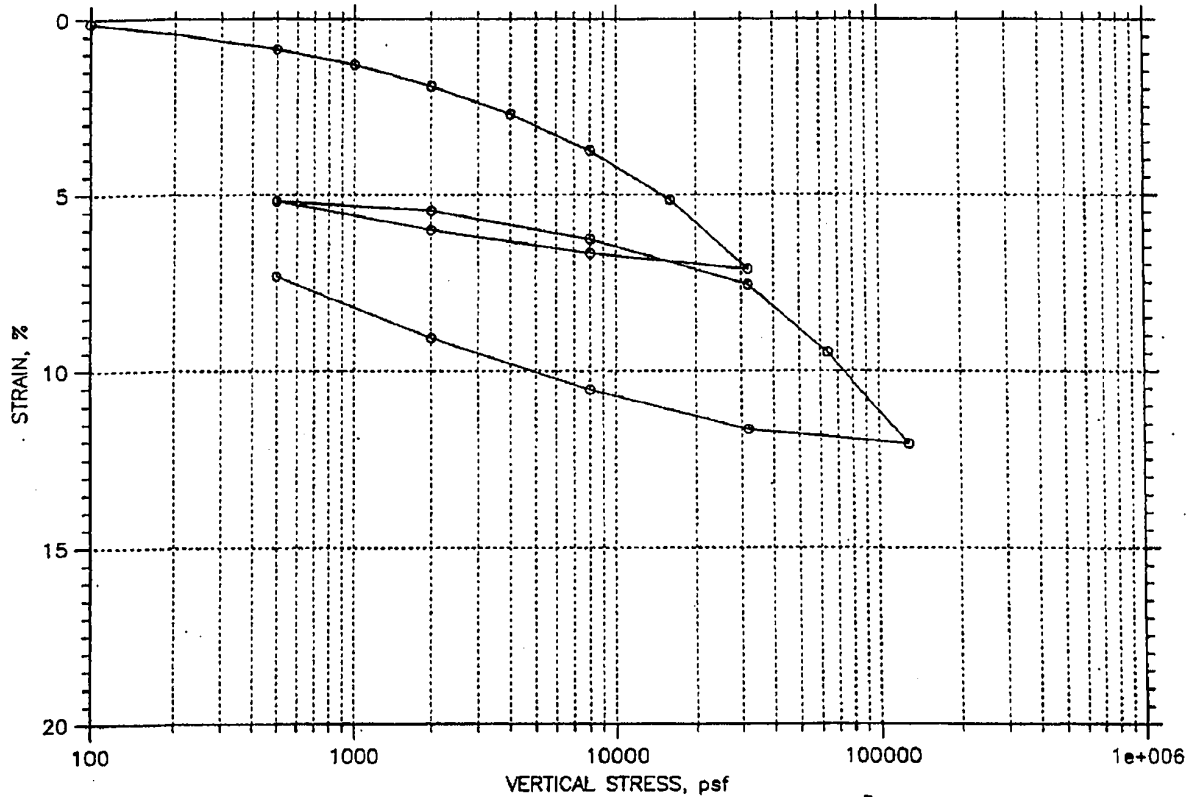
				Before Test	After Test	
Overburden Pressure: 1.82e+004 psf				Water Content, %	17.14	14.48
Preconsolidation Pressure: 4.08e+004 psf				Dry Unit Weight, pcf	112.9	121.8
Compression Index: 0.126				Saturation, %	93.76	101.81
Diameter: 2.499 in		Height: 0.9968 in		Void Ratio	0.49	0.38
LL: 32	PL: 15	PI: 17	GS: 2.70			

	Project: Exelon Texas COL Victoria	Location: B-2274UD	Project No.: 6468071777
	Boring No.: B-2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-13	Test Date: 3/14/08	Depth: 240-242.5'
	Test No.: 8446	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL)		Cr= 0.014
	Remarks: ASTM D 2435-04		Calculated Saturation Result Not Considered Reliable

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CONSOLIDATION TEST DATA SUMMARY REPORT

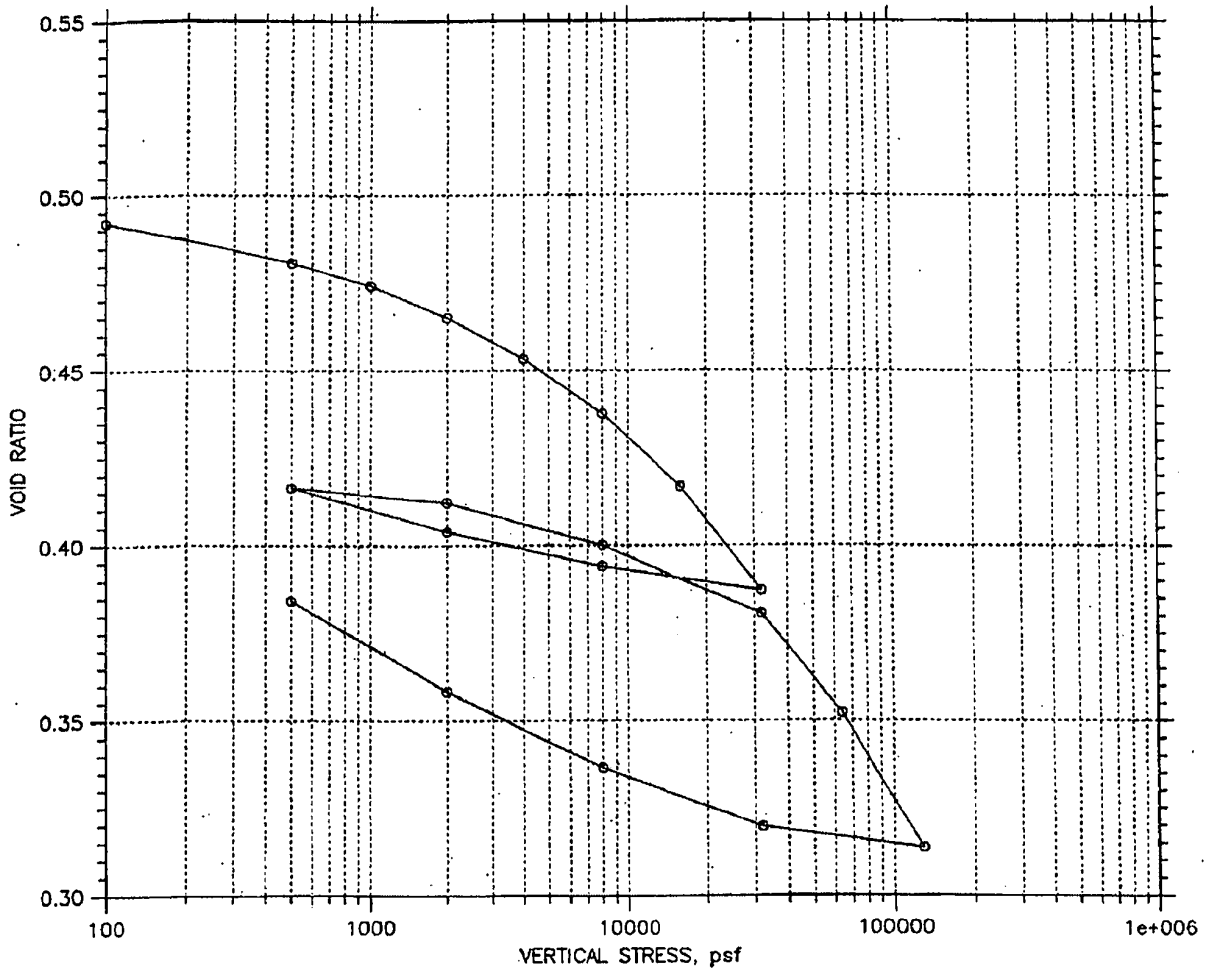


	Project: Exelon Texas COL Victoria	Location: B-2274UD	Project No.: 6468071777
	Boring No.: B-2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-13	Test Date: 3/14/08	Depth: 240-242.5'
	Test No.: 8446	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL)	Cr= 0.014	
Remarks: ASTM D 2435-04		Calculated Saturation Result Not Considered Reliable	

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CONSOLIDATION TEST DATA SUMMARY REPORT



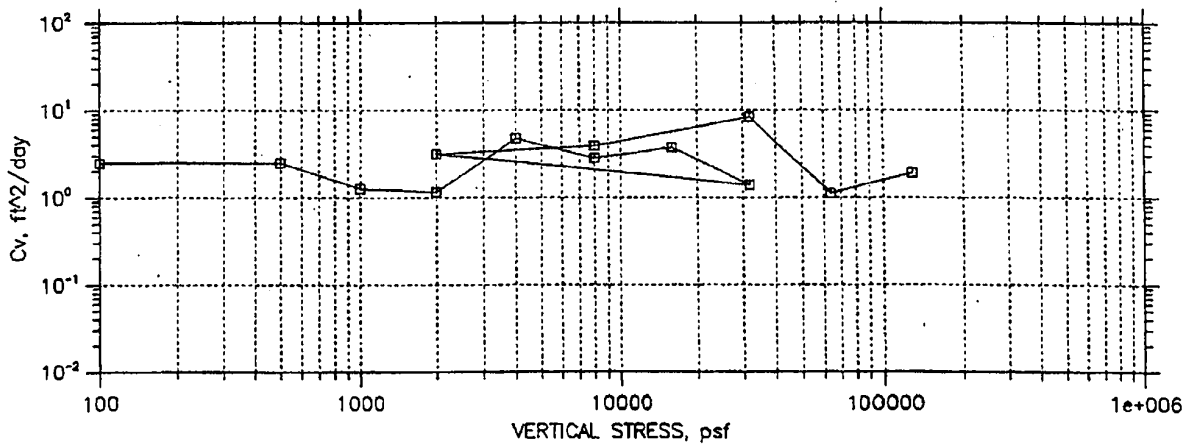
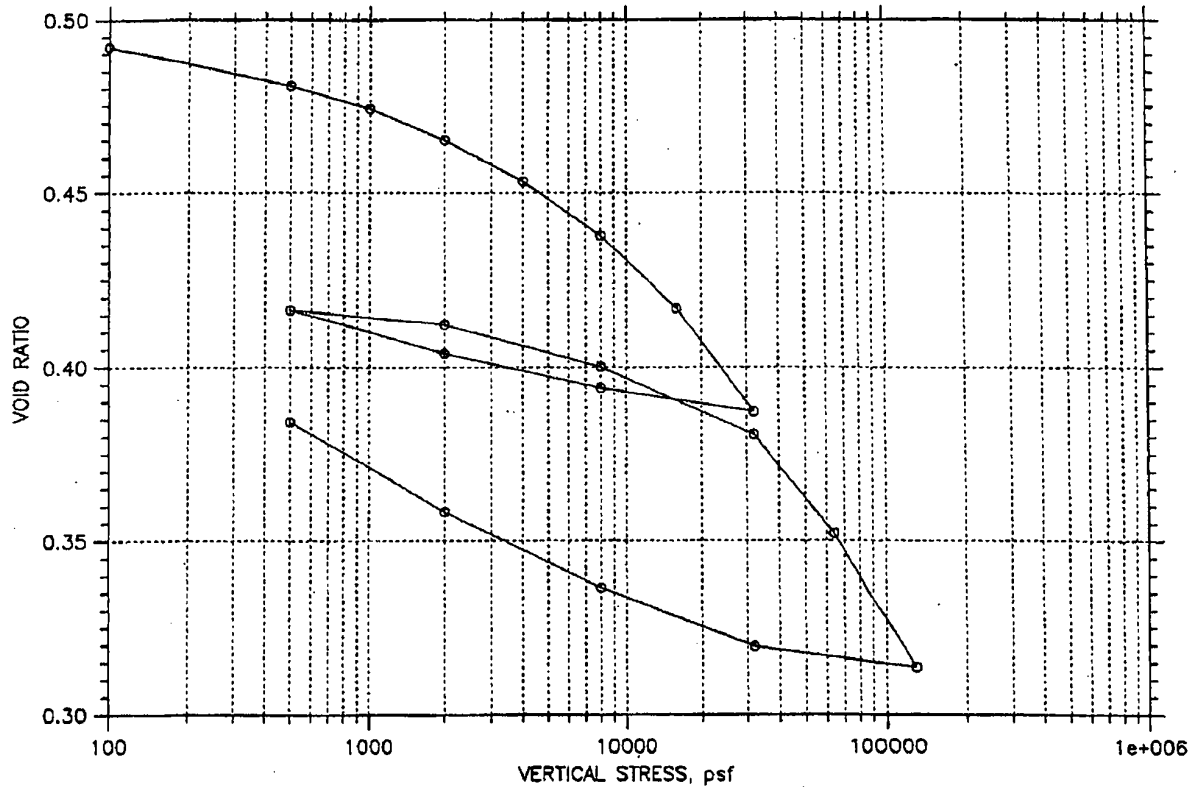
				Before Test	After Test	
Overburden Pressure: 1.82e+004 psf				Water Content, %	17.14	14.48
Preconsolidation Pressure: 4.08e+004 psf				Dry Unit Weight, pcf	112.9	121.8
Compression Index: 0.126				Saturation, %	93.76	101.81
Diameter: 2.499 in		Height: 0.9968 in		Void Ratio	0.49	0.38
LL: 32	PL: 15	PI: 17	GS: 2.70			

	Project: Exelon Texas COL Victoria		Location: B-2274UD	Project No.: 6468071777
	Boring No.: B-2274UD		Tested By: HJ	Checked By: JW <i>JW</i>
	Sample No.: UD-13		Test Date: 3/14/08	Depth: 240-242.5' <i>4/28/08</i>
	Test No.: 8446		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL) Cr= 0.014			
	Remarks: ASTM D 2435-04 Calculated Saturation Result Not Considered Reliable			

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CONSOLIDATION TEST DATA SUMMARY REPORT

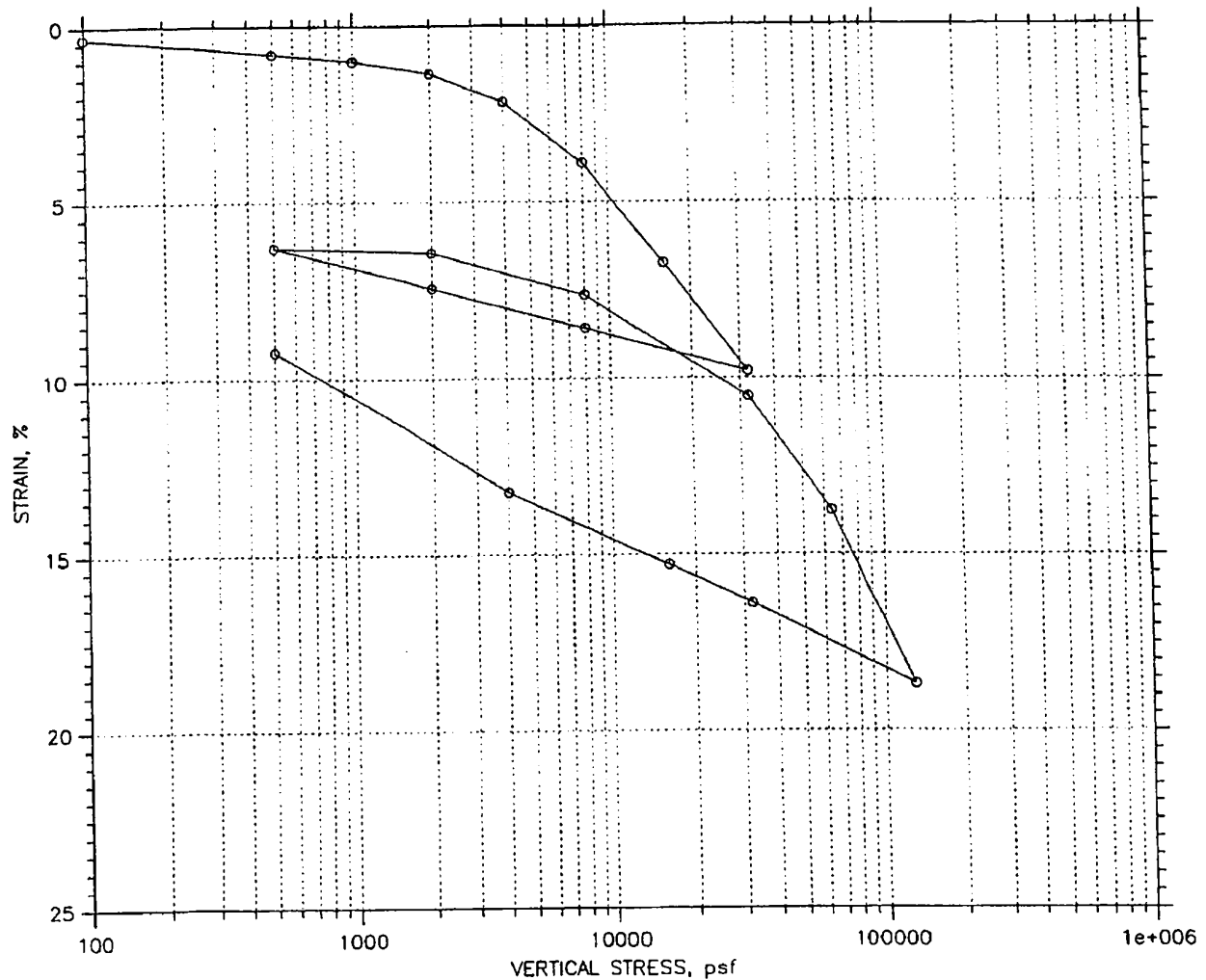


	Project: Exelon Texas COL Victoria	Location: B-2274UD	Project No.: 6468071777
	Boring No.: B-2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-13	Test Date: 3/14/08	Depth: 240-242.5'
	Test No.: 8446	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL)		Cr= 0.014
	Remarks: ASTM D 2435-04 Calculated Saturation Result Not Considered Reliable		

Wed, 02-APR-2008 14:50:21

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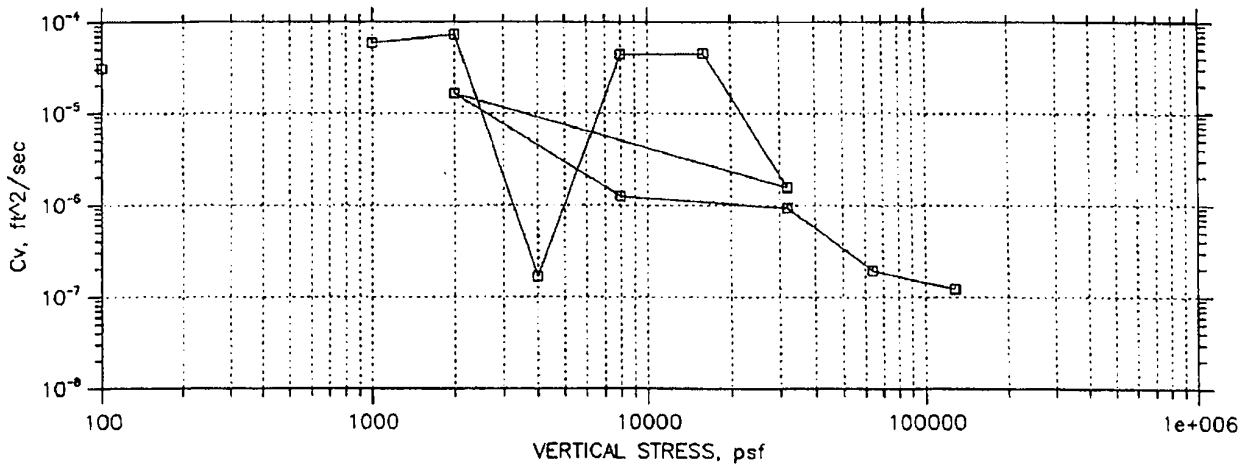
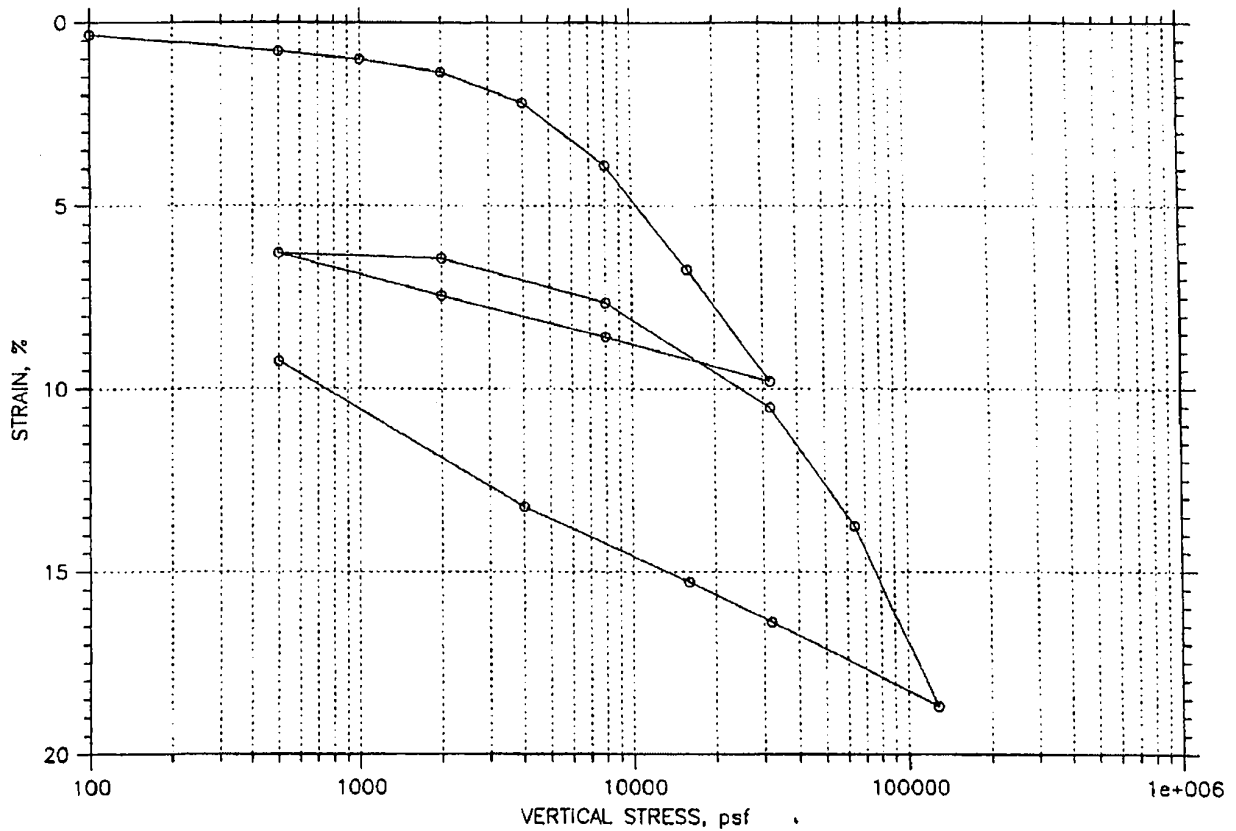
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.2e+004 psf			Water Content, %	26.75	25.96	
Preconsolidation Pressure: 4.3e+004 psf			Dry Unit Weight, pcf	90.89	100.1	
Compression Index: 0.309			Saturation, %	82.43	99.42	
Diameter: 2.499 in		Height: 0.9915 in		Void Ratio	0.90	0.72
LL: 58	PL: 27	PI: 31	GS: 2.76			

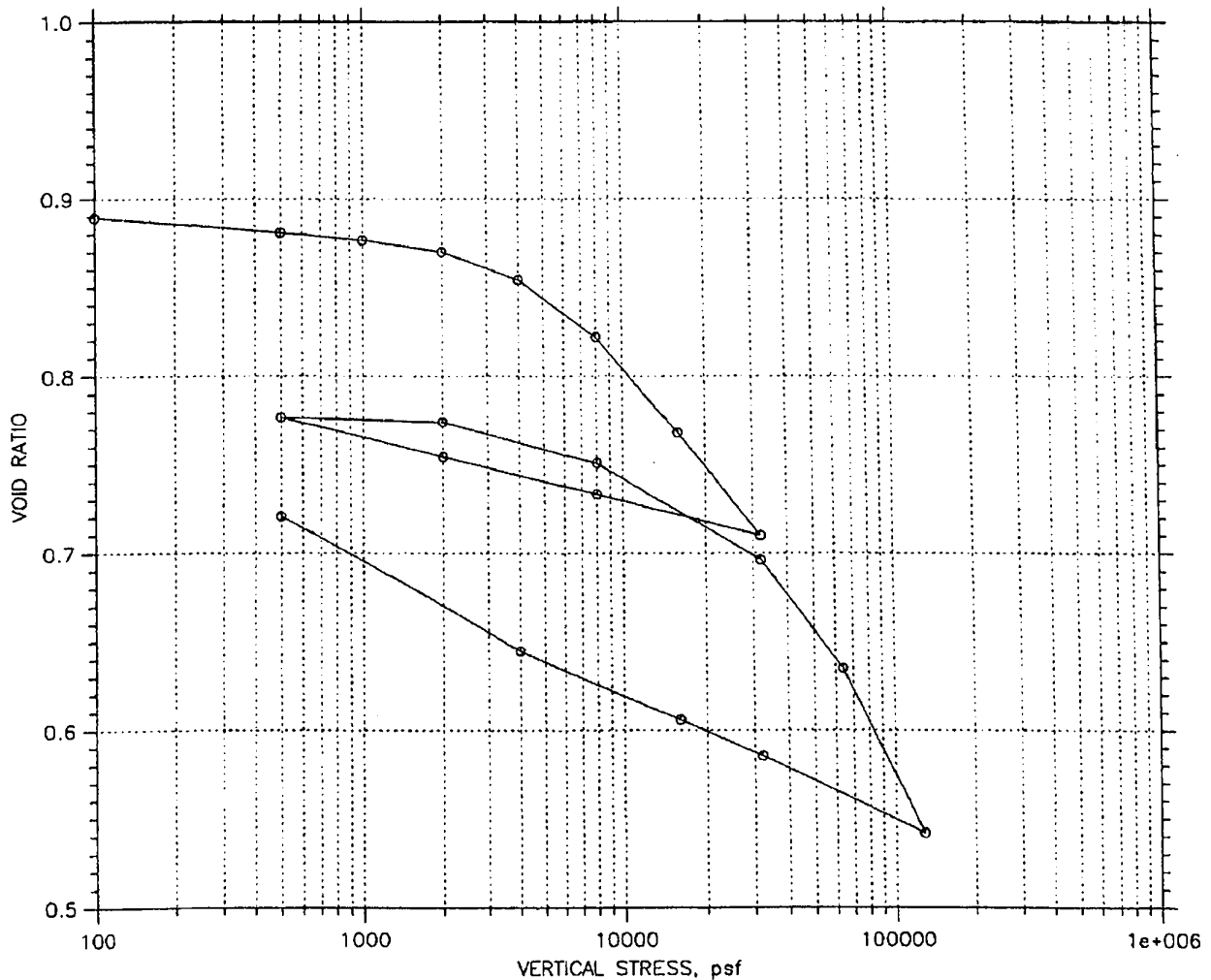
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-16	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-16		Test Date: 2/1/08	Depth: 300-301.8'
	Test No.: 8316		Sample Type: Undisturbed	Elevation: N/A
	Description: Pale Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.037

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-16	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-16	Test Date: 2/1/08	Depth: 300-301.8'
	Test No.: 8316	Sample Type: Undisturbed	Elevation: N/A
	Description: Pale Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.037

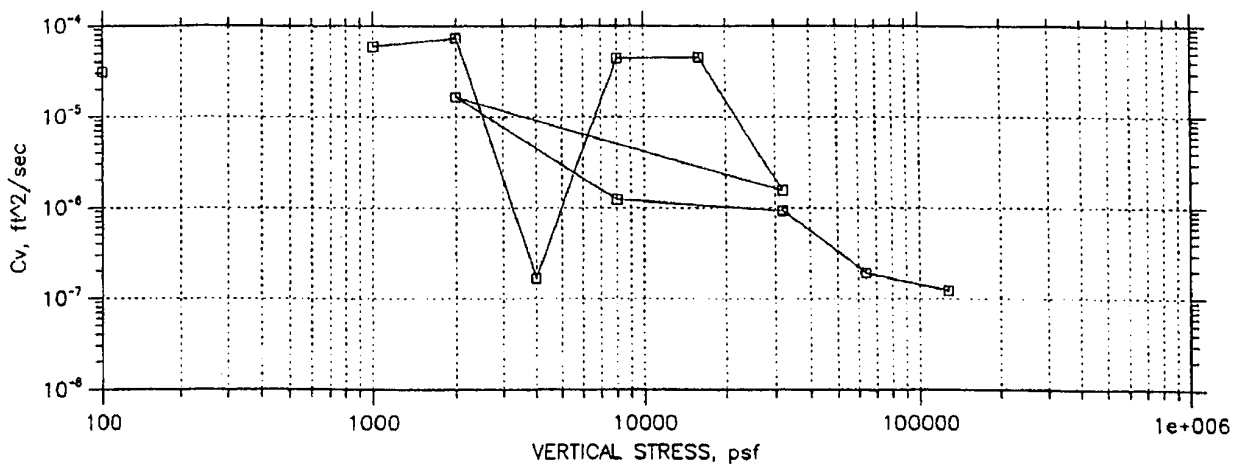
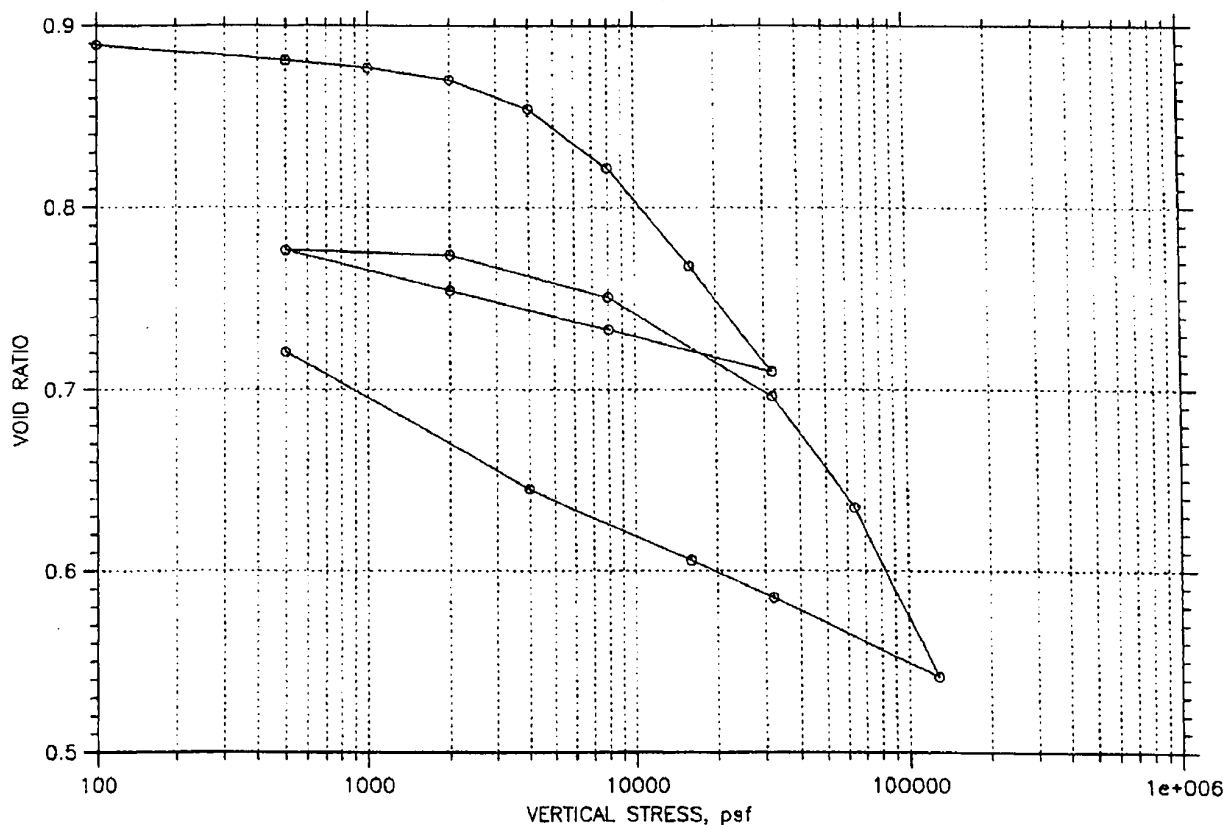
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.2e+004 psf				Water Content, %	26.75	25.96
Preconsolidation Pressure: 4.3e+004 psf				Dry Unit Weight, pcf	90.89	100.1
Compression Index: 0.309				Saturation, %	82.43	99.42
Diameter: 2.499 in		Height: 0.9915 in		Void Ratio	0.90	0.72
LL: 58	PL: 27	PI: 31	GS: 2.76			

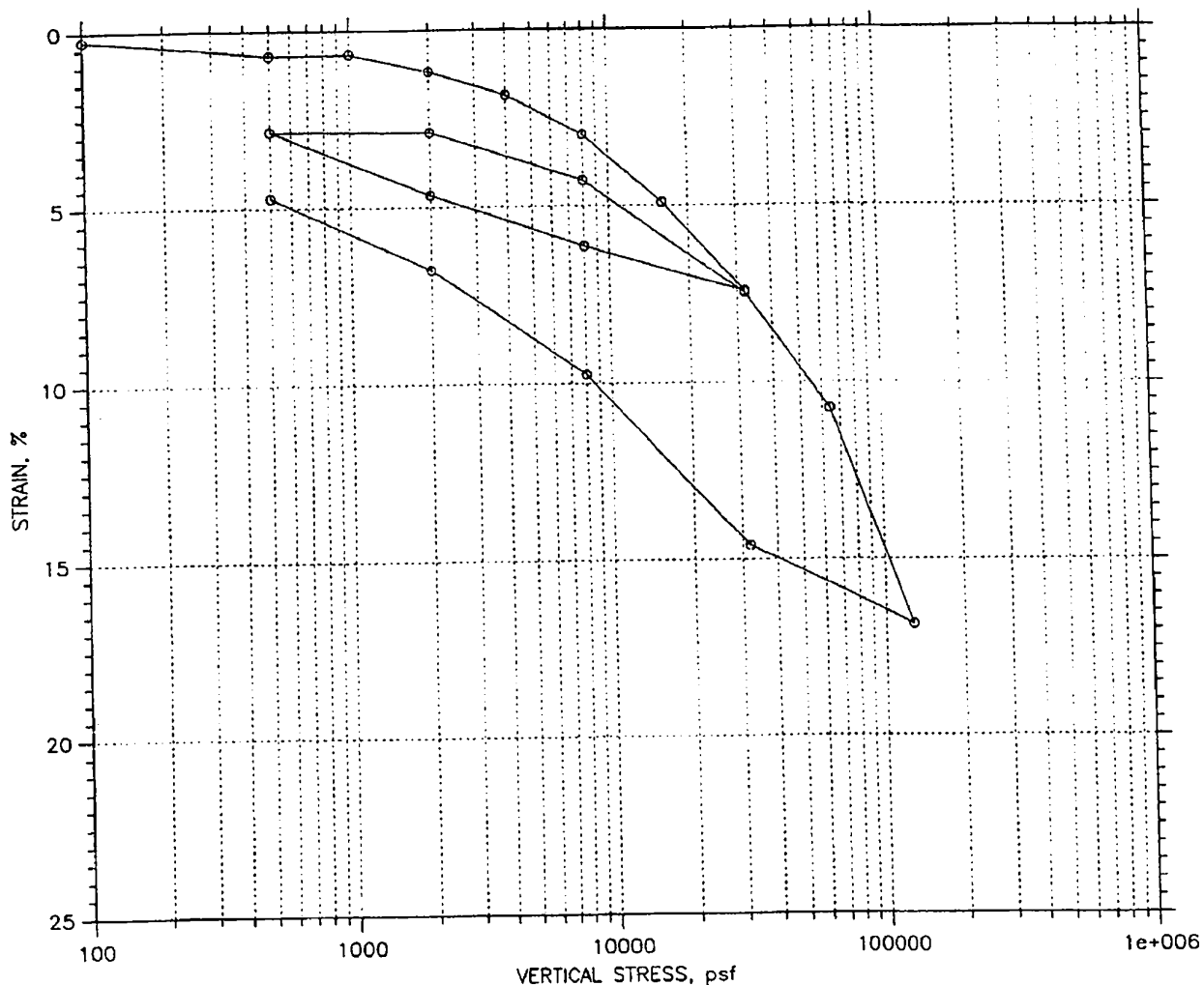
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-16	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: HJ	Checked By: JW
	Sample No.: UD-16		Test Date: 2/1/08	Depth: 300-301.8'
	Test No.: 8316		Sample Type: Undisturbed	Elevation: N/A
	Description: Pale Yellow Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.037

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-16	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: HJ	Checked By: JW
	Sample No.: UD-16	Test Date: 2/1/08	Depth: 300-301.8'
	Test No.: 8316	Sample Type: Undisturbed	Elevation: N/A
	Description: Pale Yellow Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.037

CONSOLIDATION TEST DATA SUMMARY REPORT

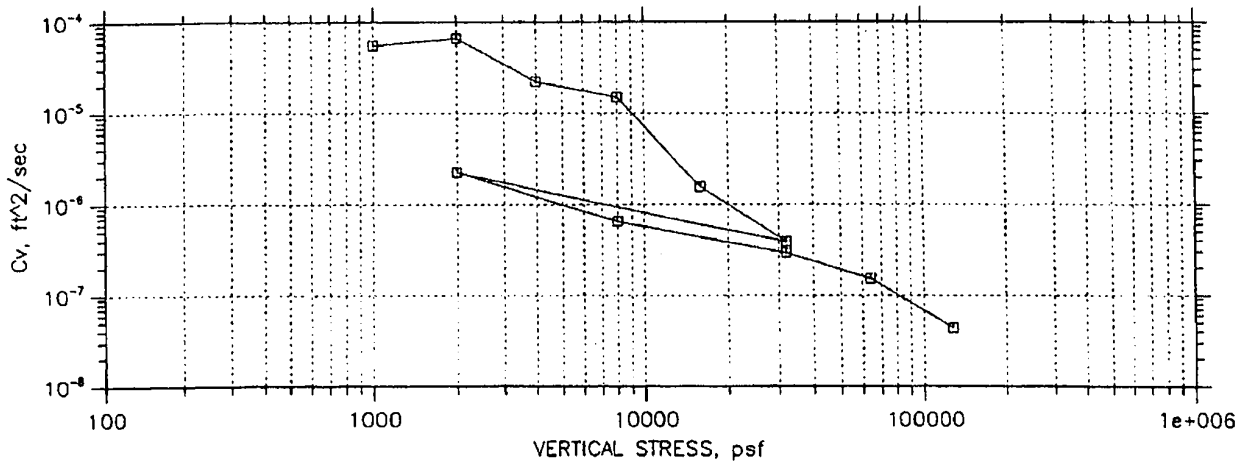
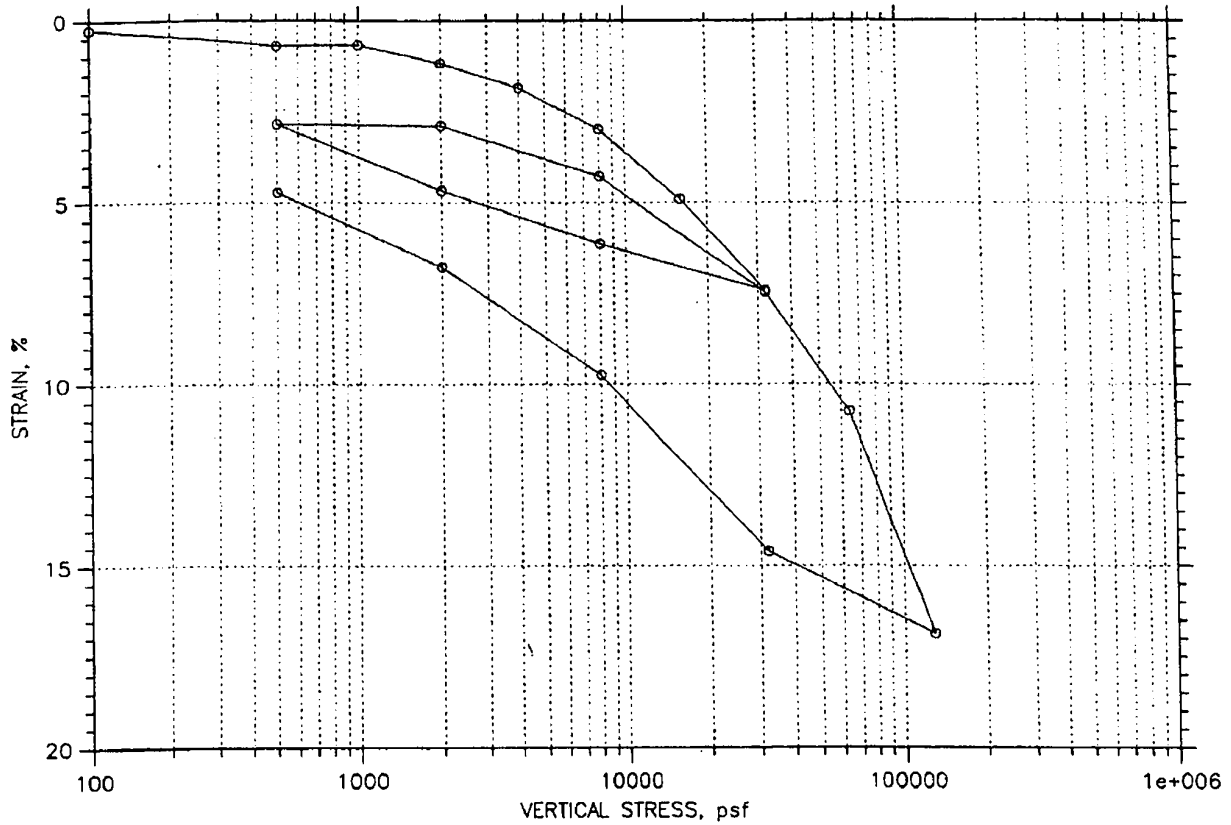


				Before Test	After Test
Overburden Pressure: 2.7e+004 psf				34.92	33.25
Preconsolidation Pressure: 4.81e+004 psf				85.96	90.22
Compression Index: 0.409				95.98	100.87
Diameter: 2.499 in		Height: 1.003 in		1.00	0.91
LL: 70	PL: 35	PI: 35	GS: 2.76		

MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-20	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-20	Test Date: 2/5/08	Depth: 380-381.8'
	Test No.: 8318	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Elastic SILT (MH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.050

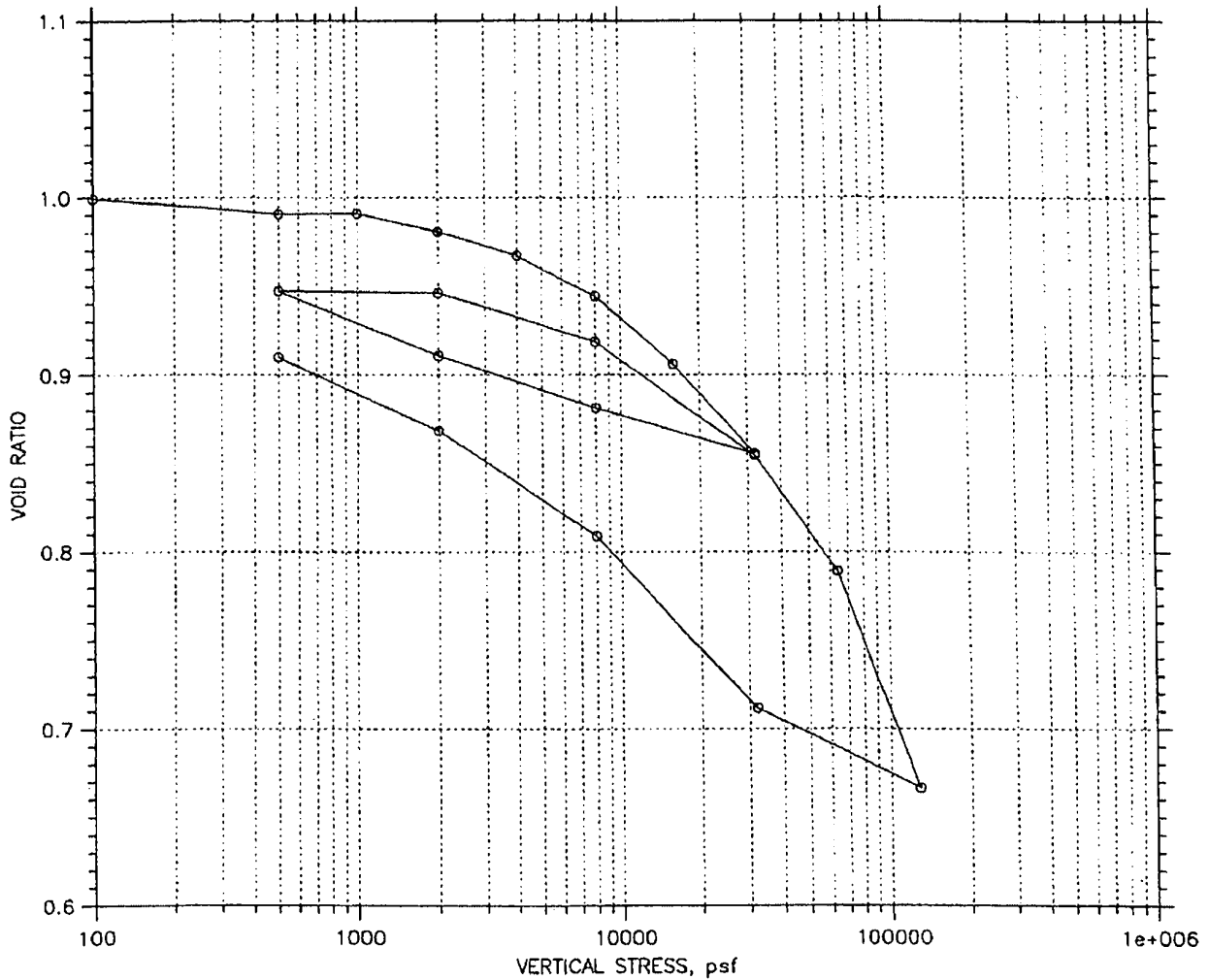
DSC
3-14-08

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-20	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-20	Test Date: 2/5/08	Depth: 380-381.8'
	Test No.: 8318	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Elastic SILT (MH)		3/14/08
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr=0.050

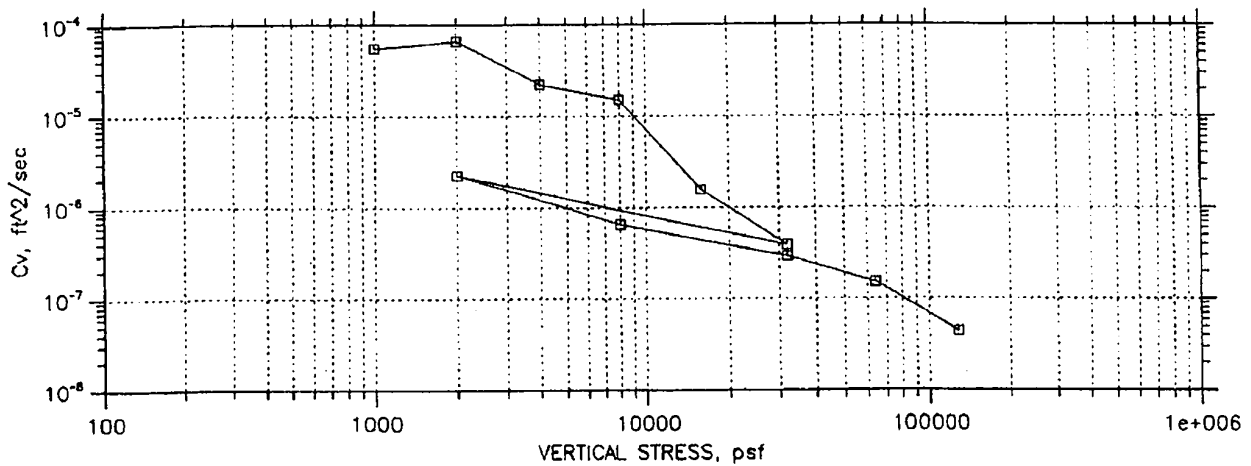
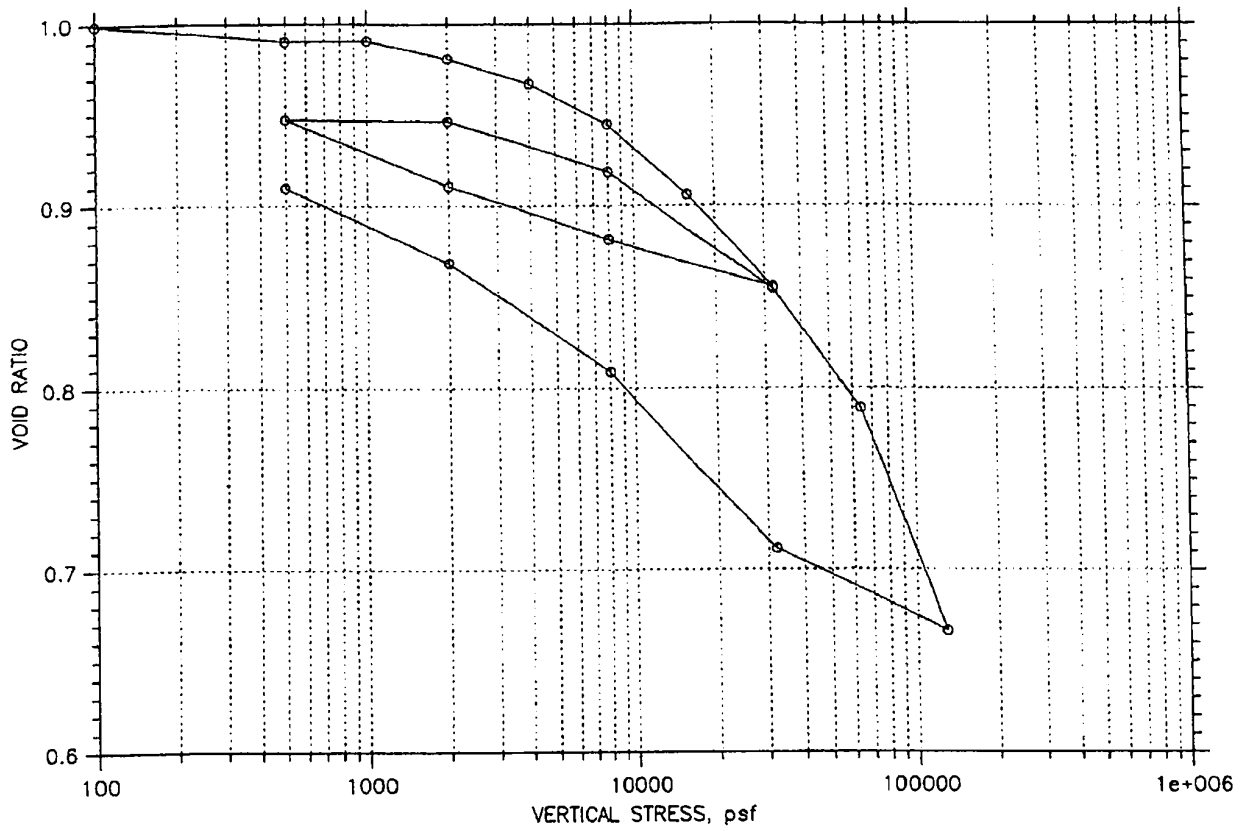
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.7e+004 psf				Water Content, %	34.92	33.25
Preconsolidation Pressure: 4.81e+004 psf				Dry Unit Weight, pcf	85.96	90.22
Compression Index: 0.409				Saturation, %	95.98	100.87
Diameter: 2.499 in		Height: 1.003 in		Void Ratio	1.00	0.91
LL: 70	PL: 35	PI: 35	GS: 2.76			

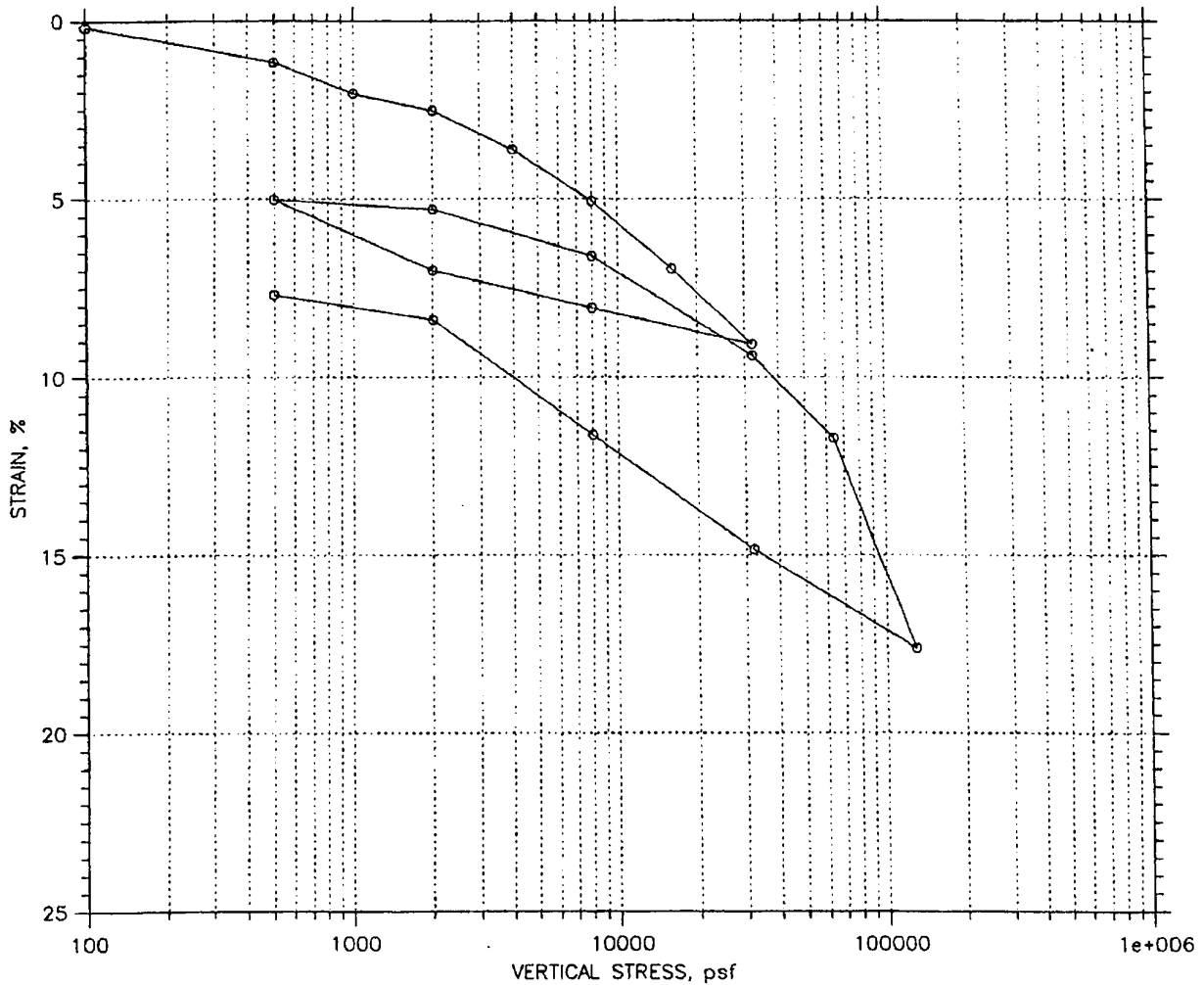
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	Boring No.: 2274UD		Tested By: JW	Checked By: HJ
	Sample No.: UD-20		Test Date: 2/5/08	Depth: 380-381.8'
	Test No.: 8318		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Elastic SILT (MH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.050

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-20	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-20	Test Date: 2/5/08	Depth: 380-381.8'
	Test No.: 8318	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Elastic SILT (MH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		Cr=0.050

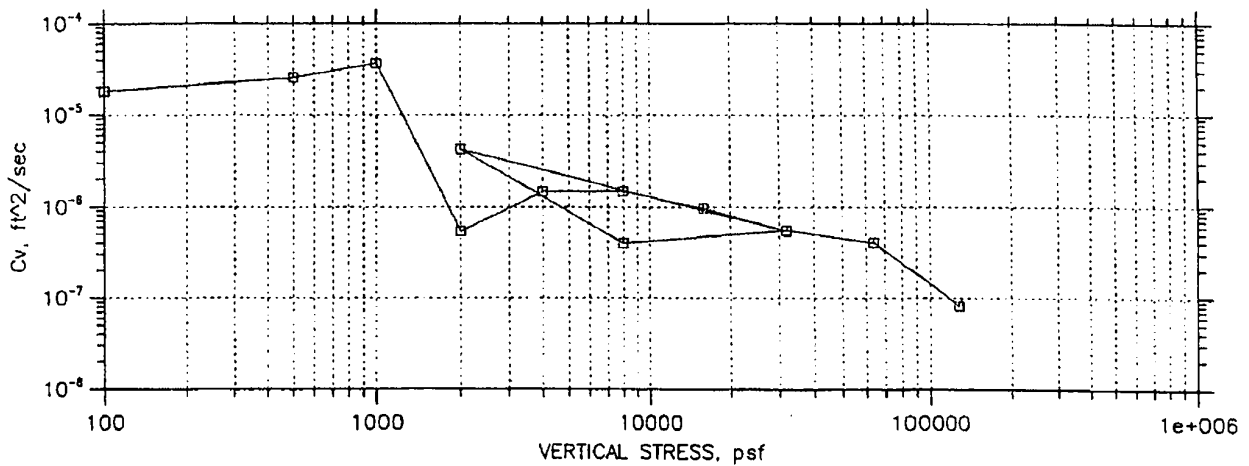
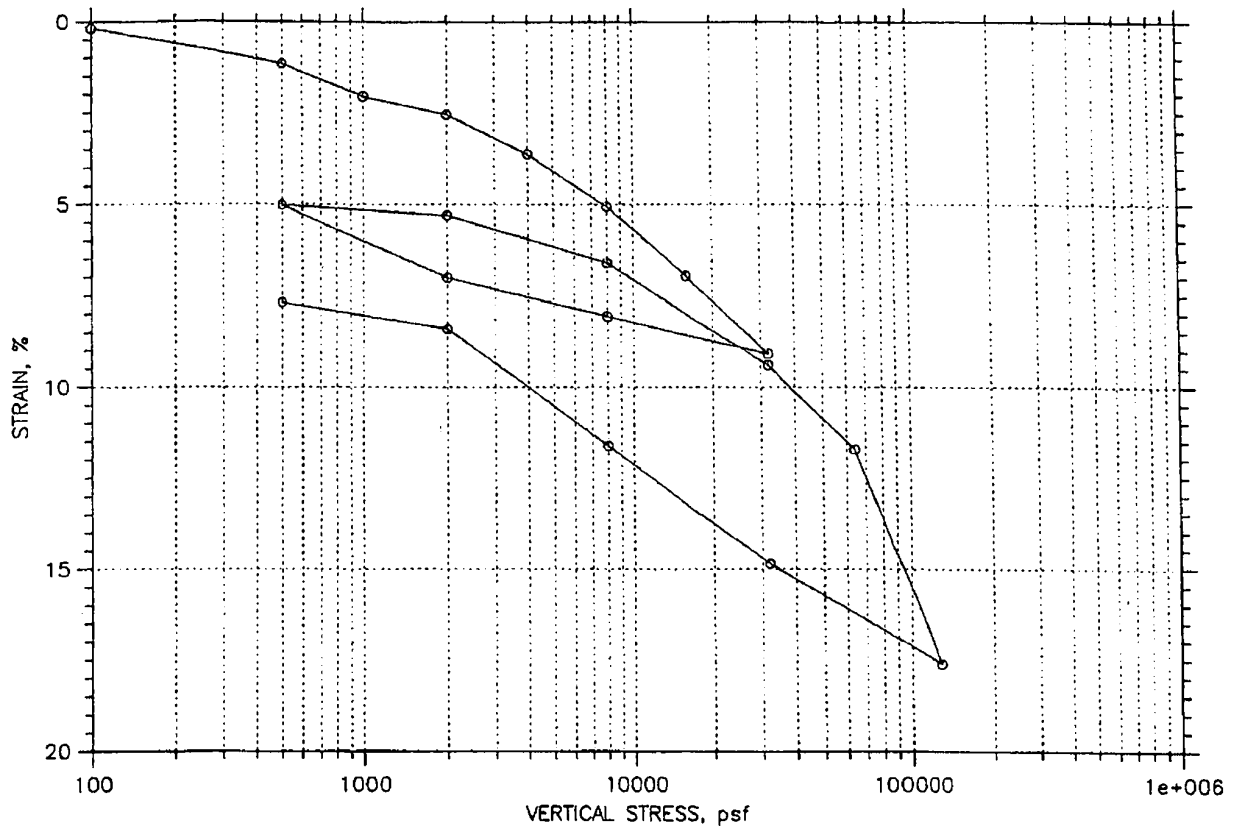
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 2.76e+004 psf		Water Content, %		36.74	32.74
Preconsolidation Pressure: 4.79e+004 psf		Dry Unit Weight, pcf		83.58	90.54
Compression Index: 0.402		Saturation, %		95.85	100.46
Diameter: 2.498 in	Height: 1.006 in	Void Ratio		1.05	0.90
LL: 73	PL: 34	PI: 39	GS: 2.75		

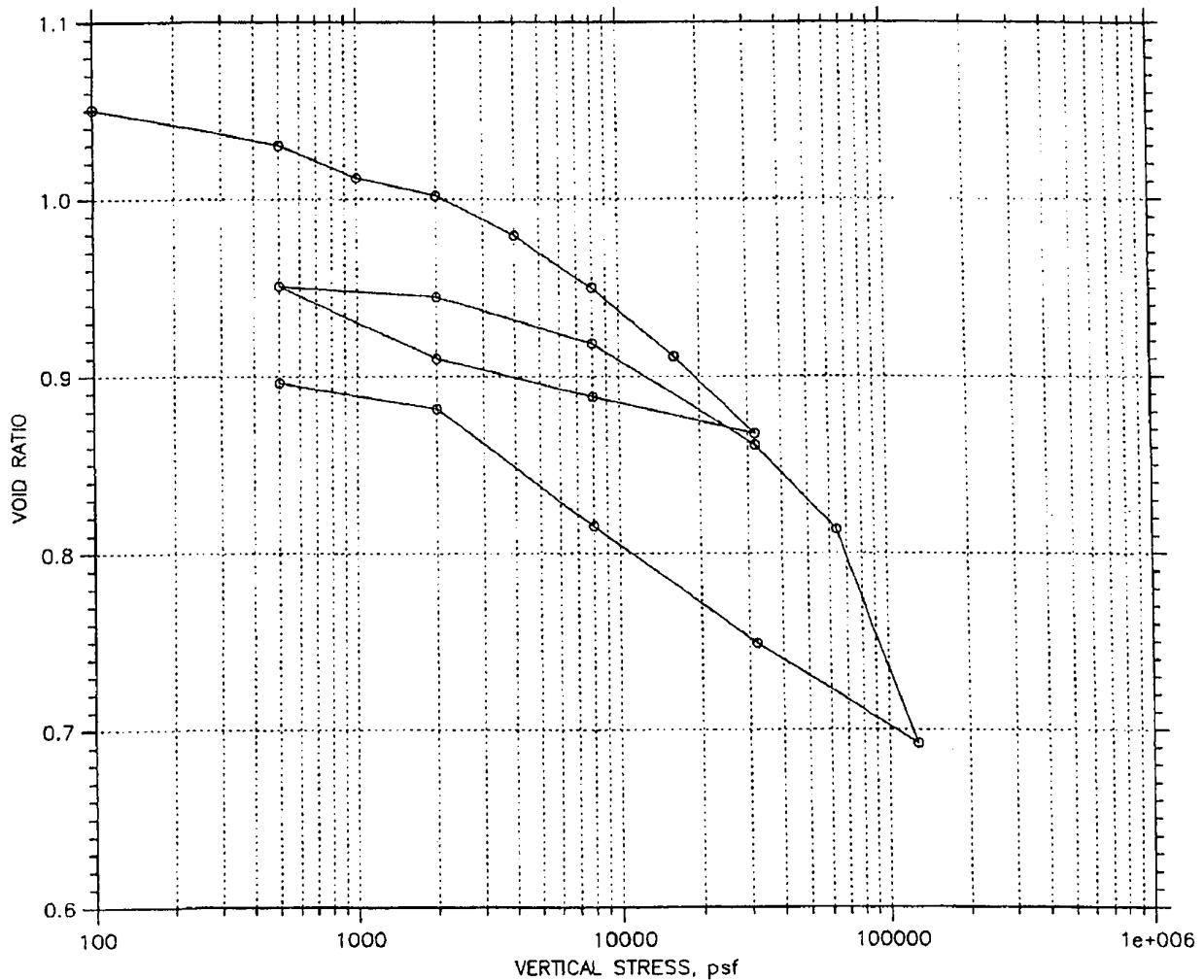
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-21	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: BM	Checked By: JW
	Sample No.: UD-21		Test Date: 2/8/08	Depth: 390-391.8'
	Test No.: 8319		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04			
				Cr=0.047

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-21	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: BM	Checked By: JW
	Sample No.: UD-21	Test Date: 2/8/08	Depth: 390-391.8'
	Test No.: 8319	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.047

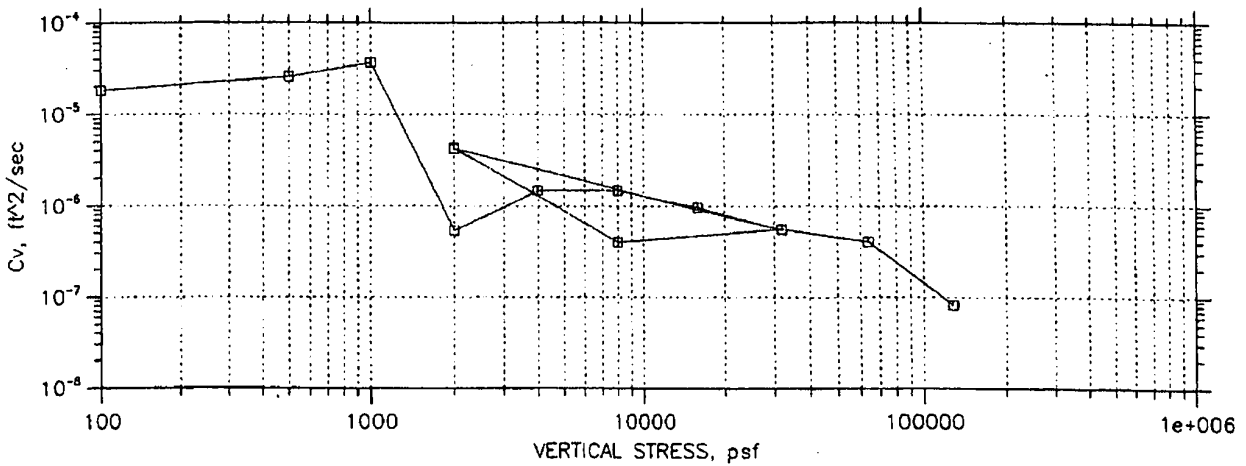
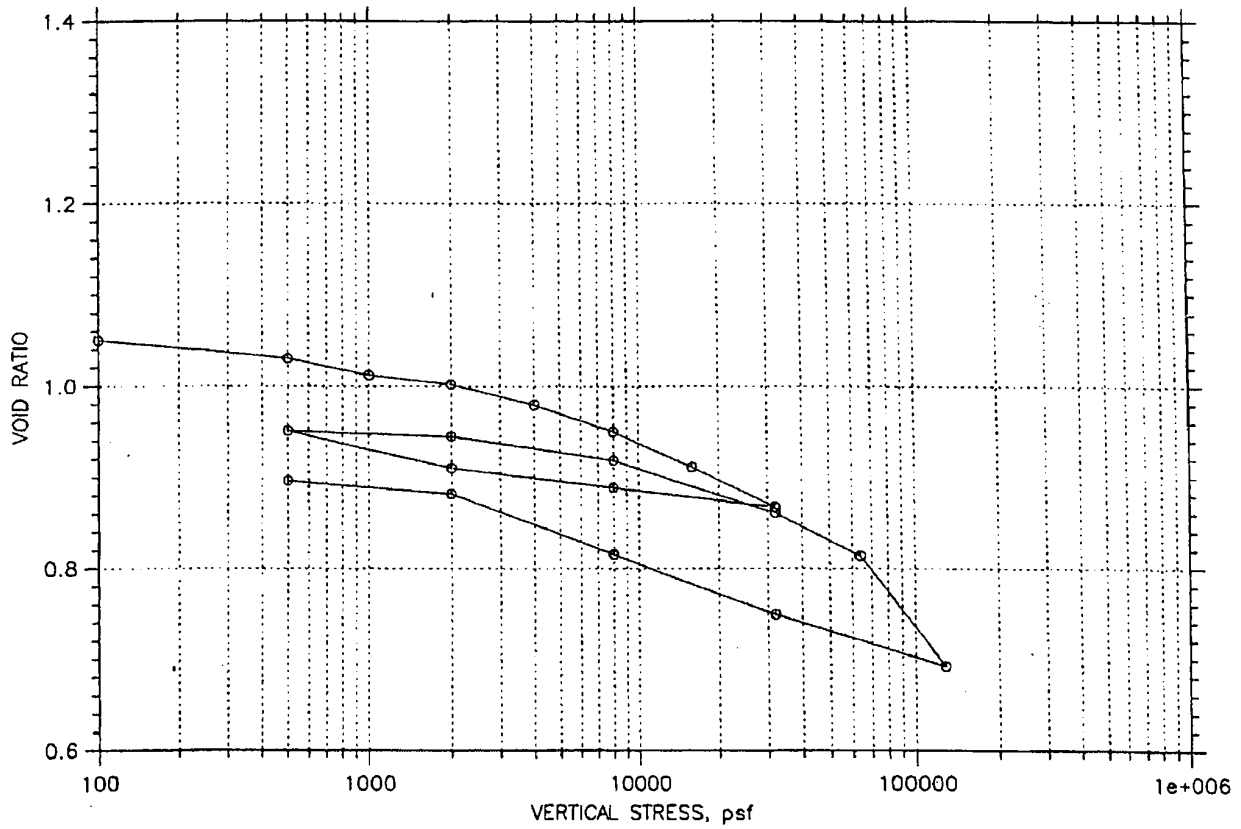
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test
Overburden Pressure: 2.76e+004 psf		Water Content, %		36.74	32.74
Preconsolidation Pressure: 4.79e+004 psf		Dry Unit Weight, pcf		83.58	90.54
Compression Index: 0.402		Saturation, %		95.85	100.46
Diameter: 2.498 in	Height: 1.006 in	Void Ratio		1.05	0.90
LL: 73	PL: 34	PI: 39	GS: 2.75		

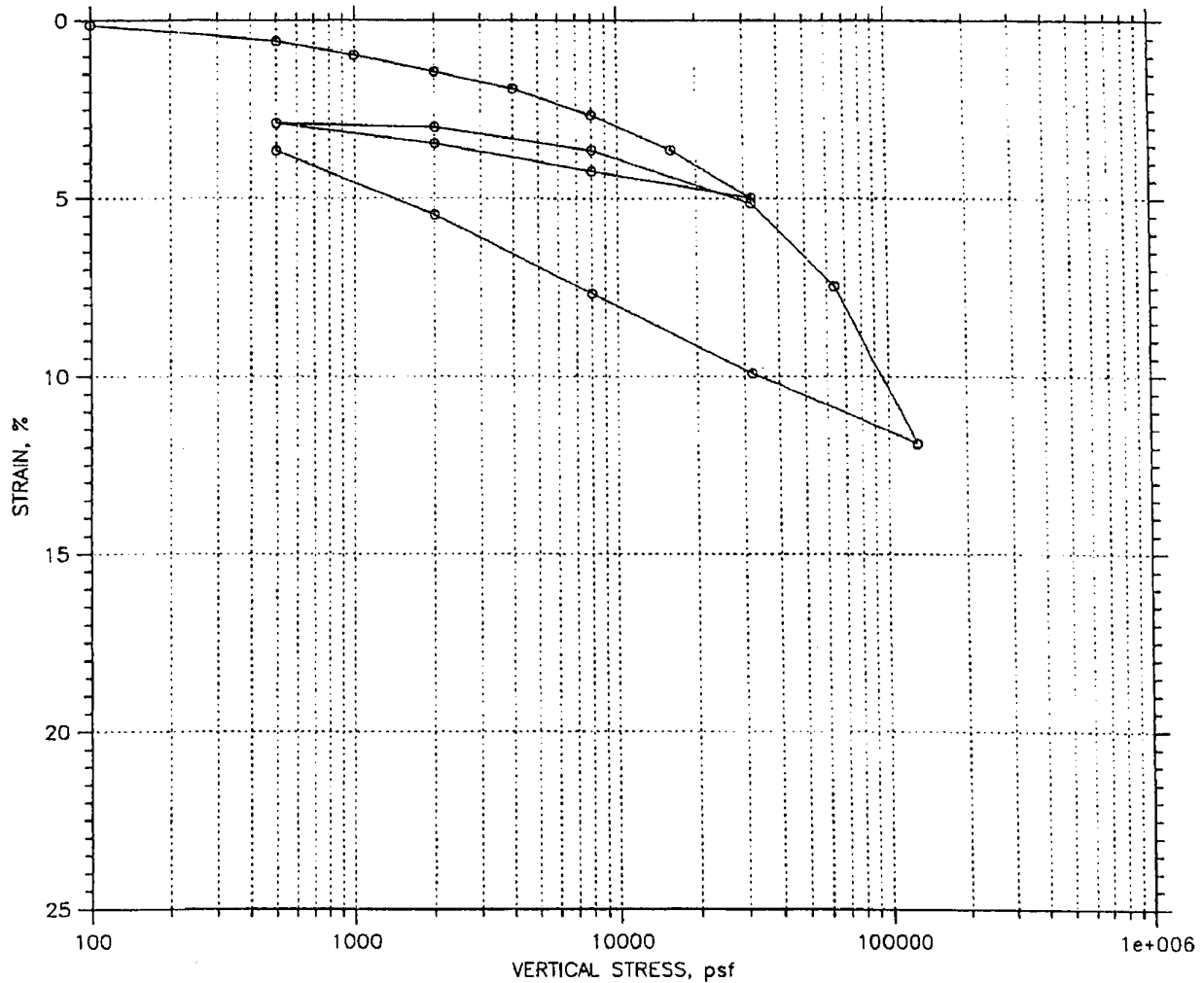
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	Boring No.: 2274UD	Tested By: BM	Checked By: JW
	Sample No.: UD-21	Test Date: 2/8/08	Depth: 390-391.8'
	Test No.: 8319	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.047

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-21	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: BM	Checked By: JW
	Sample No.: UD-21	Test Date: 2/8/08	Depth: 390-391.8' <i>50</i>
	Test No.: 8319	Sample Type: Undisturbed	Elevation: N/A <i>3/14/08</i>
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.047

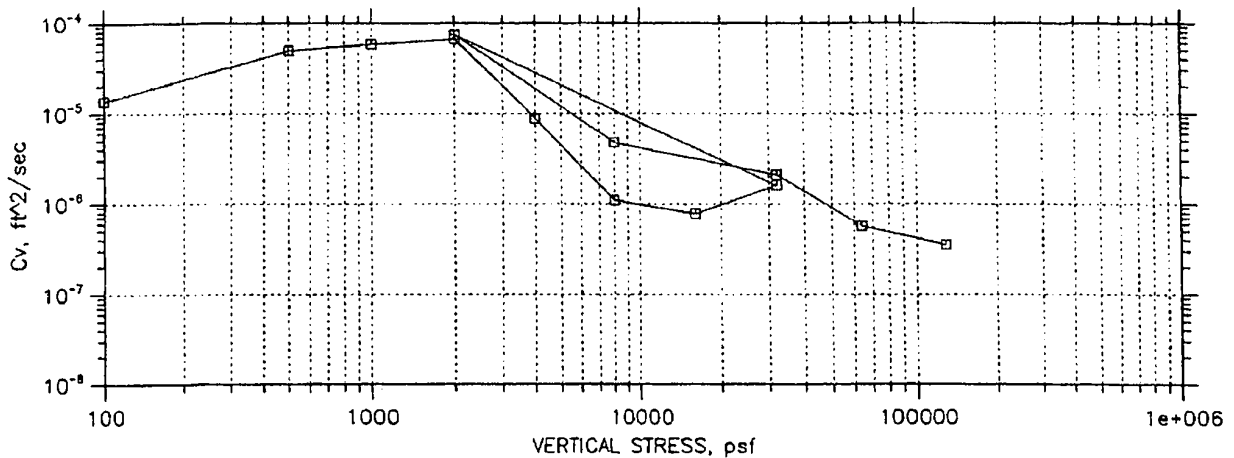
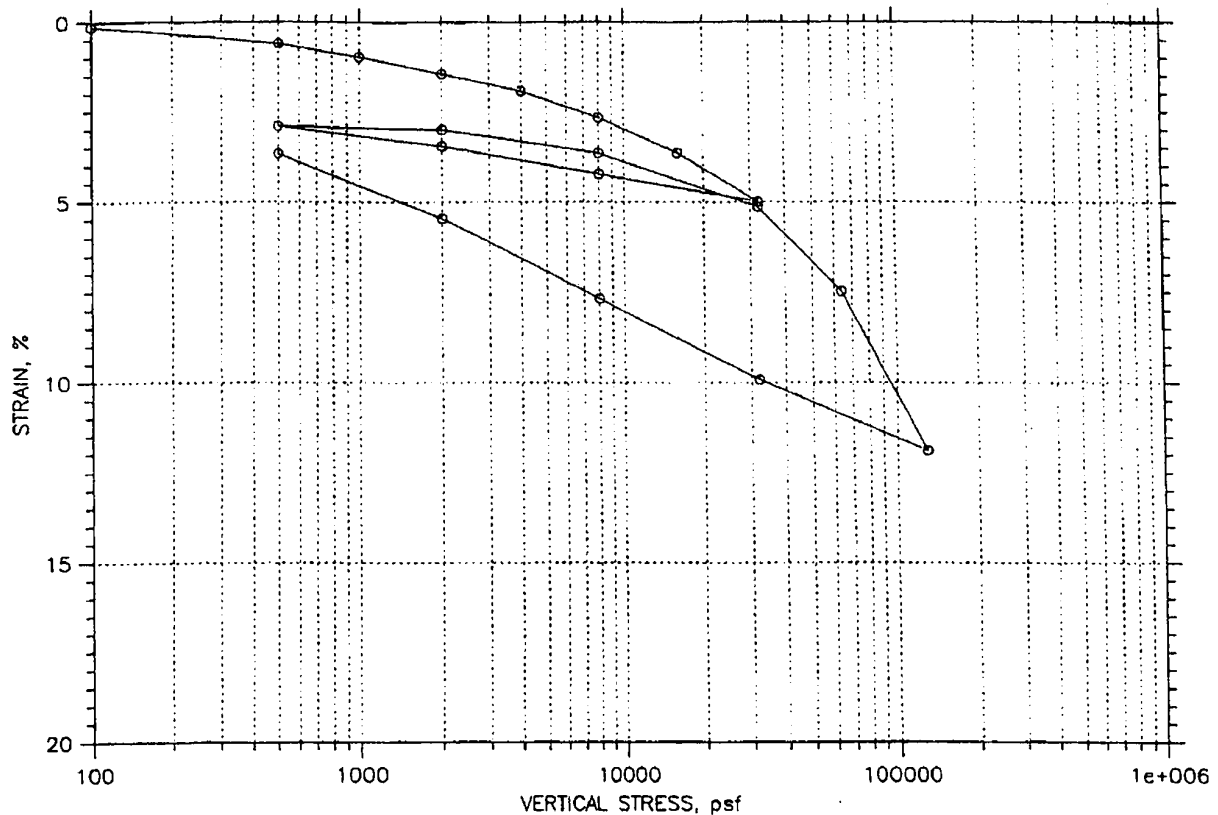
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.82e+004 psf				Water Content, %	26.27	24.61
Preconsolidation Pressure: 4.96e+004 psf				Dry Unit Weight, pcf	98.23	102.
Compression Index: 0.252				Saturation, %	98.05	100.61
Diameter: 2.499 in		Height: 1 in		Void Ratio	0.73	0.67
LL: 56	PL: 25	PI: 31	GS: 2.72			

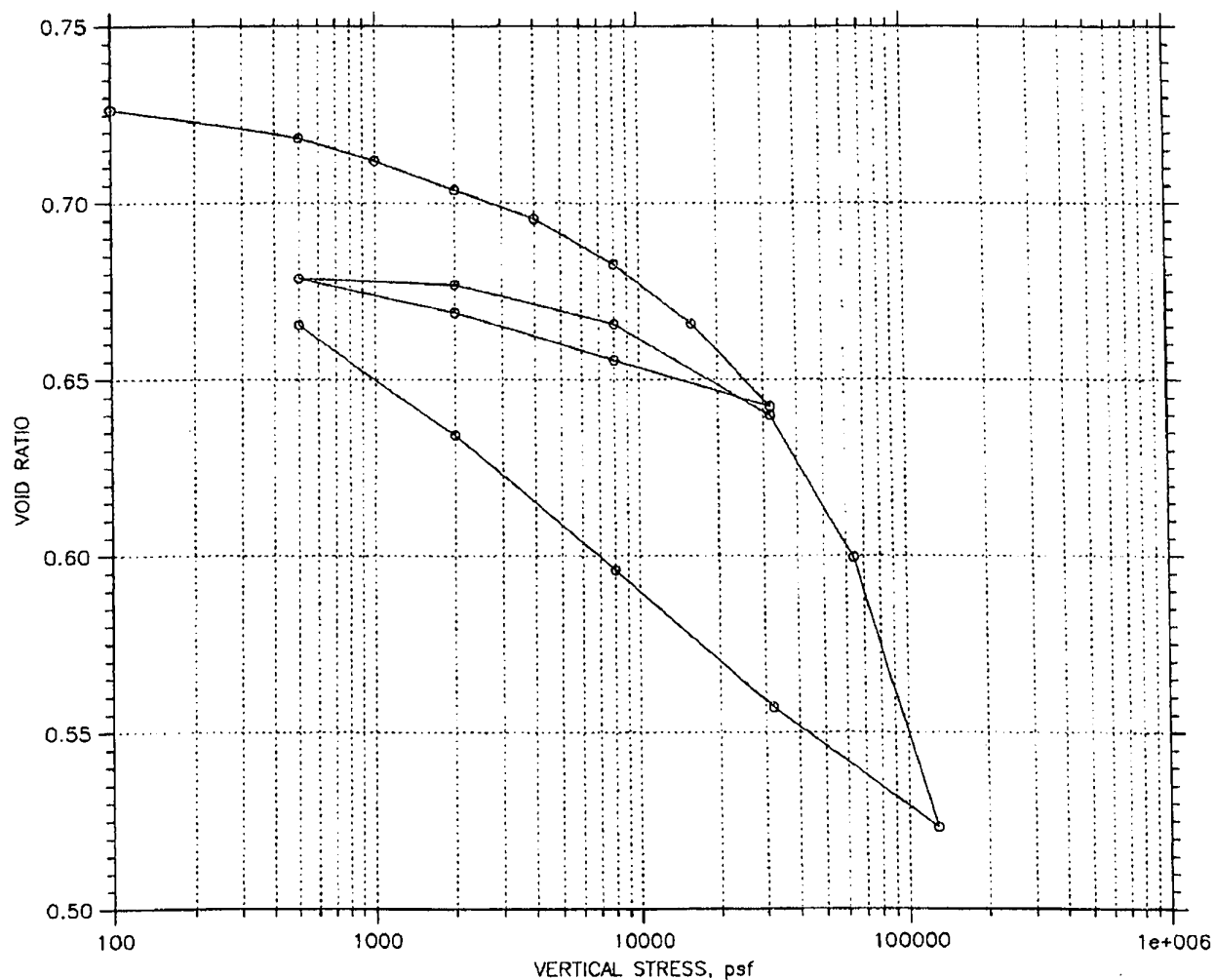
MACTEC	Project: Exelon Texas COL Victoria Location: 2274UD UD-22		Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-22	Test Date: 2/5/08	Depth: 400-401.3' 15
	Test No.: 8320	Sample Type: Undisturbed	Elevation: N/A 3/14/08
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
	Cr=0.020		

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-22	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-22	Test Date: 2/5/08	Depth: 400-401.3'
	Test No.: 8320	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.020

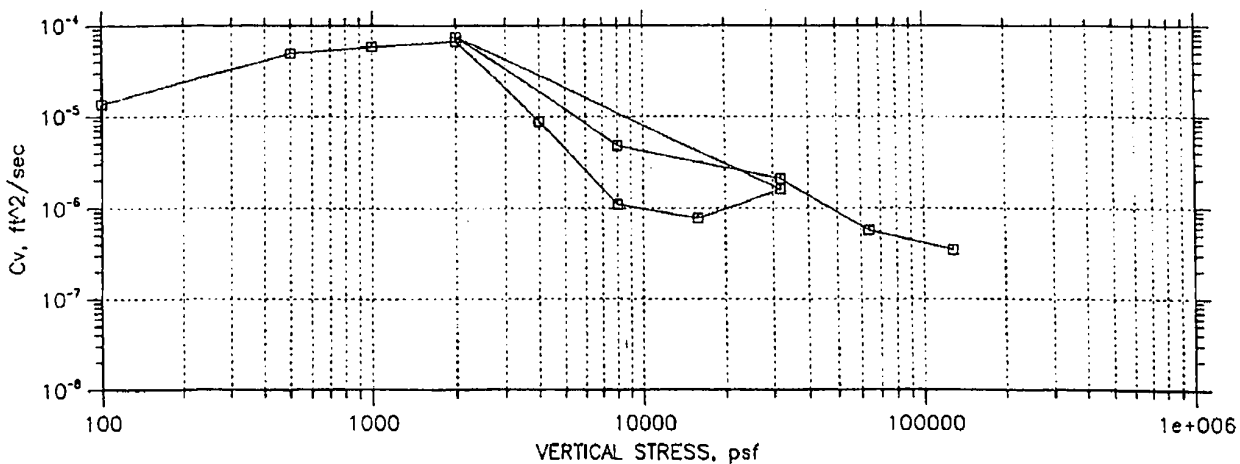
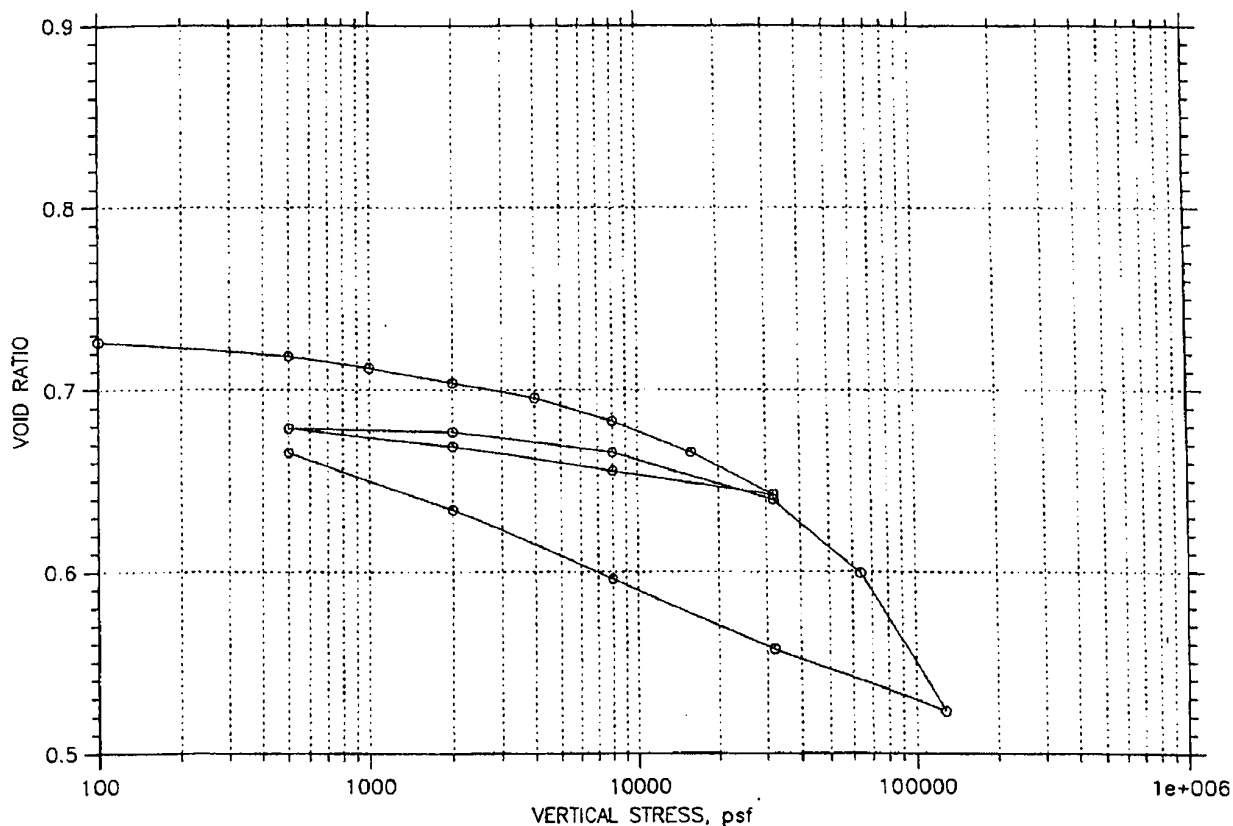
CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 2.82e+004 psf				Water Content, %	26.27	24.61
Preconsolidation Pressure: 4.96e+004 psf				Dry Unit Weight, pcf	98.23	102.
Compression Index: 0.252				Saturation, %	98.05	100.61
Diameter: 2.499 in		Height: 1 in		Void Ratio	0.73	0.67
LL: 56	PL: 25	PI: 31	GS: 2.72			

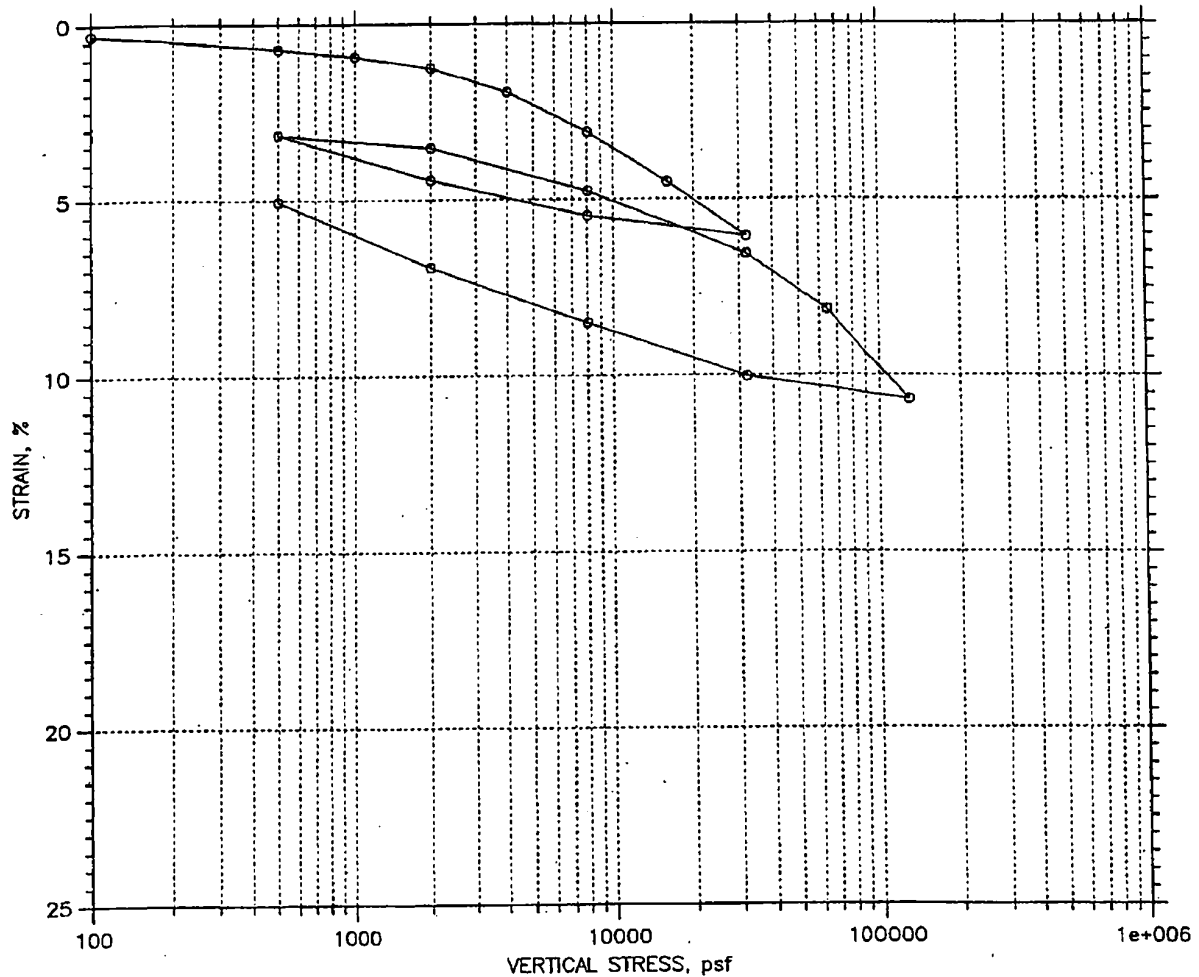
	Project: Exelon Texas COL Victoria		Location: 2274UD UD-22	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: JW	Checked By: HJ
	Sample No.: UD-22		Test Date: 2/5/08	Depth: 400-401.3' <i>HJ</i>
	Test No.: 8320		Sample Type: Undisturbed	Elevation: N/A <i>3/14/08</i>
	Description: Light Gray Fat CLAY (CH)			
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04 Cr=0.020			

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Exelon Texas COL Victoria	Location: 2274UD UD-22	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: JW	Checked By: HJ
	Sample No.: UD-22	Test Date: 2/5/08	Depth: 400-401.3'
	Test No.: 8320	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Fat CLAY (CH)		
	Remarks: CONSOLIDATION TEST REPORT By ASTM D 2435-04		
			Cr=0.020

CONSOLIDATION TEST DATA SUMMARY REPORT



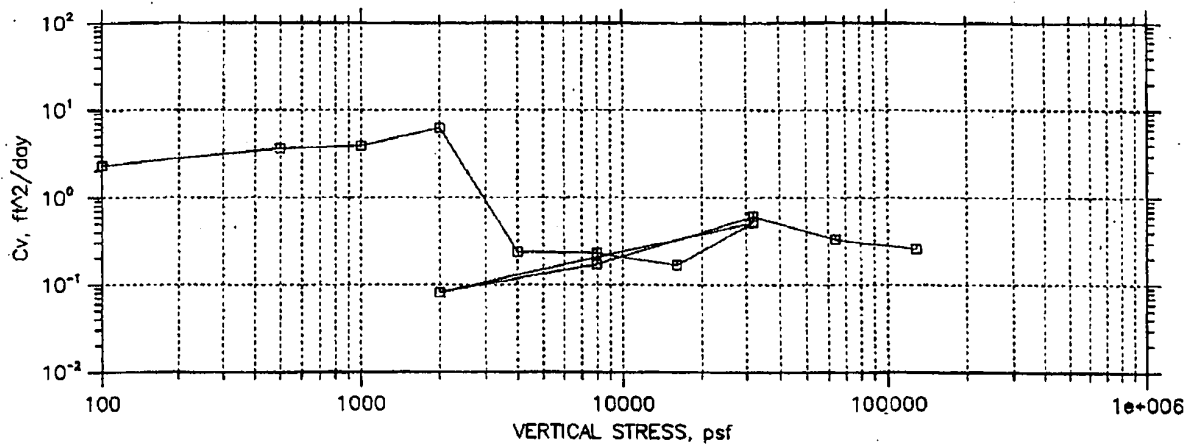
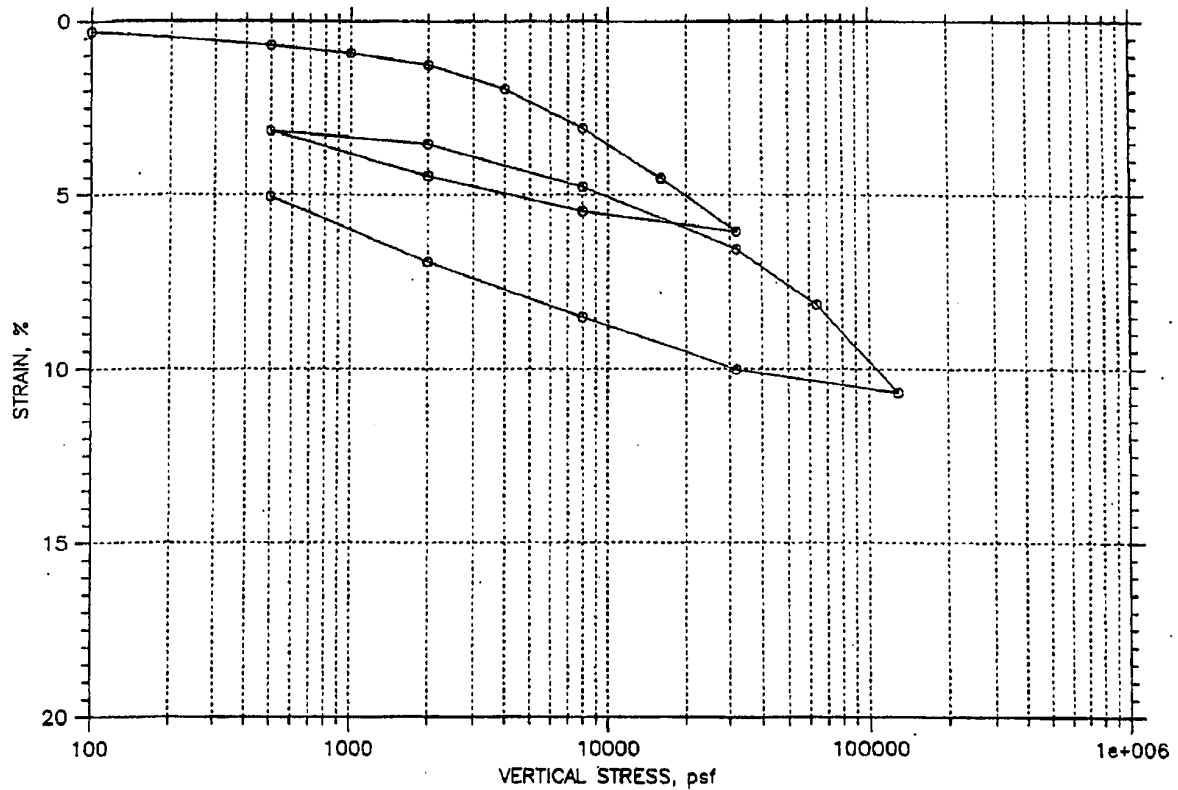
				Before Test	After Test
Overburden Pressure: 3.95e+004 psf				Water Content, %	17.75
Preconsolidation Pressure: 5.07e+004 psf				Dry Unit Weight, pcf	111.
Compression Index: 0.126				Saturation, %	92.57
Diameter: 2.499 in		Height: 0.9998 in		Void Ratio	0.52
LL: 37	PL: 15	PI: 22	GS: 2.70		
					0.44

	Project: Exelon Texas COL Victoria	Location: 2274UD UD-26	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: BM	Checked By: JW
	Sample No.: UD-26	Test Date: 3/11/08	Depth: 580-582.5' <i>JW</i>
	Test No.: 8450	Sample Type: Undisturbed	Elevation: N/A <i>4/2/08</i>
	Description: Light Gray Sandy Lean CLAY (CL)		Cr= 0.020
Remarks: ASTM D 2435-04		Calculated Saturation Result Not Considered Reliable	

Wed, 02-APR-2008 14:49:00

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CONSOLIDATION TEST DATA SUMMARY REPORT

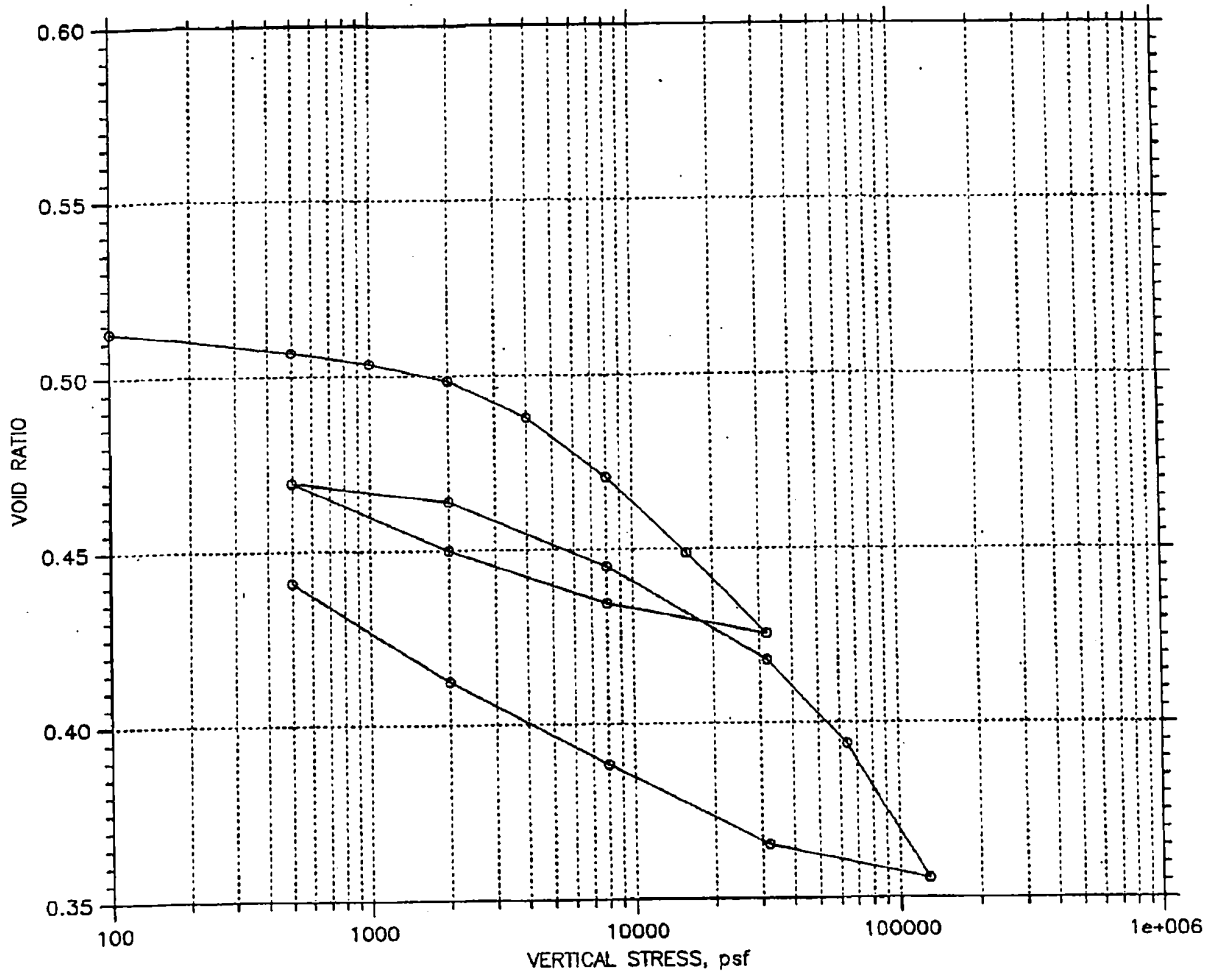


	Project: Exelon Texas COL Victoria	Location: 2274UD UD-26	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: BM	Checked By: JW
	Sample No.: UD-26	Test Date: 3/11/08	Depth: 580-582.5'
	Test No.: 8450	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL)	Cr= 0.020	
Remarks: ASTM D 2435-04		Calculated Saturation Result Not Considered Reliable	

Wed, 02-APR-2008 14:49:00

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4-2-08

CONSOLIDATION TEST DATA SUMMARY REPORT



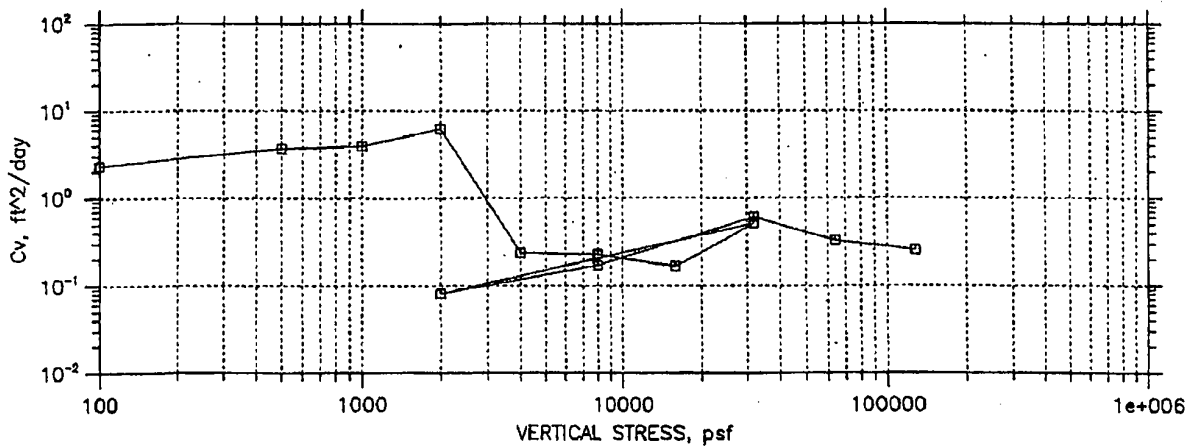
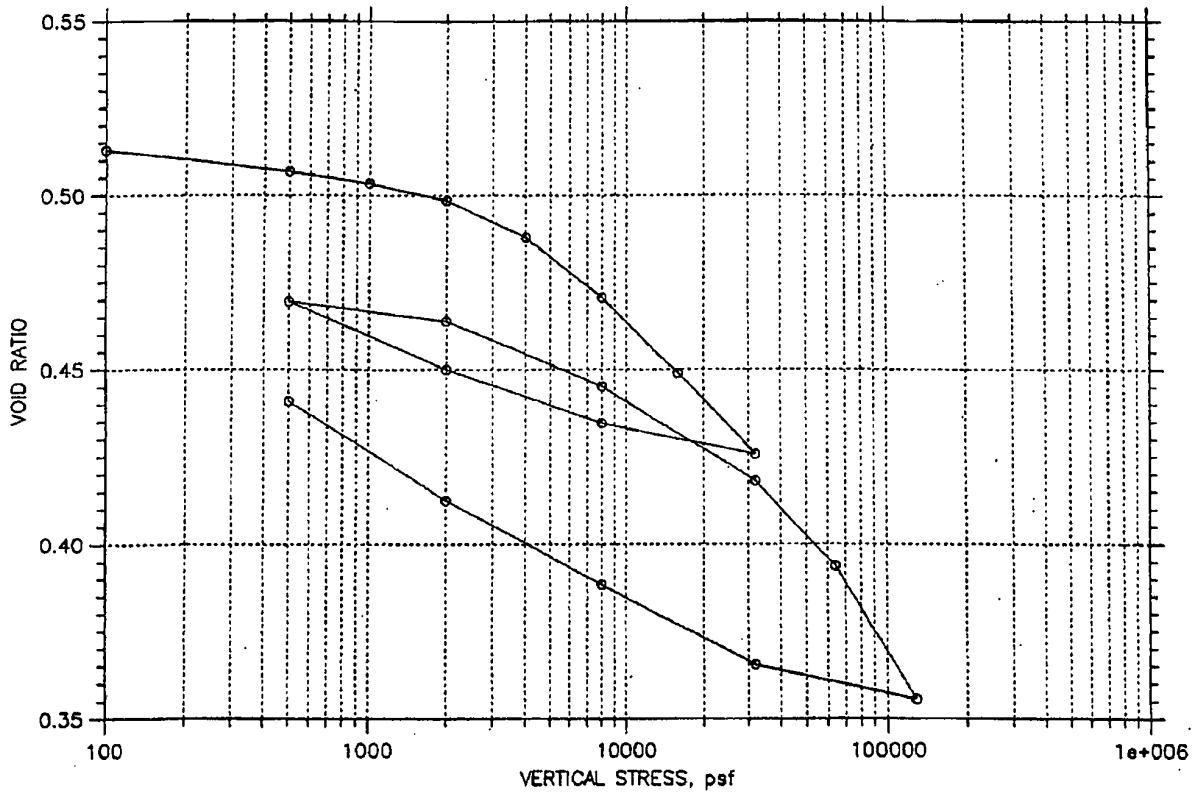
				Before Test	After Test	
Overburden Pressure: 3.95e+004 psf				Water Content, %	17.75	16.48
Preconsolidation Pressure: 5.07e+004 psf				Dry Unit Weight, pcf	111.	116.9
Compression Index: 0.126				Saturation, %	92.57	100.88
Diameter: 2.499 in		Height: 0.9998 in		Void Ratio	0.52	0.44
LL: 37	PL: 15	PI: 22	GS: 2.70			

	Project: Exelon Texas COL Victoria		Location: 2274UD UD-26	Project No.: 6468071777
	Boring No.: 2274UD		Tested By: BM	Checked By: JW
	Sample No.: UD-26		Test Date: 3/11/08	Depth: 580-582.5'
	Test No.: 8450		Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL.)			
	Remarks: ASTM D 2435-04			
				Cr= 0.020
				Calculated Saturation Result Not Considered Reliable

Wed, 02-APR-2008 14:49:10

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4-2-08

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Exelon Texas COL Victoria	Location: 2274UD UD-26	Project No.: 6468071777
	Boring No.: 2274UD	Tested By: BM	Checked By: JW <i>JW</i>
	Sample No.: UD-26	Test Date: 3/11/08	Depth: 580-582.5' <i>4/2/08</i>
	Test No.: 8450	Sample Type: Undisturbed	Elevation: N/A
	Description: Light Gray Sandy Lean CLAY (CL) Cr= 0.020		
	Remarks: ASTM D 2435-04 Calculated Saturation Result Not Considered Reliable		

Wed, 02-APR-2008 14:49:10

DSC
4-2-08

Soil Chemical Tests



ANALYTICAL REPORT

REVISED

PROJECT NO. 6468-07-1777

EXELON TEXAS COL PROJECT-VICTO

Lot #: F8D040131

Kathryn White

MACTEC ENGINEERING & CONSULTIN
1540 N. 107TH EAST AVENUE
TULSA, OK 74116

TESTAMERICA LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Ivan Vania", is written over a horizontal line.

Ivan Vania
Project Manager

April 14, 2008

LOT# F8D040131-Rev 1 13715 Rider Trail North Earth City, MO 63045 tel 314.298.8566 fax 314.298.8757 www.testamericainc.com

1 of 110

CHECKED BY: KAW 4/30/08

Case Narrative
LOT NUMBER: F8D040131 – Revision 1

This report contains the analytical results for the 59 samples received under chain of custody by TestAmerica St. Louis on April 4, 2008. These samples are associated with your EXELON TEXAS COL PROJECT-VICTO project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Method 9045C is listed on the results report due to a limitation of the laboratory's data reporting system. However, method 9045D was used for the analysis of pH. This can be verified by observation of the lab bench worksheets in the raw data package.

This revision contains corrections for a sample ID.

Observations/Nonconformances

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Anions (MCAWW 300.0A)

The MS recoveries for Sulfate in batch 8101311, Chloride in batch 8101313, and Chloride in batch 8101315 are outside the established QC limits. Matrix interference is physically evident in the soil sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F8D040131 (1): B-2160 SS-19
F8D040131 (2): B-2160 SS-20
F8D040131 (3): B-2160 SS-22
F8D040131 (4): B-2160 SS-24
F8D040131 (5): B-2160 SS-26
F8D040131 (6): B-2160 SS-28
F8D040131 (7): B-2160 SS-29
F8D040131 (8): B-2265 SS-2
F8D040131 (9): B-2265 SS-4
F8D040131 (10): B-2265 SS-6
F8D040131 (11): B-2265 SS-16
F8D040131 (12): B-2265 SS-18
F8D040131 (13): B-2265 SS-21
F8D040131 (14): B-2265 SS-22

(narrative continued on next page)

F8D040131 (15): B-2265 SS-23B
 F8D040131 (16): B-2265 SS-26
 F8D040131 (17): B-2265 SS-8
 F8D040131 (18): B-2265 SS-12
 F8D040131 (19): B-2265 SS-14
 F8D040131 (20): B-2160 SS-2
 F8D040131 (21): B-2160 SS-4
 F8D040131 (22): B-2160 SS-8
 F8D040131 (23): B-2265 SS-10
 F8D040131 (24): B-2160 SS-12
 F8D040131 (25): B-2160 SS-14
 F8D040131 (26): B-2160 SS-18
 F8D040131 (27): B-2160 SS-6
 F8D040131 (28): B-2151 SS-1
 F8D040131 (29): B-2151 SS-3
 F8D040131 (30): B-2151 SS-5
 F8D040131 (31): B-2151 SS-7
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 F8D040131 (38): B-2151 SS-21
 F8D040131 (39): B-2151 SS-23
 F8D040131 (40): B-2151 SS-25
 F8D040131 (41): B-2151 SS-28
 F8D040131 (42): B-2251 SS-1
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 F8D040131 (47): B-2251 SS-11
 F8D040131 (48): B-2251 SS-13
 F8D040131 (49): B-2251 SS-15
 F8D040131 (50): B-2251 SS-17
 F8D040131 (51): B-2251 SS-19
 F8D040131 (52): B-2251 SS-21
 F8D040131 (53): B-2251 SS-23
 F8D040131 (54): B-2251 SS-25
 F8D040131 (55): B-2251 SS-27
 F8D040131 (56): B-2251 SS-28
 F8D040131 (57): B-2151 SS-26
 F8D040131 (58): B-2160 SS-11
 F8D040131 (59): B-2160 SS-15

There were no other nonconformances or observations noted with any analysis on this lot.

METHODS SUMMARY

F8D040131

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Chloride	MCAWW 300.0A	MCAWW 300.0A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA
Sulfate	MCAWW 300.0A	MCAWW 300.0A

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F8D040131

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
KKPRF	001	B-2160	SS-19	01/29/08	
KKPR4	002	B-2160	SS-20	01/29/08	
KKPR5	003	B-2160	SS-22	01/29/08	
KKPR7	004	B-2160	SS-24	01/29/08	
KKPR8	005	B-2160	SS-26	01/29/08	
KKPTC	006	B-2160	SS-28	01/29/08	
KKPTD	007	B-2160	SS-29	01/29/08	
KKPTF	008	B-2265	SS-2	01/29/08	
KKPTK	009	B-2265	SS-4	01/29/08	
KKPTL	010	B-2265	SS-6	01/29/08	
KKPTN	011	B-2265	SS-16	01/29/08	
KKPTP	012	B-2265	SS-18	01/29/08	
KKPTT	013	B-2265	SS-21	01/29/08	
KKPTW	014	B-2265	SS-22	01/29/08	
KKPT0	015	B-2265	SS-23B	01/29/08	
KKPT1	016	B-2265	SS-26	01/29/08	
KKPT2	017	B-2265	SS-8	01/29/08	
KKPT4	018	B-2265	SS-12	01/29/08	
KKPT5	019	B-2265	SS-14	01/29/08	
KKPT6	020	B-2160	SS-2	01/29/08	
KKPVR	021	B-2160	SS-4	01/29/08	
KKPVX	022	B-2160	SS-8	01/29/08	
KKPV0	023	B-2265	SS-10	01/29/08	
KKPV1	024	B-2160	SS-12	01/29/08	
KKPV2	025	B-2160	SS-14	01/29/08	
KKPV4	026	B-2160	SS-18	01/29/08	
KKPV6	027	B-2160	SS-6	01/29/08	
KKPWH	028	B-2151	SS-1	01/29/08	
KKPWK	029	B-2151	SS-3	01/29/08	
KKPWL	030	B-2151	SS-5	01/29/08	
KKPWM	031	B-2151	SS-7	01/29/08	
KKPWN	032	B-2151	SS-9	01/29/08	
KKPWP	033	B-2151	SS-11	01/29/08	
KKPWX	034	B-2151	SS-13	01/29/08	
KKPW0	035	B-2151	SS-15	01/29/08	
KKPW1	036	B-2151	SS-17	01/29/08	

(Continued on next page)

SAMPLE SUMMARY

F8D040131

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KKPW3	037	B-2151 SS-19	01/29/08	
KKPW4	038	B-2151 SS-21	01/29/08	
KKPW5	039	B-2151 SS-23	01/29/08	
KKPW6	040	B-2151 SS-25	01/29/08	
KKPW8	041	B-2151 SS-28	01/29/08	
KKPXA	042	B-2251 SS-1	01/29/08	
KKPXC	043	B-2251 SS-3	01/29/08	
KKPXE	044	B-2251 SS-5	01/29/08	
KKPXF	045	B-2251 SS-7	01/29/08	
KKPXG	046	B-2251 SS-9	01/29/08	
KKPXH	047	B-2251 SS-11	01/29/08	
KKPXJ	048	B-2251 SS-13	01/29/08	
KKPXK	049	B-2251 SS-15	01/29/08	
KKPXL	050	B-2251 SS-17	01/29/08	
KKPXM	051	B-2251 SS-19	01/29/08	
KKPXN	052	B-2251 SS-21	01/29/08	
KKPXQ	053	B-2251 SS-23	01/29/08	
KKPXR	054	B-2251 SS-25	01/29/08	
KKPXW	055	B-2251 SS-27	01/29/08	
KKPXX	056	B-2251 SS-28	01/29/08	
KKPX3	057	B-2151 SS-26	02/01/08	
KKPX5	058	B-2160 SS-11	02/01/08	
KKPX6	059	B-2160 SS-15	02/01/08	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

LOT# F8D040131-Rev 1

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MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-19

General Chemistry

Lot-Sample #...: F8D040131-001 Work Order #...: KKPRF Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	30.1	11.9	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 5	Analysis Time...: 01:23		
Percent Moisture	16.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	42.5	29.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 5	Analysis Time...: 01:23		

NOTE(S):

RL: Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-20

General Chemistry

Lot-Sample #...: F8D040131-002 Work Order #...: KKPR4 Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	34.0	2.5	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 01:35		
Percent Moisture	19.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	78.0	6.2	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 01:35		

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-22

General Chemistry

Lot-Sample #...: F8D040131-003 Work Order #...: KKPR5 Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	28.3	11.8	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 5	Analysis Time...: 01:48		
Percent Moisture	15.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	47.2	29.6	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 5	Analysis Time...: 01:48		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-24

General Chemistry

Lot-Sample #...: F8D040131-004

Work Order #...: KKPR7

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	36.2	2.6	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 02:00		
Percent Moisture	22.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	44.0	6.4	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 02:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-26

General Chemistry

Lot-Sample #....: F8D040131-005 Work Order #....: KKPR8 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098286
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	38.1	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
		Dilution Factor: 1		Analysis Time...: 02:12		
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	22.1	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
		Dilution Factor: 1		Analysis Time...: 02:12		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-28

General Chemistry

Lot-Sample #...: F8D040131-006 Work Order #...: KKPTC Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	14.6	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 02:25		
Percent Moisture	12.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	11.9	5.7	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 02:25		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-29

General Chemistry

Lot-Sample #....: F8D040131-007 Work Order #....: KKPTD Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	25.7	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 02:37		
Percent Moisture	12.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	24.2	5.7	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 02:37		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-2

General Chemistry

Lot-Sample #....: F8D040131-008 Work Order #....: KKPTF Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.4	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	14.0	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 02:49		
Percent Moisture	14.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	7.4	5.9	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 02:49		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-4

General Chemistry

Lot-Sample #...: F8D040131-009 Work Order #...: KKPTK Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.4	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	4.4	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 03:00		
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	4.5 B	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 03:00		

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-6

General Chemistry

Lot-Sample #...: F8D040131-010
Date Sampled...: 01/29/08
% Moisture.....: 17

Work Order #...: KKPTL
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.2	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	5.5	2.4	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 03:12		
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	5.8 B	6.0	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 03:12		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-16

General Chemistry

Lot-Sample #...: F8D040131-011 Work Order #...: KKPTN Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	7.0	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 03:46		
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	19.7	5.6	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 03:46		

NOTE (S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-18

General Chemistry

Lot-Sample #...: F8D040131-012
Date Sampled...: 01/29/08
% Moisture.....: 11

Work Order #...: KKPTP
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	17.1	2.2	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 03:57		
Percent Moisture	10.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	44.2	5.6	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 03:57		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-21

General Chemistry

Lot-Sample #...: F8D040131-013
Date Sampled...: 01/29/08
% Moisture.....: 16

Work Order #...: KKPTT
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.1	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	16.6	2.4	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 04:09		
Percent Moisture	16.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	19.5	6.0	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 04:09		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-22

General Chemistry

Lot-Sample #....: F8D040131-014 Work Order #....: KKPTW Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	40.7	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 04:20		
Percent Moisture	14.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	22.5	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 04:20		

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-23B

General Chemistry

Lot-Sample #...: F8D040131-015
Date Sampled...: 01/29/08
% Moisture.....: 8.5

Work Order #...: KKPT0
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	18.6	2.2	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 04:31		
Percent Moisture	8.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	18.7	5.5	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 04:31		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-26

General Chemistry

Lot-Sample #...: F8D040131-016

Work Order #...: KKPT1

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	34.7	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 04:43		
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	23.8	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 04:43		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-8

General Chemistry

Lot-Sample #....: F8D040131-017 Work Order #....: KKPT2 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098286
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	5.1	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
		Dilution Factor: 1		Analysis Time...: 04:54		
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	3.9 B	5.6	mg/kg	MCAWW 300.0A	04/10/08	8101311
		Dilution Factor: 1		Analysis Time...: 04:54		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-12

General Chemistry

Lot-Sample #....: F8D040131-018 Work Order #....: KKPT4 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	8.1	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 1	Analysis Time...: 05:06		
Percent Moisture	13.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	3.6 B	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 05:06		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-14

General Chemistry

Lot-Sample #....: F8D040131-019 Work Order #....: KKPT5 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 9.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.9	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	21.7	11.0	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 5	Analysis Time...: 06:03		
Percent Moisture	9.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	54.8	5.5	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 05:17		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-2

General Chemistry

Lot-Sample #...: F8D040131-020
Date Sampled...: 01/29/08
% Moisture.....: 22

Work Order #...: KKPT6
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045C	04/08/08	8098286
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	18.0	12.8	mg/kg	MCAWW 300.0A	04/10/08	8101310
			Dilution Factor: 5	Analysis Time...: 06:37		
Percent Moisture	21.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098036
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	69.2	6.4	mg/kg	MCAWW 300.0A	04/10/08	8101311
			Dilution Factor: 1	Analysis Time...: 05:29		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-4

General Chemistry

Lot-Sample #...: F8D040131-021 Work Order #...: KKPVR Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	196 J	22.5	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 07:46		
Percent Moisture	11.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	452	56.3	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 07:46		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-8

General Chemistry

Lot-Sample #...: F8D040131-022

Work Order #...: KKPVX

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045C	04/08/08	8098288
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	282 J	24.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
		Dilution Factor: 10		Analysis Time...: 04:54		
Percent Moisture	18.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	724	61.1	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101314
		Dilution Factor: 10		Analysis Time...: 04:54		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2265 SS-10

General Chemistry

Lot-Sample #....: F8D040131-023 Work Order #....: KKPVO Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	04/08/08	8098288
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	5.4 J	2.2	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
		Dilution Factor: 1		Analysis Time...: 05:06		
Percent Moisture	10.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	3.8 B	5.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101314
		Dilution Factor: 1		Analysis Time...: 05:06		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Y

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-12

General Chemistry

Lot-Sample #....: F8D040131-024 Work Order #....: KKPV1 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	157 J	23.8	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 08:20		
Percent Moisture	16.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	382	59.6	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 08:20		

NOTE(S):

RL: Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-14

General Chemistry

Lot-Sample #...: F8D040131-025

Work Order #...: KKPV2

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	50.3 J	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101313
		Dilution Factor: 1		Analysis Time...: 08:31		
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	184	5.7	mg/kg	MCAWW 300.0A	04/10/08	8101314
		Dilution Factor: 1		Analysis Time...: 08:31		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-18

General Chemistry

Lot-Sample #....: F8D040131-026 Work Order #....: KKPV4 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	61.4 J	23.9	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 08:43		
Percent Moisture	16.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	135	59.8	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 08:43		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-6

General Chemistry

Lot-Sample #....: F8D040131-027

Work Order #....: KKPV6

Matrix.....: SOLID

Date Sampled....: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	7.7	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	141 J	23.5	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 08:54		
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	4290	294	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101314
			Dilution Factor: 50	Analysis Time...: 05:17		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-1

General Chemistry

Lot-Sample #...: F8D040131-028 Work Order #...: KKPWH Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SWB46 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	108 J	23.4	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 09:17		
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	49.1	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 09:06		

NOTE(S):

RL: Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-3

General Chemistry

Lot-Sample #....: F8D040131-029 Work Order #....: KKPWK Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.1	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	541 J	23.5	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 09:28		
Percent Moisture	14.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	397	58.7	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 09:28		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-5

General Chemistry

Lot-Sample #....: F8D040131-030 Work Order #....: KKPWL Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	293 J	22.8	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 10:03		
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	1420	56.9	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 10:03		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-7

General Chemistry

Lot-Sample #...: F8D040131-031 Work Order #...: KKPWM Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	683 J	47.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
			Dilution Factor: 20	Analysis Time...: 05:51		
Percent Moisture	16.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	613	59.7	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 10:14		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-9

General Chemistry

Lot-Sample #...: F8D040131-032 Work Order #...: KKPWN Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.2	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	630 J	48.9	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 20	Analysis Time...: 10:26		
Percent Moisture	18.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	477	122	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 20	Analysis Time...: 10:26		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-11

General Chemistry

Lot-Sample #....: F8D040131-033
 Date Sampled....: 01/29/08
 % Moisture.....: 23

Work Order #....: KKPWP
 Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.1	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	573 J	25.9	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 10	Analysis Time...: 10:37		
Percent Moisture	22.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	573	64.8	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 10	Analysis Time...: 10:37		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-13

General Chemistry

Lot-Sample #...: F8D040131-034 Work Order #...: KKPWX Matrix.....: SOLID
 Date Sampled...: 01/29/08 Date Received...: 04/04/08
 % Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	58.1 J	2.4	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 1	Analysis Time...: 10:48		
Percent Moisture	15.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	63.4	5.9	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 10:48		

NOTE(S):

RL Reporting Limit

Results and Reporting Limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-15

General Chemistry

Lot-Sample #....: F8D040131-035

Work Order #....: KKPW0

Matrix.....: SOLID

Date Sampled....: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.9	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	21.6 J	2.3	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 1	Analysis Time...: 11:00		
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	43.8	5.8	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 11:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-17

General Chemistry

Lot-Sample #...: F8D040131-036 Work Order #...: KKPW1 Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	43.2 J	2.5	mg/kg	MCAWW 300.0A	04/10/08	8101313
			Dilution Factor: 1	Analysis Time...: 11:11		
Percent Moisture	21.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	121	6.3	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 11:11		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-19

General Chemistry

Lot-Sample #....: F8D040131-037 Work Order #....: KKPW3 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	66.6 J	4.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
			Dilution Factor: 2	Analysis Time...: 06:03		
Percent Moisture	12.7	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	55.2	5.7	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 11:23		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-21

General Chemistry

Lot-Sample #...: F8D040131-038

Work Order #...: KKPW4

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	56.9 J	4.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
			Dilution Factor: 2	Analysis Time...: 06:14		
Percent Moisture	12.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	37.4	5.7	mg/kg	MCAWW 300.0A	04/10/08	8101314
			Dilution Factor: 1	Analysis Time...: 11:34		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-23

General Chemistry

Lot-Sample #....: F8D040131-039 Work Order #....: KKPW5 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 9.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.4	0.10	No Units	SW846 9045C	04/08/08	8098288
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	74.7 J	4.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
		Dilution Factor: 2		Analysis Time...: 06:26		
Percent Moisture	9.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	108	5.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101314
		Dilution Factor: 1		Analysis Time...: 12:31		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-25

General Chemistry

Lot-Sample #....: F8D040131-040 Work Order #....: KKPW6 Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	77.7 J	24.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101313
			Dilution Factor: 10	Analysis Time...: 12:54		
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098037
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	24.0	6.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101314
			Dilution Factor: 1	Analysis Time...: 12:43		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-28

General Chemistry

Lot-Sample #...: F8D040131-041

Work Order #...: KKPW8

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	93.4	11.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 5	Analysis Time...: 10:37		
Percent Moisture	12.7	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	22.9	5.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 10:26		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight:

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-1

General Chemistry

Lot-Sample #...: F8D040131-042 Work Order #...: KKPXA Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	7.2	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	15.6	2.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 10:49		
Percent Moisture	14.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	96.3	5.9	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 10:49		

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-3

General Chemistry

Lot-Sample #...: F8D040131-043
Date Sampled...: 01/29/08
% Moisture.....: 14

Work Order #...: KKPXC
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.2	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	321	23.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 10	Analysis Time...: 11:00		
Percent Moisture	14.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	196	58.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 10	Analysis Time...: 11:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-5

General Chemistry

Lot-Sample #....: F8D040131-044

Work Order #....: KKPXE

Matrix.....: SOLID

Date Sampled....: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098289
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	198	23.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 10		Analysis Time...: 11:46		
Percent Moisture	15.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	35.5	5.9	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 1		Analysis Time...: 11:34		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-7

General Chemistry

Lot-Sample #...: F8D040131-045 Work Order #...: KKPXF Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	241	25.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 10	Analysis Time...: 11:57		
Percent Moisture	21.9	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	250	64.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 10	Analysis Time...: 11:57		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-9

General Chemistry

Lot-Sample #...: F8D040131-046 Work Order #...: KKPXG Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	173	23.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 10	Analysis Time...: 12:09		
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	220	58.8	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 10	Analysis Time...: 12:09		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-11

General Chemistry

Lot-Sample #....: F8D040131-047 Work Order #....: KKPXH Matrix.....: SOLID
Date Sampled....: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	32.7	2.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 01:17		
Percent Moisture	12.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	59.2	5.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 01:17		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-13

General Chemistry

Lot-Sample #...: F8D040131-048 Work Order #...: KKPXJ Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	39.0	2.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 01:29		
Percent Moisture	16.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	15.8	6.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 01:29		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-15

General Chemistry

Lot-Sample #...: F8D040131-049
Date Sampled...: 01/29/08
% Moisture.....: 12

Work Order #...: KKPXK
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	223	22.8	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 10	Analysis Time...: 01:51		
Percent Moisture	12.4	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	22.0	5.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 01:40		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-17

General Chemistry

Lot-Sample #...: F8D040131-050

Work Order #...: KKPXL

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.4	0.10	No Units	SW846 9045C	04/08/08	8098289
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	50.1	2.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 1		Analysis Time...: 02:03		
Percent Moisture	23.2	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	124	6.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 1		Analysis Time...: 02:03		

NOTE(S):

RL Reporting Limit

...Results and reporting limits have been adjusted for dry weight...

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-19

General Chemistry

Lot-Sample #....: F8D040131-051
Date Sampled....: 01/29/08
% Moisture.....: 15

Work Order #....: KKPXM
Date Received...: 04/04/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.7	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	30.8	2.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 02:14		
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	29.9	5.9	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 02:14		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-21

General Chemistry

Lot-Sample #...: F8D040131-052 Work Order #...: KKPXN Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	97.1	11.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 5	Analysis Time...: 02:37		
Percent Moisture	12.6	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	23.2	5.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 02:26		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-23

General Chemistry

Lot-Sample #...: F8D040131-053 Work Order #...: KKPXQ Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	455	25.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 10	Analysis Time...: 03:00		
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	25.2	6.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 02:49		

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-25

General Chemistry

Lot-Sample #...: F8D040131-054

Work Order #...: KKPXR

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	42.0	2.5	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 03:34		
Percent Moisture	19.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	29.6	6.2	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 03:34		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-27

General Chemistry

Lot-Sample #...: F8D040131-055 Work Order #...: KKPXW Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.8	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	42.3	2.3	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 03:46		
Percent Moisture	12.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	17.0	5.7	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 03:46		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2251 SS-28

General Chemistry

Lot-Sample #...: F8D040131-056 Work Order #...: KKPXX Matrix.....: SOLID
Date Sampled...: 01/29/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	04/08/08	8098289
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	59.2	2.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 1		Analysis Time...: 03:57		
Percent Moisture	16.0	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	17.2	6.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 1		Analysis Time...: 03:57		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2151 SS-26

General Chemistry

Lot-Sample #...: F8D040131-057 Work Order #...: KKPX3 Matrix.....: SOLID
Date Sampled...: 02/01/08 Date Received...: 04/04/08
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	80.3	12.1	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 5	Analysis Time...: 04:20		
Percent Moisture	17.5	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	36.5	6.1	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 04:09		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-11

General Chemistry

Lot-Sample #...: F8D040131-058 Work Order #...: KKPX5 Matrix.....: SOLID
Date Sampled...: 02/01/08 Date Received...: 04/04/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.1	0.10	No Units	SW846 9045C	04/08/08	8098289
		Dilution Factor: 1		Analysis Time...: 00:00		
Chloride	280	25.6	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 10		Analysis Time...: 04:31		
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	556	64.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 10		Analysis Time...: 04:31		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: B-2160 SS-15

General Chemistry

Lot-Sample #...: F8D040131-059 Work Order #...: KKPX6 Matrix.....: SOLID
Date Sampled...: 02/01/08 Date Received...: 04/04/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	36.4	2.4	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101315
			Dilution Factor: 1	Analysis Time...: 04:43		
Percent Moisture	16.3	0.10	%	MCAWW 160.3 MOD	04/07-04/08/08	8098038
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	117	6.0	mg/kg	MCAWW 300.0A	04/10-04/11/08	8101316
			Dilution Factor: 1	Analysis Time...: 04:43		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight:

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F8D040131

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: KK7EF1AA 2.0	mg/kg	MB Lot-Sample #: F8D100000-310 MCAWW 300.0A	04/10/08	8101310
		Dilution Factor: 1 Analysis Time...: 12:58				
Chloride	0.58 B	Work Order #: KK7EJ1AA 2.0	mg/kg	MB Lot-Sample #: F8D100000-313 MCAWW 300.0A	04/10/08	8101313
		Dilution Factor: 1 Analysis Time...: 07:34				
Chloride	ND	Work Order #: KK7EM1AA 2.0	mg/kg	MB Lot-Sample #: F8D100000-315 MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 1 Analysis Time...: 10:01				
Sulfate	ND	Work Order #: KK7EG1AA 5.0	mg/kg	MB Lot-Sample #: F8D100000-311 MCAWW 300.0A	04/10/08	8101311
		Dilution Factor: 1 Analysis Time...: 12:58				
Sulfate	ND	Work Order #: KK7EL1AA 5.0	mg/kg	MB Lot-Sample #: F8D100000-314 MCAWW 300.0A	04/10/08	8101314
		Dilution Factor: 1 Analysis Time...: 07:34				
Sulfate	ND	Work Order #: KK7EP1AA 5.0	mg/kg	MB Lot-Sample #: F8D100000-316 MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 1 Analysis Time...: 10:01				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	100	Work Order #: KKVKK1AA (99 - 101)	LCS Lot-Sample#: F8D070000-286 SW846 9045C	04/08/08	8098286
		Dilution Factor: 1	Analysis Time...: 00:00		
pH (solid)	100	Work Order #: KKVKK1AA (99 - 101)	LCS Lot-Sample#: F8D070000-288 SW846 9045C	04/08/08	8098288
		Dilution Factor: 1	Analysis Time...: 00:00		
pH (solid)	100	Work Order #: KKVKM1AA (99 - 101)	LCS Lot-Sample#: F8D070000-289 SW846 9045C	04/08/08	8098289
		Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	105	Work Order #: KK7EF1AC (90 - 110)	LCS Lot-Sample#: F8D100000-310 MCAWW 300.0A	04/10/08	8101310
		Dilution Factor: 1	Analysis Time...: 01:10		
Chloride	105	Work Order #: KK7BJ1AC (90 - 110)	LCS Lot-Sample#: F8D100000-313 MCAWW 300.0A	04/10/08	8101313
		Dilution Factor: 1	Analysis Time...: 07:23		
Chloride	106	Work Order #: KK7EM1AC (90 - 110)	LCS Lot-Sample#: F8D100000-315 MCAWW 300.0A	04/10-04/11/08	8101315
		Dilution Factor: 1	Analysis Time...: 09:50		
Sulfate	105	Work Order #: KK7EG1AC (90 - 110)	LCS Lot-Sample#: F8D100000-311 MCAWW 300.0A	04/10/08	8101311
		Dilution Factor: 1	Analysis Time...: 01:10		
Sulfate	108	Work Order #: KK7EL1AC (90 - 110)	LCS Lot-Sample#: F8D100000-314 MCAWW 300.0A	04/10/08	8101314
		Dilution Factor: 1	Analysis Time...: 07:23		
Sulfate	107	Work Order #: KK7EP1AC (90 - 110)	LCS Lot-Sample#: F8D100000-316 MCAWW 300.0A	04/10-04/11/08	8101316
		Dilution Factor: 1	Analysis Time...: 09:50		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F8D040131

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	7.00	7.02	No Units	100	SW846 9045C	04/08/08	8098286
Work Order #: KKVKK1AA LCS Lot-Sample#: F8D070000-286 Dilution Factor: 1 Analysis Time...: 00:00							
pH (solid)	7.00	7.03	No Units	100	SW846 9045C	04/08/08	8098288
Work Order #: KKVKL1AA LCS Lot-Sample#: F8D070000-288 Dilution Factor: 1 Analysis Time...: 00:00							
pH (solid)	7.00	7.01	No Units	100	SW846 9045C	04/08/08	8098289
Work Order #: KKVKM1AA LCS Lot-Sample#: F8D070000-289 Dilution Factor: 1 Analysis Time...: 00:00							
Chloride	20.0	21.1	mg/kg	105	MCAWW 300.0A	04/10/08	8101310
Work Order #: KK7EF1AC LCS Lot-Sample#: F8D100000-310 Dilution Factor: 1 Analysis Time...: 01:10							
Chloride	20.0	21.0	mg/kg	105	MCAWW 300.0A	04/10/08	8101313
Work Order #: KK7EJ1AC LCS Lot-Sample#: F8D100000-313 Dilution Factor: 1 Analysis Time...: 07:23							
Chloride	20.0	21.1	mg/kg	106	MCAWW 300.0A	04/10-04/11/08	8101315
Work Order #: KK7EM1AC LCS Lot-Sample#: F8D100000-315 Dilution Factor: 1 Analysis Time...: 09:50							
Sulfate	80.0	83.8	mg/kg	105	MCAWW 300.0A	04/10/08	8101311
Work Order #: KK7EG1AC LCS Lot-Sample#: F8D100000-311 Dilution Factor: 1 Analysis Time...: 01:10							
Sulfate	80.0	86.5	mg/kg	108	MCAWW 300.0A	04/10/08	8101314
Work Order #: KK7EL1AC LCS Lot-Sample#: F8D100000-314 Dilution Factor: 1 Analysis Time...: 07:23							
Sulfate	80.0	85.3	mg/kg	107	MCAWW 300.0A	04/10-04/11/08	8101316
Work Order #: KK7EP1AC LCS Lot-Sample#: F8D100000-316 Dilution Factor: 1 Analysis Time...: 09:50							

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

Percent Moisture: 0.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	110	Work Order #...: KKPT61AG (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-020 04/10/08	8101310
		Dilution Factor: 5		Analysis Time...: 06:37	
Chloride	111 N	Work Order #...: KKPWP1AF (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-033 04/10-04/11/08	8101313
		Dilution Factor: 10		Analysis Time...: 10:37	
Chloride	117 N	Work Order #...: KKPXC1AF (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-043 04/10-04/11/08	8101315
		Dilution Factor: 10		Analysis Time...: 11:00	
Sulfate	82 N	Work Order #...: KKPT61AJ (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-020 04/10/08	8101311
		Dilution Factor: 1		Analysis Time...: 05:29	
Sulfate	107	Work Order #...: KKPWP1AH (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-033 04/10-04/11/08	8101314
		Dilution Factor: 10		Analysis Time...: 10:37	
Sulfate	109	Work Order #...: KKPXC1AH (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8D040131-043 04/10-04/11/08	8101316
		Dilution Factor: 10		Analysis Time...: 11:00	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Work Order #...: KKPW6-SMP
KKPW6-DUP

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received..: 04/04/08

* Moisture.....: 17

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	16.8	17.0	%	1.1	(0-30)	SD Lot-Sample #: MCAWW 160.3 MOD	F8D040131-040 04/07-04/08/08	8098037
Dilution Factor: 1				Analysis Time... 00:00				

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F8D040131 Work Order #....: KKPX6-SMP Matrix.....: SOLID

KKPX6-DUP

Date Sampled....: 02/01/08

Date Received...: 04/04/08

% Moisture.....: 16

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	16.3	14.3	%	13	(0-30)	MCAWW 160.3 MOD	04/07-04/08/08	8098038
Dilution Factor: 1						Analysis Time...: 00:00		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Work Order #...: KKPRF-SMP
KKPRF-DUP

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 16

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
pH (solid)	8.5	8.6	No Units	1.5	(0-0.0)	SW846 9045C	04/08/08	8098286
				Dilution Factor: 1	Analysis Time...: 00:00			

SD Lot-Sample #: F8D040131-001

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F8D040131 Work Order #....: KKPVR-SMP Matrix.....: SOLID

KKPVR-DUP

Date Sampled....: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 11

<u>PARAM</u>	<u>RBSULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
pH (solid)						SD Lot-Sample #: F8D040131-021		
	7.7	7.7	No Units	0.65	(0-0.0)	SW846 9045C	04/08/08	8098288
			Dilution Factor: 1		Analysis Time...: 00:00			

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131 Work Order #...: KKPW8-SMP Matrix.....: SOLID

KKPW8-DUP

Date Sampled...: 01/29/08 Date Received...: 04/04/08

% Moisture.....: 13

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
pH (solid)						SD Lot-Sample #: F8D040131-041		
8.6		8.4	No Units	1.4	(0-0.0)	SW846 9045C	04/08/08	8098289
			Dilution Factor: 1			Analysis Time...: 00:00		

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Work Order #...: KKPT6-SMP

Matrix.....: SOLID

KKPT6-DUP

Date Sampled...: 01/29/08

Date Received...: 04/04/08

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	18.0	18.2	mg/kg	0.91	(0-20)	SD Lot-Sample #: F8D040131-020 MCAWW 300.0A	04/10/08	8101310
						Dilution Factor: 5	Analysis Time...: 06:37	
Sulfate	69.2	71.1	mg/kg	2.7	(0-20)	SD Lot-Sample #: F8D040131-020 MCAWW 300.0A	04/10/08	8101311
						Dilution Factor: 1	Analysis Time...: 05:29	
Percent Moisture	21.6	21.3	%	1.5	(0-30)	SD Lot-Sample #: F8D040131-020 MCAWW 160.3 MOD	04/07-04/08/08	8098036
						Dilution Factor: 1	Analysis Time...: 00:00	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F8D040131

Work Order #...: KKPXC-SMP
KKPXC-DUP

Matrix.....: SOLID

Date Sampled...: 01/29/08

Date Received..: 04/04/08

% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	321	299	mg/kg	7.1	(0-20)	SD Lot-Sample #: MCAWW 300.0A	FBD040131-043 04/10-04/11/08	8101315
Dilution Factor: 10				Analysis Time... 11:00				

Sulfate

196

186

mg/kg

5.4

(0-20)

SD Lot-Sample #: F8D040131-043

MCAWW 300.0A

04/10-04/11/08 8101316

Dilution Factor: 10

Analysis Time.: 11:00

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373686 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
1	B-2160 SS-19			2008-01-29 / 0	KKPRF	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z	WRK LOC 06
X XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
2	B-2160 SS-20			2008-01-29 / 0	KKPR4	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
3	B-2160 SS-22			2008-01-29 / 0	KKPR5	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
4	B-2160 SS-24			2008-01-29 / 0	KKPR7	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
5	B-2160 SS-26			2008-01-29 / 0	KKPR8	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z	WRK LOC 06

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2008-04-14

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printed on: Monday, April 14, 2008 09:54 AM

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
6	B-2160 SS-28			2008-01-29 / 0	KKPTC	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
7	B-2160 SS-29			2008-01-29 / 0	KKPTD	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
8	B-2265 SS-2			2008-01-29 / 0	KKPTF	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
9	B-2265 SS-4			2008-01-29 / 0	KKPTK	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
10	B-2265 SS-6			2008-01-29 / 0	KKPTL	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: Z WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
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printed on: Monday, April 14, 2008 09:54 AM

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc:

2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received:

2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date:

2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date:

2008-04-11

Client: 373886

MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

11 B-2265 SS-16

2008-01-29 / 0

KKPTN SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
12	B-2265 SS-18			2008-01-29 / 0	KKPTP	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
13	B-2265 SS-21			2008-01-29 / 0	KKPTT	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
14	B-2265 SS-22			2008-01-29 / 0	KKPTW	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
15	B-2265 SS-23B			2008-01-29 / 0	KKPT0	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
16	B-2265 SS-26			2008-01-29 / 0	KKPT1	SOLID

SAMPLE COMMENTS:

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966 SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
17	B-2265 SS-8			2008-01-29 / 0	KKPT2	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
18	B-2265 SS-12			2008-01-29 / 0	KKPT4	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
19	B-2265 SS-14			2008-01-29 / 0	KKPT5	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
20	B-2160 SS-2			2008-01-29 / 0	KKPT6	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
S XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
S XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
X XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
X XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373686 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

X	XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent	88	NO SAMPLE PREPARATION	01	STANDARD TEST SET	PROT: Z	WRK	06
			W	MOD	Moisture		PERFORMED / DIRECT				LOC	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
21	B-2160 SS-4			2008-01-29 / 0	KKPVR	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent	88	NO SAMPLE PREPARATION	01	STANDARD TEST SET	PROT: Z	WRK	06
		W	MOD	Moisture		PERFORMED / DIRECT				LOC	
X	XX	OZ	SW846	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
22	B-2160 SS-8			2008-01-29 / 0	KKPVX	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	08
		W								LOC	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent	88	NO SAMPLE PREPARATION	01	STANDARD TEST SET	PROT: Z	WRK	06
		W	MOD	Moisture		PERFORMED / DIRECT				LOC	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
23	B-2265 SS-10			2008-01-29 / 0	KKPV0	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	08
		W								LOC	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent	88	NO SAMPLE PREPARATION	01	STANDARD TEST SET	PROT: Z	WRK	06
		W	MOD	Moisture		PERFORMED / DIRECT				LOC	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
24	B-2160 SS-12			2008-01-29 / 0	KKPV1	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	08
		W								LOC	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent	88	NO SAMPLE PREPARATION	01	STANDARD TEST SET	PROT: Z	WRK	06
		W	MOD	Moisture		PERFORMED / DIRECT				LOC	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
25	B-2160 SS-14			2008-01-29 / 0	KKPV2	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	08
		W								LOC	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
		W								LOC	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK	06
										LOC	

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quota #: 71966 SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS In LOT: 59

Report Type: X
EDD Code: 00**RUSH**

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
<u>SAMPLE #</u>		<u>CLIENT SAMPLE ID</u>		<u>Site ID</u>	<u>Client Matrix</u>	<u>DATE/TIME SAMPLED</u>		<u>WORKORDER</u>		<u>A</u>	
26		B-2160 SS-18				2008-01-29 / 0		KKPV4		SOLID	
<u>SAMPLE COMMENTS:</u>											
XX	CX	MCAW	300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
<u>SAMPLE #</u>		<u>CLIENT SAMPLE ID</u>		<u>Site ID</u>	<u>Client Matrix</u>	<u>DATE/TIME SAMPLED</u>		<u>WORKORDER</u>		<u>A</u>	
27		B-2160 SS-6				2008-01-29 / 0		KKPV6		SOLID	
<u>SAMPLE COMMENTS:</u>											
XX	CX	MCAW	300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
<u>SAMPLE #</u>		<u>CLIENT SAMPLE ID</u>		<u>Site ID</u>	<u>Client Matrix</u>	<u>DATE/TIME SAMPLED</u>		<u>WORKORDER</u>		<u>A</u>	
28		B-2151 SS-1				2008-01-29 / 0		KKPWH		SOLID	
<u>SAMPLE COMMENTS:</u>											
XX	CX	MCAW	300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
<u>SAMPLE #</u>		<u>CLIENT SAMPLE ID</u>		<u>Site ID</u>	<u>Client Matrix</u>	<u>DATE/TIME SAMPLED</u>		<u>WORKORDER</u>		<u>A</u>	
29		B-2151 SS-3				2008-01-29 / 0		KKPWK		SOLID	
<u>SAMPLE COMMENTS:</u>											
XX	CX	MCAW	300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
<u>SAMPLE #</u>		<u>CLIENT SAMPLE ID</u>		<u>Site ID</u>	<u>Client Matrix</u>	<u>DATE/TIME SAMPLED</u>		<u>WORKORDER</u>		<u>A</u>	
30		B-2151 SS-5				2008-01-29 / 0		KKPWL		SOLID	
<u>SAMPLE COMMENTS:</u>											
XX	CX	MCAW	300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

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Logged in by:

VANIAI

2008-04-14

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X
EDD Code: 00**RUSH**

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
31	B-2151 SS-7			2008-01-29 / 0	KKPWM	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
32	B-2151 SS-9			2008-01-29 / 0	KKPWN	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
33	B-2151 SS-11			2008-01-29 / 0	KKPWP	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06
S XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
S XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
X XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
X XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
34	B-2151 SS-13			2008-01-29 / 0	KKPWX	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
35	B-2151 SS-15			2008-01-29 / 0	KKPWO	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06

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2008-04-14

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Printed on: Monday, April 14, 2008 09:54 AM

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966 SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
36	B-2151 SS-17			2008-01-29 / 0	KKPW1	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
37	B-2151 SS-19			2008-01-29 / 0	KKPW3	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
38	B-2151 SS-21			2008-01-29 / 0	KKPW4	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
39	B-2151 SS-23			2008-01-29 / 0	KKPW5	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
40	B-2151 SS-25			2008-01-29 / 0	KKPW6	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06

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2008-04-14

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printed on: Monday, April 14, 2008 08:54 AM

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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283
 Date Received: 2008-04-04
 Analytical Due Date: 2008-04-11
 Report Due Date: 2008-04-11
 Report Type: X
 EDD Code: 00

Project Manager: IV
 Project: 6468-07-1777
 PO#: 2008086614
 Client: 373886 MACTEC Engineering and Consulting Inc

Quote #: 71966
 SDG:
 EXELON TEXAS COL PROJECT-VI
 Report to: KATHRYN WHITE

RUSH

#SMPS in LOT: 59

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06
X XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A			
41	B-2151 SS-28			2008-01-29 / 0	KKPWB	SOLID			
SAMPLE COMMENTS:									
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06
X XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A			
42	B-2251 SS-1			2008-01-29 / 0	KKPXA	SOLID			
SAMPLE COMMENTS:									
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A			
43	B-2251 SS-3			2008-01-29 / 0	KKPCX	SOLID			
SAMPLE COMMENTS:									
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06
S XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
S XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
X XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
X XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A			
44	B-2251 SS-5			2008-01-29 / 0	KKPXE	SOLID			
SAMPLE COMMENTS:									
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT:B	WRK LOC	06
XX WM	MCAW 160.3 MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
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2008-04-14 8:16:55						
printed on: Monday, April 14, 2008 09:54 AM						
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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc:

2-281-283

Project Manager: IV

Quote #: 71968

SDG:

Date Received:

2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date:

2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date:

2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

45 B-2251 SS-7

2008-01-29 / 0

KKPXF

SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
46	B-2251 SS-9			2008-01-29 / 0	KKPXG	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
47	B-2251 SS-11			2008-01-29 / 0	KKPXH	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
48	B-2251 SS-13			2008-01-29 / 0	KKPXJ	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
49	B-2251 SS-15			2008-01-29 / 0	KKPKX	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
50	B-2251 SS-17			2008-01-29 / 0	KKPXL	SOLID

SAMPLE COMMENTS:

TestAmerica - St. Louis	Logged in by: VANIAI	2008-04-14	8:16:55	printed on: Monday, April 14, 2008 09:54 AM	Page 10 of 12
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LOT# F8D040131-Rev 1

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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
51	B-2251 SS-19			2008-01-29 / 0	KKPXM	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
52	B-2251 SS-21			2008-01-29 / 0	KKPXN	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
53	B-2251 SS-23			2008-01-29 / 0	KKPXQ	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
54	B-2251 SS-25			2008-01-29 / 0	KKPXR	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX WM	MCAW 180.3 MOD	SOLID, 180.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
55	B-2251 SS-27			2008-01-29 / 0	KKPXW	SOLID

SAMPLE COMMENTS:

XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
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F8D040131

CLIENT ANALYSIS SUMMARY

Storage Loc: 2-281-283

Project Manager: IV

Quote #: 71966

SDG:

Date Received: 2008-04-04

Project: 6468-07-1777

EXELON TEXAS COL PROJECT-VI

Analytical Due Date: 2008-04-11

PO#: 2008086614

Report to: KATHRYN WHITE

Report Due Date: 2008-04-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 59

Report Type: X

EDD Code: 00

RUSH

Cation Exchange capacity - Run B, Ca, Mg, Na, K, Bicarbonate and Carbonate alkalinity, Chloride and Sulfate.

XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
56	B-2251 SS-28			2008-01-29 / 0	KKPXX	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
57	B-2151 SS-28			2008-02-01 / 0	KKPX3	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
58	B-2160 SS-11			2008-02-01 / 0	KKPX5	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
59	B-2160 SS-15			2008-02-01 / 0	KKPX6	SOLID

SAMPLE COMMENTS:

XX	CX	MCAW	300.0A	SOLID, 300.0A, Chloride	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06	
XX	CY	MCAW	300.0A	SOLID, 300.0A, Sulfate	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06	
XX	OZ	SW846	9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06	
XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06	
X	XX	WM	MCAW	160.3	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: Z	WRK LOC	06

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cooler

- No. _____

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

Fed. Ex Tracking # 7924 9601-3258

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.

ORIGINAL

7

ORIGINAL

DCN No. _____

No. _____

[illegible]

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

Shipping to a common carrier, or Fed Ex - white label

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.

DCN No. _____

cajir #3

No. _____

Remarks: If relinquishing to a common carrier or Fed Ex -- write freight bill or tracking number here.

Fed Exp. Tracking # 7918-4034-9729

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all packages & unused samples in labeled containers.

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. 1-29-80
samples in labeled containers. 55-70 recd. Logged w/ 1-29-80 sample date
* sample not received. Sample B-2265
DCN No. _____

DCN No. _____

Job Name: Exelon Texas COI (Victoria) Job No. 25352 Requested By: D. Gerken

Argument 8 Victoria

Contact John Davie of Bechtel if there are any questions: Phone (301) 228-7847; e-mail JDAVIE@BECHTEL.COM.

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

Job Name Exelon-Texas COE (Victoria) Job No. 25352 Requested By D. Gerken

Job Name		Exelon, Texas COE (Victoria)		Job No.		25352																			
LOCATION				PHYSICAL PROPERTIES				STRENGTH TESTS										COM- PACTION		CONSOLIDATION					
Boring No.	Sample Type (See Sample Log)	Top of Sample/Core Run Depth, Ft	Sample/Run Number	Field Classification	Recovery (ft)	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis		Chemical Analysis (ppt, chlorides, sulfate)	Organic Content	Unconsolidated Undrained Triaxial	Consolidated Undrained Triaxial (3-stage w/pore-pressure meas.)	Unconfined Compression (Soil)	Confining Pressures (psf)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) w/stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksf.
										Sieve Only	Sieve + Hydrometer														
B-2265	Jer	11.0	SS-6	CH	1.10	X			X		X		X												
B-2265	Jer	13.5	SS-7	CH	1.40	X		X	X		X		X												
B-2265	Jer	18.5	SS-7	CH	1.50	X			X		X		X												
B-2265	Jer	23.5	SS-8	CH	1.40	X			X		X		X												
B-2265	Jer	28.5	SS-9	CH	1.60	X			X		X		X												
B-2265	Jer	33.5	SS-10	CH	1.40	X		X	X		X		X												
B-2265	Jer	38.5	SS-11	CH	1.00	X			X		X		X												
B-2265	Jer	43.5	SS-12	SM	1.20	X		X	X		X		X												
B-2265	Jer	48.5	SS-13	SM	1.58	X			X		X		X												
B-2265	Jer	53.5	SS-14	SC	1.00	X		X	X		X		X												
B-2265	Jer	58.5	SS-15	SM	1.80	X			X		X		X												
B-2265	Jer	63.5	SS-16	CH	0.70	X			X		X		X												
B-2265	Jer	68.5	SS-17	CH	0.60	X			X		X		X												
B-2265	Jer	73.5	SS-18	CH	1.40	X		X	X		X		X												
B-2265	Jer	78.5	SS-19	CH	1.40	X			X		X		X												
B-2265	Jer	83.5	SS-20	CH	1.20				X		X		X												
B-2265	Jer	88.5	SS-21	CH	1.50	X		X	X		X		X												
B-2265	Jer	93.5	SS-22	CH	1.20			X			X		X												
B-2265	Jer	98.5	SS-23	CH	0.40						X		X												
B-2265	Jer	103.5	SS-24	CH	0.70	X		X	X		X		X												

Phone (901) 228-7647; e-mail JDAVIE@BECHTEL.COM.

Contact John Davis of Bechtel if there are any questions: Phone (901) 226-7647; e-mail JDAVIS@BECHTEL.COM.

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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Job Name Exelon Texas COL (Victoria)

Job No. 25952

Requested By

D. Gorkan

SAMPLE LOCATION							PHYSICAL PROPERTIES							STRENGTH TESTS										CONF. FACTOR		CONSOLIDATION	
No.	Date	Depth (ft)	Soil Type	Moisture Content (%)	Unit Weight (pcf)	Specific Gravity	Atterberg Limits	Grain Size Analysis		Chemical Analysis (pH, chloride, sulfate)	Organic Content			Unconsolidated- Undrained Triaxial	Consolidated-Undrained Triaxial (3-stage, vertical, pressure & volume)	Unconfined Compression (Soil)	Compressive Strength (Soil)	Direct Shear	Triaxial	Unconfined Compression (rock)	Compressive Strength (rock)	Unconfined Compression (rock)	Compressive Strength (rock)	Standard (A, B, C, D)	Modified (A, B, C, D)	COP	NOTE: Stress increments and rebound cycles, ksf
								Slieve Only	Slieve + Hydrometer																		
												</															

Contact John Davis of Bechtel if there are any questions. Phone (916) 224-1000 or (916) 224-1001

LOT# F8D040131-Rev 1

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

Job Name Exelon Texas COL (Victoria) Job No. 25352 Requested By D. Gerken

Job Name		Exxon Texas COL (Victoria)		Job No.		25352		Requested by		C. Davie															
SAMPLE LOCATION					PHYSICAL PROPERTIES					STRENGTH TESTS										COM- PACTION	CONSOLIDATION				
Boring No.	Sample Type (Tube Sample Length)	Top of Sample/Core Run Depth, Ft	Sample/Run Number	Field Classification	Recovery (%)	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis	Chemical Analysis (pH, chloride, sulphate)	Organic Content	Unconsolidated-Undrained Triaxial	Consolidated-Undrained Triaxial (9-steps w/pore-pressure meas.)	Unconfined Compression (Soil)	Confining Pressures (psi)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) w/stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksf.	
B-2160	Jar	0.0	SS-1	CH	0.65	X			X	X	X	X													
B-2160	Jar	3.5	SS-2	CH	1.28	X		X	X	X	X	X													
B-2160	Jar	6.0	SS-3	CH	1.21	X			X	X	X	X													
B-2160	Jar	9.5	SS-4	CH	1.50	X			X	X	X	X													
B-2160	Jar	13.0	SS-5	CH	1.11	X			X	X	X	X													
B-2160	Jar	16.5	SS-6	CH	1.50	X		X	X	X	X	X													
B-2160	Jar	18.5	SS-7	CH	1.50	X			X	X	X	X													
B-2160	Jar	23.5	SS-8	CH	1.56	X			X	X	X	X													
B-2160	Jar	28.5	SS-9	CH	1.28	X		X	X	X	X	X													
B-2160	Jar	33.5	SS-10	CH	1.20	X			X	X	X	X													
B-2160	Jar	38.5	SS-11	CH	1.65	X			X	X	X	X													
B-2160	Jar	43.5	SS-12	CH	1.40	X			X	X	X	X													
B-2160	Jar	48.5	SS-13	CH	1.28	X			X	X	X	X													
B-2160	Jar	53.5	SS-14	CH	1.08	X		X	X	X	X	X													
B-2160	Jar	58.5	SS-15	CH	1.10	X			X	X	X	X													
B-2160	Jar	63.5	SS-16	CH	1.50	X			X	X	X	X													
B-2160	Jar	68.5	SS-17	SC	0.70	X		X	X	X	X	X													
B-2160	Jar	73.5	SS-18	CH	1.53	X		X	X	X	X	X													
B-2160	Jar	78.5	SS-19	SC	1.10	X		X	X	X	X	X													
B-2160	Jar	83.5	SS-20	CH	1.40	X		X	X	X	X	X													

Don't know how to do this

12

For any questions: Phone (301) 228-7847; e-mail JDAVIE@BECHTEL.COM.

Contact John Davis of Bechtel if there are any questions: Phone (301) 228-7647; e-mail JDAVIS@BECHTEL.COM.

Not received - see coc.

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GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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10/1/2008
Job Assignment: Victoria

Job Name Exxon Texas COL (Victoria) Job No. 25352 Requested By D. Garken

SAMPLE LOCATION							PHYSICAL PROPERTIES							STRENGTH TESTS										COM-PACTION		CONSOLIDATION	
Boring No.	Sample Type (Tube Sample Length)	Top of Sample/Corer Run Depth, Ft	Sample/Run Number	Field Classification	Recovery (ft)	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis	Chemical Analysis (pH, chloride, sulfate)	Organic Content	Unconsolidated-Undisturbed Triaxial	Consolidated-Undisturbed Triaxial (3-stage w/ pore-pressure meas.)	Unconfined Compression (Soil)	Confining Pressures (psi)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) witness-atrain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksi.			
										Sieve Only	Sieve + Hydrometer																
B-2160	Jar	88.5	SS-21	CH	1.20	X			X		X																
B-2160	Jar	93.5	SP-22	SP-SC	0.80			X																			
B-2160	Jar	98.5	SS-23	CH	0.60	X			X		X																
B-2160	Jar	103.5	SS-24	CH	1.55	X		X	X		X																
B-2160	Jar	118.5	SS-25	CH	1.58	X			X		X																
B-2160	Jar	123.5	SP-26	SP-SC	0.75			X			X																
B-2160	Jar	138.5	SS-27	SP-SC	1.20						X																
B-2160	Jar	148.5	SS-28	CH	1.50	X		X	X		X																
B-2160	Jar	158.5	SS-29	CH	1.56	X			X		X																
B-2160	Jar	168.5	SS-30	SP	1.15			X			X																
B-2160	Jar	178.5	SS-31	SP	1.07						X																
B-2160	Jar	193.5	SS-33	SC	0.85	X		X	X		X																
B-2160	Jar	198.5	SS-34	SP	1.00			X			X																
B-2265	Jar	0.0	SS-1	CH	1.50	X			X		X																
B-2265	Jar	3.5	SS-2	CH	1.30	X		X	X		X																
B-2265	Jar	6.0	SS-3	CH	1.20	X			X		X																
B-2265	Jar	8.5	SS-4	CH	1.50	X			X		X																

Contact John Davis of Bechtel if there are any questions: Phone (301) 228-7847; e-mail JDVIE@BECHTEL.COM.

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GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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 Date 1/11/2008
 Lab Assignment 6 Victoria
Job Name Exelon Texas COL (Victoria)Job No. 25352Requested By D. Gerken

SAMPLE LOCATION						PHYSICAL PROPERTIES							STRENGTH TESTS										COM- PACTION		CONSOLIDATION	
Boring No.	Sample Type (Tube, Sample Length)	Top of Sample/Cone Run Depth, Ft	Sample/Run Number	Field Classification	Recovery (%)	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis	Chemical Analysis (pH, chloride, sulphate)	Organic Content	Unconsolidated-Undrained Triaxial	Consolidated-Undrained Triaxial (3-stage w/pore pressure meas.)	Unconfined Compression (Soil)	Confining Pressures (psf)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) w/stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksi.		
B-2160	Jar	88.5	SS-21	CH	1.20	X			X		X															
B-2160	Jar	93.5	SS-22	SP-SC	0.90			X			X															
B-2160	Jar	98.5	SS-23	CH	0.60	X			X		X															
B-2160	Jar	108.5	SS-24	CH	1.65	X		X	X		X															
B-2160	Jar	118.5	SS-25	CH	1.56	X			X		X															
B-2160	Jar	128.5	SS-26	SP-SC	0.76			X			X															
B-2160	Jar	138.5	SS-27	SP-SC	0.20						X															
B-2160	Jar	148.5	SS-28	CH	1.50	X		X	X		X															
B-2160	Jar	158.5	SS-29	CH	1.56	X			X		X															
B-2160	Jar	168.5	SS-30	SP	1.15			X		X																
B-2180	Jar	178.5	SS-31	SP	1.07					X																
B-2160	Jar	193.5	SS-32	SC	0.65	X		X	X		X															
B-2160	Jar	198.5	SS-34	SP	1.00			X		X																
B-2160	Jar	0.0	SS-1	CH	1.50	X			X		X															
B-2160	Jar	0.0	SS-2	CH	1.30	X		X	X		X															
B-2160	Jar	0.0	SS-3	CH	1.30	X			X		X															
B-2160	Jar	0.0	SS-4	CH	1.50	X			X		X															

Contact John Davis of Bechtel if there are any questions: Phone (301) 228-7647; e-mail JDAVIS@BECHTEL.COM.

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

Job Name Exelon Texas COL (Victoria)Job No. 26362

Requested By

D. Gerkon

Job Name		Exelon Texas CO2 (Victoria)		Job No.		26362		Requested by																				
SAMPLE LOCATION					PHYSICAL PROPERTIES					STRENGTH TESTS										COM- PACTION		CONSOLIDATION						
Boring No.	Sample Type (Use Sample Length)	Top of Sample Core Run Depth, Ft	Sample/Run Number	Field Classification	Recovery (ft)	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis	Sieve Only	Sieve + Hydrometer	Chemical Analysis (pH, chloride, sulphate)	Organic Content	Unconsolidated Undrained Triaxial	Consolidated Undrained Triaxial (3-stage w/pore pressure meas.)	Unconfined Compression (Soil)	Confining Pressures (psi)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) w/stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksi.		
B-2265	Jar	11.0	SS-5	CH	1.10	X			X			X		X														
B-2265	Jar	13.5	SS-6	CH	1.40	X		X				X		X														
B-2265	Jar	18.5	SS-7	CH	1.50	X			X			X		X														
B-2265	Jar	23.5	SS-8	CH	1.40	X			X			X		X														
B-2265	Jar	28.5	SS-9	CH	1.50	X			X			X		X														
B-2265	Jar	33.5	SS-10	CH	1.40	X		X	X			X		X														
B-2265	Jar	38.5	SS-11	CH	1.00	X			X			X		X														
B-2265	Jar	43.5	SS-12	SM	1.20	X		X	X			X		X														
B-2265	Jar	48.5	SS-13	SM	1.50	X			X			X		X														
B-2265	Jar	53.5	SS-14	SC	1.00	X		X	X			X		X														
B-2265	Jar	58.5	SS-15	SM	1.30	X			X			X		X														
B-2265	Jar	63.5	SS-16	CH	0.70	X			X			X		X														
B-2265	Jar	68.5	SS-17	CH	0.50	X			X			X		X														
B-2265	Jar	73.5	SS-18	CH	1.40	X		X	X			X		X														
B-2265	Jar	78.5	SS-19	CH	1.40	X			X			X		X														
B-2265	Jar	83.5	SS-20	SP	1.20				X			X		X														
B-2265	Jar	88.5	SS-21	CH	1.50	X		X	X			X		X														
B-2265	Jar	93.5	SS-22	SP	1.20				X			X		X														
B-2265	Jar	98.5	SS-23	SP	0.40							X		X														
B-2265	Jar	103.5	SS-24	CH	0.70	X		X	X			X		X														

Phone (301) 228-7647; e-mail JDAVIE@BECHTEL.COM.

Contact John Davis of Bechtel if there are any questions: Phone (301) 228-7647; e-mail JDAVIE@BECHTEL.COM.

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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Job Name Exelon Texas COL (Victoria)

Job No. 25352

Requested By

D. Gerkoh

25352 Project 8 Victoria

SAMPLE LOCATION						PHYSICAL PROPERTIES						STRENGTH TESTS										COM- PACTION	CONSOLIDATION			
Sample No.	Sample Description	Sample Size	Sample Weight	Sample Moisture	Sample Classification	Grain Size Analysis	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Grain Size Analysis		Chemical Analysis (pH, chloride, sulphate)	Organic Content	Unconfined Undrained Triaxial	Consolidated-Undrained Triaxial (2-stage with pre- pressure levels)	Unconfined Compression (Soil)	Confining Pressures (psi)	Direct Shear	TSRQ	Unconfined Compression (rock)	Unconfined Compression (rock) with stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	OCR	NOTE: Stress increments and rebound cycles, ksi.
											Slieve Only	Slieve + Hydrometer														
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X	X	X	X												
B-2174A	Jar	578.7	SS-53	CH	1.50	X	X	X	X	X	X															

Contact John Davis of Bechtel if there are any questions: Phone (301) 223-7044 or email JDAVIS@BECHTEL.COM

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No. _____

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

7918 4283 4388

 ORIGINAL

DCN No. _____

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

Page 1 of 3

2001 B #4

Date: 12/20/2007 Job Name: Exelon Texas COL (Victoria) Job No. 25352 Requested By: D. Gerken

Lab Assignment 5 Victoria

SAMPLE LOCATION				PHYSICAL PROPERTIES										STRENGTH TESTS										COM-PACTION		CONSOLIDATION	
Boring No.	Sample Type (Tube Sample Length)	Top of Sample/Cone Run Depth, FT	Field Classification	Sample Run Number	Moisture Content	Unit Weight	Specific Gravity	Absorption Limits	Grain Size Analysis	Sieve Only	Sieve + Hygroscopic	Chemical Analysis (pH, chlorides, sulphates)	Organic Content	Unconsolidated-Undrained Triaxial	Consolidated-Undrained Triaxial (3-stage failure pressure measurement)	Unconsolidated Compression (Box)	Confining Pressures (psi)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) water-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, test.		
B-2151	Jar	0	CH	SS1	X	X	X	X	X	X	X	X	X														
B-2151	Jar	3.5	CH	SS21	X		X	X	X	X	X	X	X														
B-2151	Jar	6	CH	SS3	X		X	X	X	X	X	X	X														
B-2151	Jar	8.5	CH	SS4	X		X	X	X	X	X	X	X														
B-2151	Jar	11	CH	SS5	X		X	X	X	X	X	X	X														
B-2151	Jar	13.5	CH	SS6	X		X	X	X	X	X	X	X														
B-2151	Jar	19	CH	SS7	X	X	X	X	X	X	X	X	X														
B-2151	Jar	24.6	CH	SS8	X		X	X	X	X	X	X	X														
B-2151	Jar	29.5	CH	SS9	X		X	X	X	X	X	X	X														
B-2151	Jar	34.5	CH	SS10	X		X	X	X	X	X	X	X														
B-2151	Jar	38.6	CH	SS11	X	X	X	X	X	X	X	X	X														
B-2151	Jar	44.5	CH	SS12	X		X	X	X	X	X	X	X														
B-2151	Jar	49.5	CH	SS13	X		X	X	X	X	X	X	X														
B-2151	Jar	54.5	CH	SS14	X		X	X	X	X	X	X	X														
B-2151	Jar	59.6	CH	SS15	X	X	X	X	X	X	X	X	X														
B-2151	Jar	64.5	SP	SS16		X	X	X	X	X	X	X	X														
B-2151	Jar	69.6	CH	SS17	X	X	X	X	X	X	X	X	X														
B-2151	Jar	74.5	CH	SS18	X		X	X	X	X	X	X	X														
B-2151	Jar	79.5	SP-SC	SS19			X	X	X	X	X	X	X														
B-2151	Jar	84.5	SP	SS20				X	X	X	X	X	X														
B-2151	Jar	89.5	CH	SS21	X	X	X	X	X	X	X	X	X														
B-2151	Jar	94.6	SC	SS22			X	X	X	X	X	X	X														
B-2151	Jar	99.5	SP-SC	SS23				X	X	X	X	X	X														
B-2151	Jar	109.5	CH	SS24	X		X	X	X	X	X	X	X														
B-2151	Jar	119.5	CH	SS25	X	X	X	X	X	X	X	X	X														
B-2151	Jar	129.5	SP	SS26				X	X	X	X	X	X														
B-2151	Jar	139.6	SP	SS27		X		X	X	X	X	X	X														

Contact Donald Gerken of Bechtel if there are any questions: Phone (415) 766-0074; e-mail DEGERKEN@BECHTEL.COM.

ORIGINAL

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

Date: 12/20/2007 Job Name: Exelon Texas COL (Victoria) Job No.: 25352 Requested By: D. Gerken

Lab Assignment: 5 Victoria

SAMPLE LOCATION				PHYSICAL PROPERTIES								STRENGTH TESTS										COM-PACTION		CONSOLIDATION		
Boring No.	Sample Type (Tube Sample Length)	Top of Sample/Core Run Depth, ft	Field Classification	Sampler Run Number	Moisture Content	Unit Weight	Specific Gravity	Atterberg Limits	Shrinkage	Grain Size Analysis	Chemical Analysis (pH, chloride, sulphate)	Organic Content	Unconsolidated	Unconsolidated Triaxial	Consolidated-Unconsolidated Triaxial (3-stage stepwise pressure increase)	Unconsolidated Compression (Soil)	Coching Pressure (psi)	Direct Shear	TSRC	Unconfined Compression (rock)	Unconfined Compression (rock) stress-strain	Unconfined Compression (rock) stress-strain	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR	NOTE: Stress increments and rebound cycles, ksf.
B-2251	Jar	83.5	SP	SS20																						
B-2251	Jar	88.6	SP	SS21																						
B-2251	Jar	93.5	SP	SS22																						
B-2251	Jar	98.5	OH	SS23	X	X	X			X	X	X														
B-2251	Jar	108.5	SP	SS24																						
B-2251	Jar	118.5	CH	SS25	X	X	X			X	X	X														
B-2251	Jar	128.5	SP-SC	SS26	INSUFFICIENT SAMPLE FOR TESTING																					
B-2251	Jar	138.5	SP	SS27				X	X		X															
B-2251	Jar	148.5	CH	SS28	X	X	X			X	X	X														
B-2251	Jar	158.5	SP	SS29				X		X																
B-2251	Jar	168.5	SP	SS30						X																
B-2251	Jar	178.5	SP	SS31		X		X																		
B-2251	Jar	188.5	SP	SS32						X																
B-2251	Jar	198.5	SP	SS33	INSUFFICIENT SAMPLE FOR TESTING																					
B-2251	Jar	208.5	SP	SS34				X		X																

COPY

Contact Donald Gerken of Bechtel if there are any questions: Phone (415) 788-0074; e-mail DEGERKEN@BECHTEL.COM.

LOT# F8D040131-Rev 1

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cooler #9

CHAIN OF CUSTODY RECORD
EXELON COL VICTORIA SITE; GEOLOGIC/GEOTECHNICAL EXPLORATION
MACTEC JOB NO. 6468-07-1777

No. 1073

SAMPLE DESIGNATION	SAMPLE TYPE	TAKEN BY	DATE TAKEN	INTENDED USE		REMARKS
B-2151 35-1x	JAR	28	11/29/08	chemical Lab test		500g
B-2151 35-3			11/29/08			
B-2151 35-5			11/29/08			
B-2151 35-7						
B-2151 35-9						
B-2151 35-11						
B-2151 35-13						
B-2151 35-15						
B-2151 35-17						
B-2151 35-19						
B-2151 35-21						
B-2151 35-23						
B-2151 35-25						
B-2151 35-27						
Relinquished by: <i>Chana Sawchuk</i>		Date/Time: 11/29/08 1:30PM	Received by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date/Time
(signature)		Date/Time	Received by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Received at Laboratory	Date/Time
(signature)			(signature)	(signature)	(signature)	

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

Fed Exp Tracking # 7997-9264-7433

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.

ORIGINAL

DCN No. _____

LOT# F8D040131-Rev 1

CHAIN OF CUSTODY RECORD
EXELON COL VICTORIA SITE; GEOLOGIC/GEOTECHNICAL EXPLORATION
MACTEC JOB NO. 6468-07-1777

No. 2073

SAMPLE DESIGNATION	SAMPLE TYPE	TAKEN BY	DATE TAKEN	INTENDED USE	REMARKS
B-1151 SS-1	JAR	EN	11/29/08	CHEMICAL TESTING	500g
B-2251 SS-3					MIL 1-30-08
B-2251 SS-5					
B-2251 SS-7					
B-2251 SS-9					
B-2251 SS-11					
B-2251 SS-13					
B-2251 SS-15					
B-2251 SS-17					
B-2251 SS-19					
B-2251 SS-21					
B-2251 SS-23					
B-2251 SS-25					
B-2251 SS-27					
Relinquished by: <i>Chana Awangmali</i> (signature)	Date/Time 11/29/08 1:30 PM	Received by: <i>MH</i> (signature)	Relinquished by: (signature)	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Received at Laboratory (signature)	Date/Time

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

Tracking # 7997-9264-7433

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.

 ORIGINAL

DCN No. _____

④

No. Blot 3

[illegible]

Remarks: If relinquishing to a common carrier or Fed Ex - write freight bill or tracking number here.

Food Exp. Tracking # 7997-9264-7433

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.

 ORIGINAL

DCN No. _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1803 Lot # (s):

F8A300197
V 2006

Client: Nestech COC/RFA No: N/A Date: 1-30-08
Quote No: 119660 Initiated By: [Signature] Time: 0915

Shipping Information

Shipper Name: FE
Shipping # (s):

1. 7997 9264 783
2. 7924 9601 3268
3. 7926 9601 9265
4. 7418 4081 9727
5. _____

6. _____
7. _____
8. _____
9. _____
10. _____

Multiple Packages ☒ N

Sample Temperature (s):**

1. Ambient 6. _____
2. _____ 7. _____
3. _____ 8. _____
4. V 9. _____
5. _____ 10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests-Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1. Y ☒ N	Are there custody seals present on the cooler?	8. Y ☒ N	Are there custody seals present on bottles?
2. Y N ☒ N/A	Do custody seals on cooler appear to be tampered with?	9. Y N ☒ N/A	Do custody seals on bottles appear to be tampered with?
3. ☒ Y N	Were contents of cooler frisked after opening, but before unpacking?	10. Y N ☒ N/A	Was sample received with proper pH? (If not, make note below)
4. ☒ Y N	Sample received with Chain of Custody?	11. Y N	If N/A- Was pH taken by original TestAmerica lab?
5. Y ☒ N/A	Does the Chain of Custody match sample ID's on the container(s)?	12. ☒ Y N	Sample received in proper containers?
6. Y ☒ N	Was sample received broken?	13. Y N ☒ N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7. ☒ Y N	Is sample volume sufficient for analysis?	14. Y N	Was Internal COC/Workshare received?

*For DOE-AL (Pantow, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: All coolers out of tempAll sample dates do not matchReceived sample B-2265 SS-10 not on chainDidn't receive sample B-2160 SS-10Log per COC per IvanLog sample B-2265 SS-10 and sample B-2160 SS-10 per Ivan-Followup: Sample B-2265 SS-10 will be logged as rec.

4-14-8

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: _____

Date: _____

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 06/06/07 (S:\01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev1).doc

LOT# F8D040131-Rev 1

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot # (s): F8A300197
2009

Client: Natech COC/RFA No: N/A Date: 1-30-08
Quote No: 719610 Initiated By: [Signature] Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7997 9264 783 6. _____
2. 7924 9601 3258 7. _____
3. 7926 9601 9355 8. _____
4. 7418 4031 9727 9. _____
5. _____ 10. _____

Multiple Packages ☒ N

Sample Temperature (s):**

1. Ambient 6. _____
2. ↓ 7. _____
3. ↓ 8. _____
4. ↓ 9. _____
5. ↓ 10. _____

*Numbered shipping lines correspond to Numbered Sample Temp Lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests-Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1. ☒ Y ☒ N	Are there custody seals present on the cooler?	8. ☒ Y ☒ N	Are there custody seals present on bottles?
2. ☒ Y ☒ N ☒ N/A	Do custody seals on cooler appear to be tampered with?	9. ☒ Y ☒ N ☒ N/A	Do custody seals on bottles appear to be tampered with?
3. ☒ Y ☒ N	Were contents of cooler frisked after opening, but before unpacking?	10. ☒ Y ☒ N ☒ N/A	Was sample received with proper pH? (If not, make note below)
4. ☒ Y ☒ N	Sample received with Chain of Custody?	11. ☒ Y ☒ N	If N/A- Was pH taken by original TestAmerica lab?
5. ☒ Y ☒ N ☒ N/A	Does the Chain of Custody match sample ID's on the container(s)?	12. ☒ Y ☒ N	Sample received in proper containers?
6. ☒ Y ☒ N	Was sample received broken?	13. ☒ Y ☒ N ☒ N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7. ☒ Y ☒ N	Is sample volume sufficient for analysis?	14. ☒ Y ☒ N	Was Internal COC/Workshare received?

*For DOE-AL (Paintex, LANI, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: All coolers out of tempAll sample dates do not matchReceived sample B2265 SS-10 not on chainDidn't receive sample B2160 SS-10Log per COC per IvanLog Sample B2265 SS-10 as sample B2160 SS-10 per IvanFollow up: Sample B2265 SS-10 will be logged as rec'd. 1/30/08 9748

Corrective Action:

- ☐ Client Contact Name;
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until;

Informed by: _____

If released, notify: _____

Project Management Review:

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 08/06/07 VSI/VOA/FORMS/ST-LOUIS/ADMIN/ADMIN004.rtf 11.dbb

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot # (s): F8B050278
- 1829 -

Client: Geologic COC/RFA No: 14108-07-1777 Date: 2-4-08
Quote No: 719100 Initiated By: AB Time: 12:45

Shipping Information

Shipper Name: FE Multiple Packages Y (N)
Shipping # (s):* 718 4293 4388 Sample Temperature (s):**
1. ambient 6.
2. 7.
3. 8.
4. 9.
5. 10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C. If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests-Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1. <u>Y</u> <u>(N)</u>	Are there custody seals present on the cooler?	8. <u>Y</u> <u>(N)</u>	Are there custody seals present on bottles?
2. <u>Y</u> <u>N</u> <u>(N/A)</u>	Do custody seals on cooler appear to be tampered with?	9. <u>Y</u> <u>N</u> <u>(N/A)</u>	Do custody seals on bottles appear to be tampered with?
3. <u>(Y)</u> <u>N</u>	Were contents of cooler frisked after opening, but before unpacking?	10. <u>Y</u> <u>N</u> <u>(N/A)</u>	Was sample received with proper pH? (If not, make note below)
4. <u>(Y)</u> <u>N</u>	Sample received with Chain of Custody?	11. <u>Y</u> <u>N</u>	If N/A- Was pH taken by original TestAmerica lab?
5. <u>(Y)</u> <u>N</u> <u>(N/A)</u>	Does the Chain of Custody match sample ID's on the container(s)?	12. <u>(Y)</u> <u>N</u>	Sample received in proper containers?
6. <u>Y</u> <u>(N)</u>	Was sample received broken?	13. <u>Y</u> <u>N</u> <u>(N/A)</u>	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7. <u>(Y)</u> <u>N</u>	Is sample volume sufficient for analysis?	14. <u>Y</u> <u>N</u>	Was Internal COC/Worksheet received?

¹ For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: No list in COC. Log chloride, sulfate & pH per CV.

Corrective Action:

- ☐ Client Contact Name:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until:

Informed by:

If released, notify:

Project Management Review:

Date:

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 08/06/07 USNR-011 VOA FORM 081 ST-LOUIS ADMIN 004 rev11.d61

LOT# F8D040131-Rev 1

110 of 110



ANALYTICAL REPORT

PROJECT NO. 6468071777

EXELON Victoria COL PROJECT

Lot #: F8G110112

Kathryn A. White

MACTEC Engineering & Consultin
1540 North 107 East Avenue
Tulsa, OK 74116

TESTAMERICA LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "Ivan Vania", is written over a horizontal line.

Ivan Vania
Project Manager

July 11, 2008

*Went to site
for Kathryn A. White
with permission
with
7-11-08*

Case Narrative
LOT NUMBER: F8G110112

This report contains the analytical results for the seven samples received under chain of custody by TestAmerica St. Louis on July 11, 2008. These samples are associated with your EXELON Victoria COL PROJECT.

The analytical results included in this report meet all applicable quality control procedure requirements.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Method 9045C is listed on the results report due to a limitation of the laboratory's data reporting system. However, method 9045D was used for the analysis of pH. This can be verified by observation of the lab bench worksheets in the raw data package.

Observations/Nonconformances

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

There were no nonconformances or observations noted with any analysis on this lot.

METHODS SUMMARY

F8G110112

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Chloride	MCAWW 300.0A	MCAWW 300.0A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA
Sulfate	MCAWW 300.0A	MCAWW 300.0A

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F8G110112

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KRDCX	001	TP-2102	07/10/08	
KRDG7	002	TP-2103	07/10/08	
KRDG8	003	TP-2104	07/10/08	
KRDG9	004	TP-2201	07/10/08	
KRDHA	005	TP-2202	07/10/08	
KRDHE	006	TP-2203	07/10/08	
KRDHF	007	TP-2204	07/10/08	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2102

General Chemistry

Lot-Sample #...: F8G110112-001 Work Order #...: KRDCX Matrix.....: SOLID
Date Sampled...: 07/10/08 Date Received...: 07/11/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.0	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	670	45.6	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 20	Analysis Time...: 12:33	©	
Percent Moisture	12.4	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	1380	114	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 20	Analysis Time...: 12:33		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2103

General Chemistry

Lot-Sample #....: F8G110112-002
Date Sampled....: 07/10/08
% Moisture.....: 12

Work Order #....: KRDG7
Date Received...: 07/11/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	325	45.4	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 20	Analysis Time...: 01:16		
Percent Moisture	12.0	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	55.7	5.7	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 02:48		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2104

General Chemistry

Lot-Sample #...: F8G110112-003
Date Sampled...: 07/10/08
% Moisture.....: 11

Work Order #...: KR088
Date Received...: 07/11/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.6	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	501	45.1	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 20	Analysis Time...: 01:27		
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	59.0	5.6	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 02:59		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2201

General Chemistry

Lot-Sample #....: F8G110112-004 Work Order #....: KRDG9 Matrix.....: SOLID
Date Sampled....: 07/10/08 Date Received...: 07/11/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	3.9	2.3	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 1	Analysis Time...: 03:10		
Percent Moisture	13.0	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	11.8	5.7	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 03:10		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2202

General Chemistry

Lot-Sample #....: F8G110112-005
Date Sampled...: 07/10/08
% Moisture.....: 17

Work Order #....: KRDHA
Date Received...: 07/11/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.3	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	547	48.0	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 20	Analysis Time...: 01:49		
Percent Moisture	16.7	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	43.7	6.0	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 03:21		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2203

General Chemistry

Lot-Sample #....: F8G110112-006
Date Sampled....: 07/10/08
% Moisture.....: 14

Work Order #....: KRDHE
Date Received...: 07/11/08

Matrix.....: SOLID

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	8.5	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	399	46.5	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 20	Analysis Time...: 02:00		
Percent Moisture	14.0	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	176	5.8	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 03:32		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

MACTEC Engineering and Consulting Inc

Client Sample ID: TP-2204

General Chemistry

Lot-Sample #....: F8G110112-007

Work Order #....: KRDHF

Matrix.....: SOLID

Date Sampled....: 07/10/08

Date Received...: 07/11/08

% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH (solid)	9.0	0.10	No Units	SW846 9045C	07/11/08	8193262
			Dilution Factor: 1	Analysis Time...: 00:00		
Chloride	9.5	2.3	mg/kg	MCAWW 300.0A	07/11/08	8193282
			Dilution Factor: 1	Analysis Time...: 03:43		
Percent Moisture	12.6	0.10	%	MCAWW 160.3 MOD	07/11/08	8193259
			Dilution Factor: 1	Analysis Time...: 00:00		
Sulfate	15.0	5.7	mg/kg	MCAWW 300.0A	07/11/08	8193283
			Dilution Factor: 1	Analysis Time...: 03:43		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F8G110112

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: KRE1R1AA 2.0	mg/kg	MB Lot-Sample #: F8G110000-282 MCAWW 300.0A	07/11/08	8193282
		Dilution Factor: 1 Analysis Time...: 12:07				
Sulfate	ND	Work Order #: KRE1W1AA 5.0	mg/kg	MB Lot-Sample #: F8G110000-283 MCAWW 300.0A	07/11/08	8193283
		Dilution Factor: 1 Analysis Time...: 12:07				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F8G110112

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH (solid)	100	Work Order #: KRDV81AA LCS Lot-Sample#: F8G110000-262 (99 - 101) Dilution Factor: 1	SW846 9045C	07/11/08	8193262
Chloride	101	Work Order #: KRE1R1AC LCS Lot-Sample#: F8G110000-282 (90 - 110) Dilution Factor: 1	MCAWW 300.0A	07/11/08	8193282
Sulfate	98	Work Order #: KRE1W1AC LCS Lot-Sample#: F8G110000-283 (90 - 110) Dilution Factor: 1	MCAWW 300.0A	07/11/08	8193283

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F8G110112

Matrix.....: SOLID

Date Sampled...: 07/10/08

Date Received...: 07/11/08

Percent Moisture: 0.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	98	Work Order #...: KRDCX1AF (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8G110112-001 07/11/08	8193282
		Dilution Factor: 20		Analysis Time...: 12:33	
Sulfate	107	Work Order #...: KRDCX1AH (90 - 110)	MCAWW 300.0A	MS Lot-Sample #: F8G110112-001 07/11/08	8193283
		Dilution Factor: 20		Analysis Time...: 12:33	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

LOT# F8G110112

17 of 21

St. Louis Laboratory
101-10150

TestAmerica St. Louis Laboratory
pH Method 9045D

Page: 1 of 1

Analyst: SDB

Batch No.: 8193262

Analysis Date: 7-11-8

[illegible]

Control Limits (Water): LCS = 99 - 101

SOP
STL-WC-0011

Rev
9

Date
10/18/2007

TestAmerica St. Louis

File: Slsvr01\Wet Chem Results\pH, modified 02/21/07

F8G110112

CLIENT ANALYSIS SUMMARY

Storage Loc:

2-131

Project Manager: IV

Quote #: 78576

SDG:

Date Received:

2008-07-11

Project: 6468071777

EXELON Victoria COL 200803591

Analytical Due Date:

2008-07-11

PO#: 2008086614

Report to: Kathryn White

Report Due Date:

2008-07-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS in LOT: 7

Report Type: W

EDD Code: 00

RUSH

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
1	TP-2102			2008-07-10 / 0	KRDCX	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: A	WRK LOC 06
S XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
S XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
X XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
X XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
2	TP-2103			2008-07-10 / 0	KRDG7	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: A	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
3	TP-2104			2008-07-10 / 0	KRDG8	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: A	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
4	TP-2201			2008-07-10 / 0	KRDG9	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06
XX WM	MCAW 180.3 W MOD	SOLID, 180.3 MOD, Percent Moisture	88 NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET	PROT: A	WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
5	TP-2202			2008-07-10 / 0	KRDHA	SOLID
SAMPLE COMMENTS:						
XX CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chr	82 LEACHATE, DI (Routine)	01 STANDARD TEST SET	PROT: B	WRK LOC 06

TestAmerica - St. Louis

Logged In by: DANIELSB

2008-07-11

12:08:42

printed on: Friday, July 11, 2008 04:41 PM

Page 1 of 2

LOT# F8G110112

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F8G110112

CLIENT ANALYSIS SUMMARY

Storage Loc:

2-131

Project Manager: IV

Quote #: 78576

SDG:

Date Received:

2008-07-11

Project: 6468071777

EXELON Victoria COL 200803591

Analytical Due Date:

2008-07-11

PO#: 2008086614

Report to: Kathryn White

Report Due Date:

2008-07-11

Client: 373886 MACTEC Engineering and Consulting Inc

#SMPS In LOT: 7

Report Type: W

EDD Code: 00

RUSH

XX	CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro)	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: B	WRK LOC	06
XX	WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
6	TP-2203			2008-07-10 / 0	KRDHE	SOLID
SAMPLE COMMENTS:						
XX	CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chro)	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06
XX	CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro)	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06
XX	OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06
XX	WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET PROT: A WRK LOC 06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A	
7	TP-2204			2008-07-10 / 0	KRDHF	SOLID	
SAMPLE COMMENTS:							
XX	CX	MCAW 300.0A W	SOLID, 300.0A, Chloride (300.0A, Ion Chro)	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06	
XX	CY	MCAW 300.0A W	SOLID, 300.0A, Sulfate (300.0A, Ion Chro)	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06	
XX	OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06	
XX	WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET PROT: A WRK LOC 06	
X	XX	OZ	SW846 9045C	SOLID, 9045C, pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01 STANDARD TEST SET PROT: B WRK LOC 06
X	XX	WM	MCAW 160.3 W MOD	SOLID, 160.3 MOD, Percent Moisture	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01 STANDARD TEST SET PROT: A WRK LOC 06

CUL 403

CHAIN OF CUSTODY RECORD
EXELON COL PROJECT (VICTORIA COUNTY SITE)
MACTEC JOB NO. 6468-07-1777

COC No. *V-28*

[illegible]

Remarks: If relinquishing to a common carrier or Fed Ex - Record tracking number

Receiving Laboratory: Please return original form after signing for receipt of samples; keep copy for your records. Retain all portions of unused samples in labeled containers.



ORIGINAL

Lot #(s): F86110112
- 4003 -

Client: Martel COC/RFA No: V-26 Date: 7/11/08
Quote No: 78576 Initiated By: Yao Time: 0113

Shipping Information

Shipper Name: PC
Shipping # (s):*

Multiple Packages Y (N)
Sample Temperature (s):**

Shipping # (s).		Date		Description	
1.	7989 7715 4280	6.		1.	Amber
2.		7.		2.	
3.		8.		3.	
4.		9.		4.	
5.		10.		5.	

*Numbered shipping lines correspond to Numbered Sample Temp lines

****Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests-Liquid or Solids**

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y ☒ N ☐	Are there custody seals present on the cooler?	8.	Y ☒ N ☐	Are there custody seals present on bottles?
2.	Y ☐ N ☒ N/A	Do custody seals on cooler appear to be tampered with?	9.	Y ☐ N ☒ N/A	Do custody seals on bottles appear to be tampered with?
3.	☒ Y ☐ N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y ☐ N ☒ N/A	Was sample received with proper pH? (If not, make note below)
4.	☒ Y ☐ N	Sample received with Chain of Custody?	11.	Y ☐ N ☐	If N/A- Was pH taken by original TestAmerica lab?
5.	☒ Y ☐ N ☐ N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	☒ Y ☐ N ☐	Sample received in proper containers?
6.	Y ☒ N ☐	Was sample received broken?	13.	Y ☐ N ☒ N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	☒ Y ☐ N	Is sample volume sufficient for analysis?	14.	Y ☐ N ☐	Was Internal COC/Workshare received?

¹ For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:

- ☐ Client Contact Name: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____

Informed by:

If released, notify:

Project Management Review:

Date:

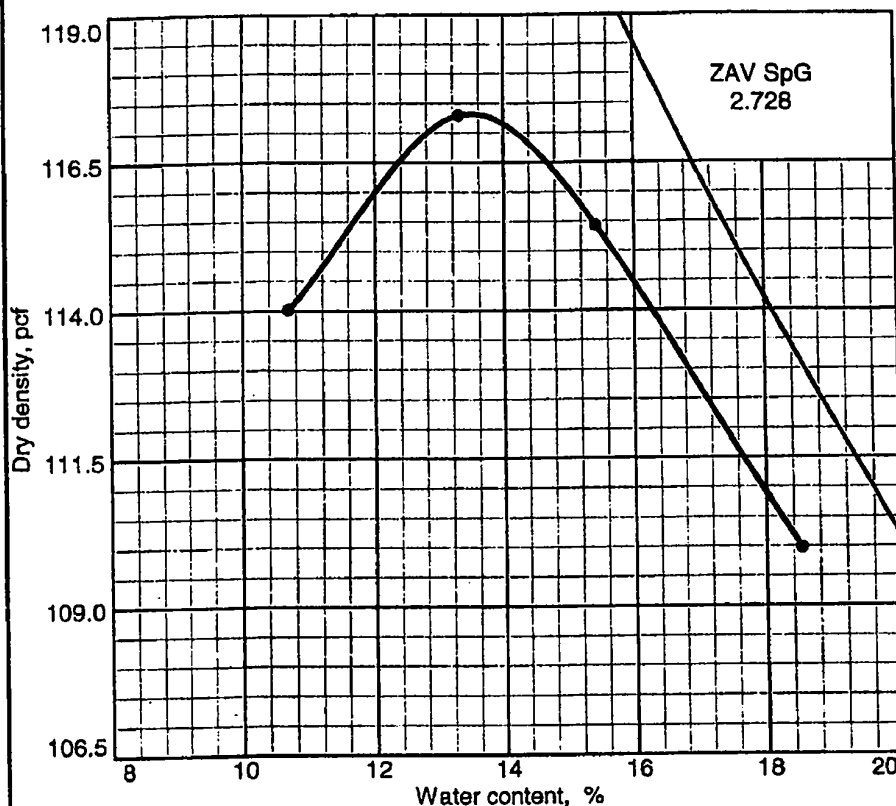
THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

LOT# F8G110112

ADMIN-0004, REVISED 08/06/07\IS\svr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004rev11.doc

Modified Proctor Compaction Test – Test Pits

COMPACTION TEST REPORT/ ASTM D-1557-02



Curve No.
TP 2101 BULK 1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method DRY
 Hammer Wt. 10 lb.
 Hammer Drop 18 in.(mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Sieve
 NM 17.5 LL 54 PI 37
 Sp.G. (ASTM D 854) 2.728
 %No.4 0.0 %No.200 83.7
 USCS CH AASHTO A-7-6(32)
 Date Sampled 1/17/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6112.8	6213.5	6218.5	6175.0		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	555.80	516.30	738.70	564.70		
WD + T #1	502.80	456.50	640.90	477.50		
TARE #1	6.80	6.80	6.80	6.50		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	10.7	13.3	15.4	18.5		
DRY DENSITY	114.0	117.3	115.4	110.0		

TEST RESULTS

Maximum dry density = 117.5 pcf

Optimum moisture = 13.5 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

• Source: TP-2101 Sample No.: 2101,B1 Elev./Depth: 8

MACTEC, Inc.
 Raleigh, North Carolina

Material Description

Light Yellowish Brown Fat CLAY with sand

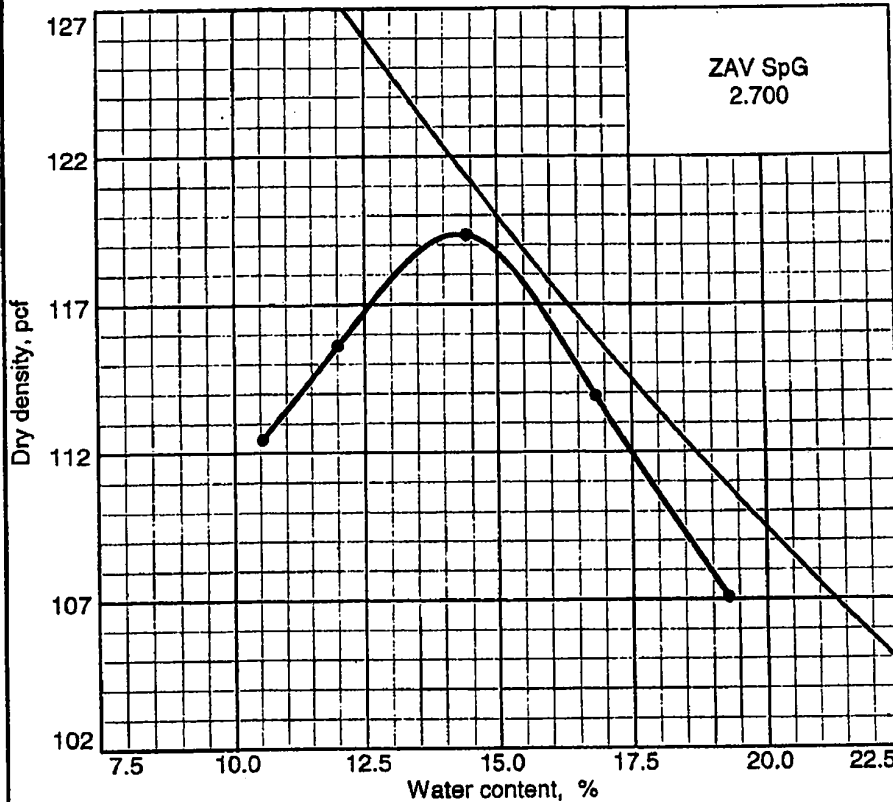
Remarks:

Natural Moisture obtained from Sample J-2, 8'

Checked by: LBJ
 Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02



Curve No.
TP 2102 BULK 1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
 Hammer Wt. 10 lb.
 Hammer Drop 18 in.(mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Sieve
 NM 15.7 LL 50 PI 34
 Sp.G. (ASTM D 854) 2.700
 %>No.4 0.0 %<No.200 84.7
 USCS CH AASHTO A-7-6(29)
 Date Sampled 1/17/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6162.2	6268.3	6216.1	6135.8	6084.1	
WM	4214.0	4214.0	4214.0	4214.0	4214.0	
WW + T #1	588.00	558.40	656.70	729.30	514.60	
WD + T #1	525.70	488.90	563.10	612.50	466.20	
TARE #1	6.80	6.80	6.80	7.00	6.80	
WW + T #2	N/A	N/A	N/A	N/A	N/A	
WD + T #2	N/A	N/A	N/A	N/A	N/A	
TARE #2	N/A	N/A	N/A	N/A	N/A	
MOISTURE	12.0	14.4	16.8	19.3	10.5	
DRY DENSITY	115.6	119.3	113.9	107.1	112.4	

TEST RESULTS

Maximum dry density = 119.5 pcf

Optimum moisture = 14.5 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

Source: TP-2102 Sample No.: 2102,B1 Elev./Depth: 8'

MACTEC, Inc.

Raleigh, North Carolina

Material Description

Light Olive Brown Fat CLAY with sand

Remarks:

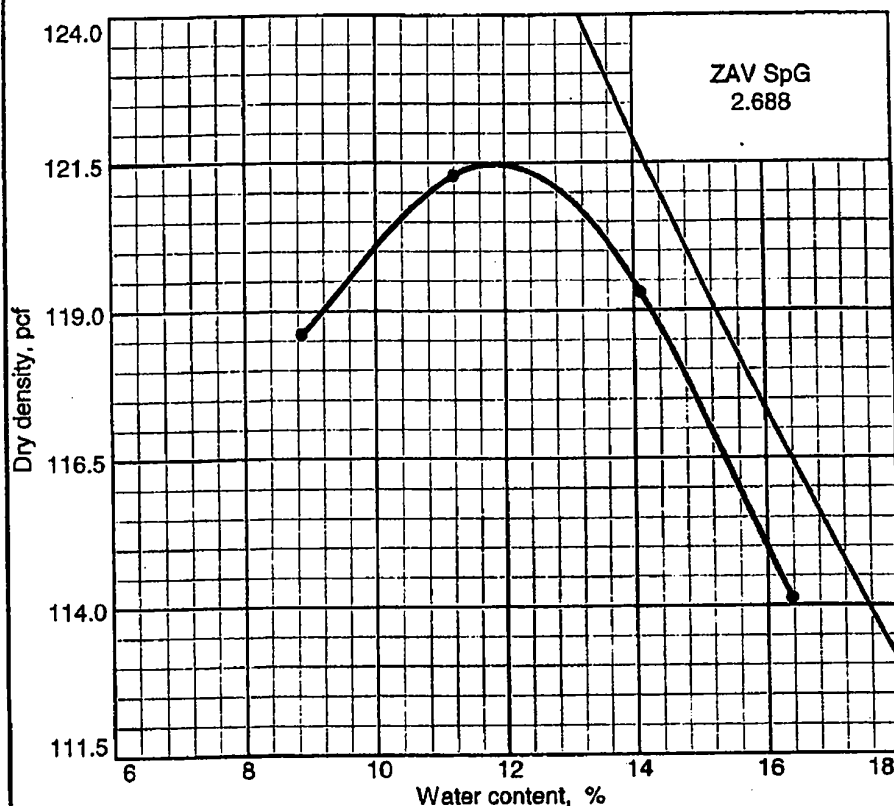
Natural Moisture obtained from Sample J-4, 8'

Checked by: LBJ

Title: LAB MANAGER

KAW 7-10-08 Figure NA

COMPACTION TEST REPORT/ ASTM D-1557-02



Curve No.
TP 2103 B1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method DRY
 Hammer Wt. 10 lb.
 Hammer Drop 18 in. (mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Sieve
 NM 26.9 LL 49 PI 34
 Sp.G. (ASTM D 854) 2.688
 %>No.4 0.2 %<No.200 78.6
 USCS CL AASHTO A-7-6(26)
 Date Sampled 1/17/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6156.5	6242.9	6262.0	6212.2		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	532.70	512.80	634.50	683.40		
WD + T #1	489.90	461.90	556.90	588.20		
TARE #1	6.70	6.80	6.70	6.80		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	8.9	11.2	14.1	16.4		
DRY DENSITY	118.6	121.3	119.3	114.1		

TEST RESULTS

Maximum dry density = 121.5 pcf

Optimum moisture = 12.0 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

• Source: TP-2103 Sample No.: 2103,B1 Elev./Depth: 8'

MACTEC, Inc.
 Raleigh, North Carolina

Material Description

Pale Brown Lean CLAY with sand

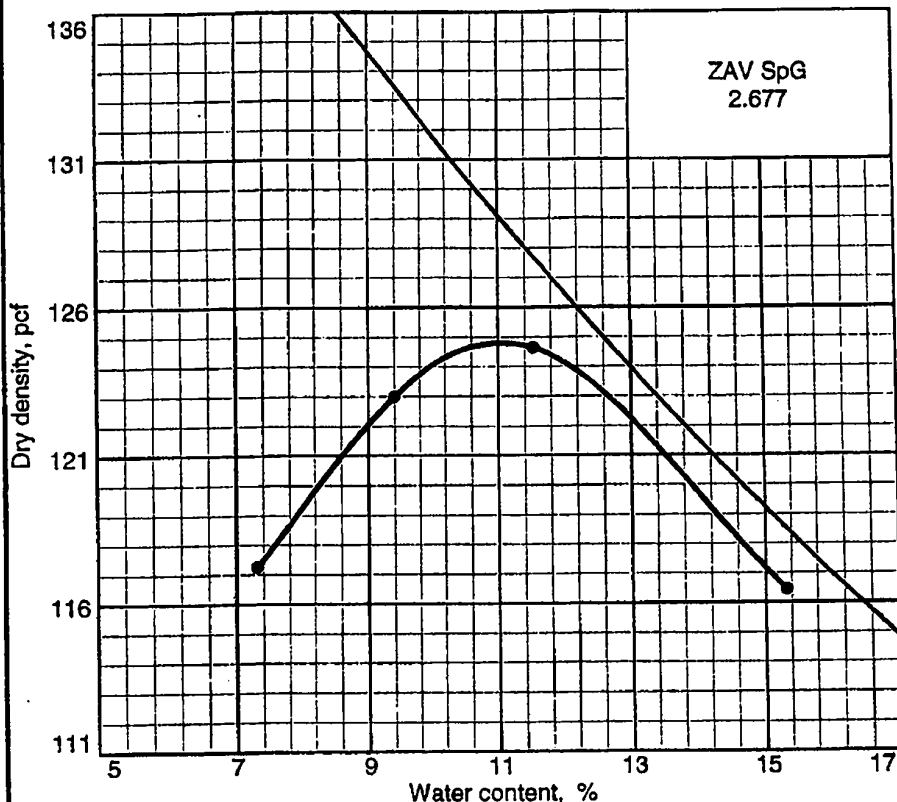
Remarks:

Natural Moisture obtained from Sample J-4, 8'

Checked by: LBJ
 Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02



Curve No.
TP 2104 BULK 1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
 Hammer Wt. 10 lb.
 Hammer Drop 18 in.(mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Sieve
 NM 11.1 LL 38 PI 25
 Sp.G. (ASTM D 854) 2.677
 %No.4 0.0 %No.200 75.7
 USCS CL AASHTO A-6(17)
 Date Sampled 1/18/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6106.9	6238.4	6305.3	6234.4		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	565.10	543.30	857.50	718.80		
WD + T #1	527.10	497.20	769.60	624.20		
TARE #1	6.80	6.80	6.80	6.90		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	7.3	9.4	11.5	15.3		
DRY DENSITY	117.2	123.0	124.6	116.4		

TEST RESULTS

Maximum dry density = 125.0 pcf

Optimum moisture = 11.0 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

• Source: TP-2104 Sample No.: 2104,B1 Elev./Depth: 8'

MACTEC, Inc.
 Raleigh, North Carolina

Material Description

Pale Brown Lean CLAY with sand

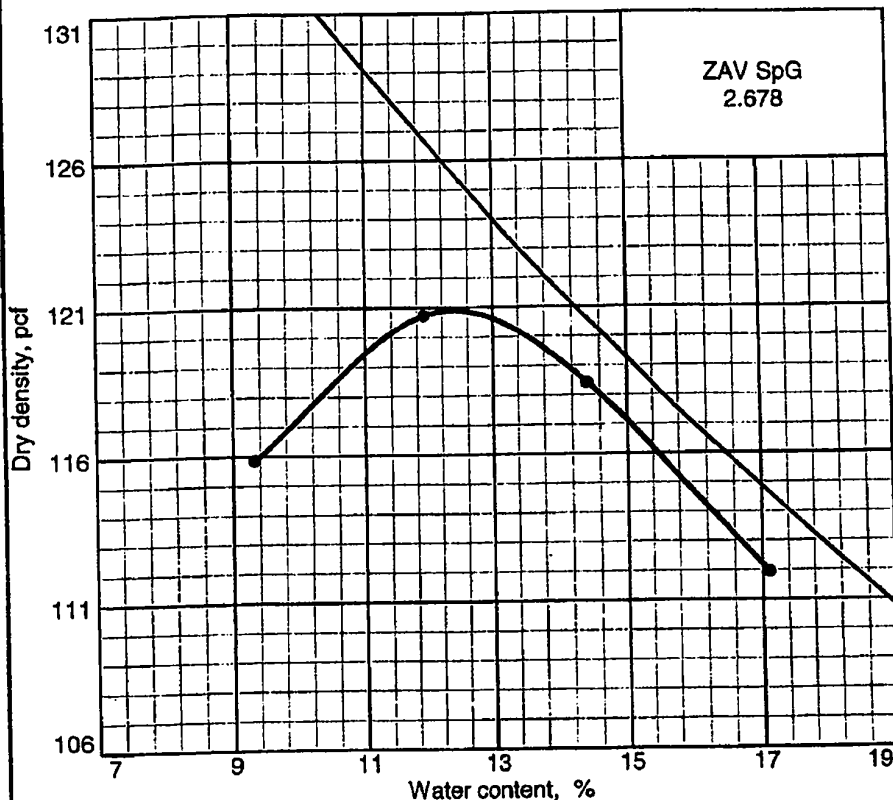
Remarks:

Natural Moisture obtained from Sample J-4, 8'

Checked by: LBJ
 Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02



Curve No.
TP 2201 B1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
Hammer Wt. 10 lb.
Hammer Drop 18 in.(mechanical)
Number of Layers five
Blows per Layer 25
Mold Size .03317 cu.ft.

Test Performed on Material
Passing No.4 Sieve

NM 18.1 LL 47 PI 32

Sp.G. (ASTM D 854) 2.678

%>No.4 0.0 %<No.200 70.6

USCS CL AASHTO A-7-6(21)

Date Sampled 1/17/08

Date Tested 3/11/08

Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6119.4	6246.8	6252.5	6186.2		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	591.00	534.10	565.40	660.40		
WD + T #1	541.20	478.00	495.00	564.90		
TARE #1	6.80	6.90	6.60	6.70		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	9.3	11.9	14.4	17.1		
DRY DENSITY	115.8	120.7	118.4	111.9		

TEST RESULTS

Maximum dry density = 121.0 pcf

Optimum moisture = 12.5 %

Project No. 6468071777 Client: Bechtel

Project: Exelon Texas COL (Victoria)

● Source: TP-2201 Sample No.: 2201,B1 Elev./Depth: 5-10'

MACTEC, Inc.

Raleigh, North Carolina

Material Description

Pale Yellow Lean CLAY with sand

Remarks:

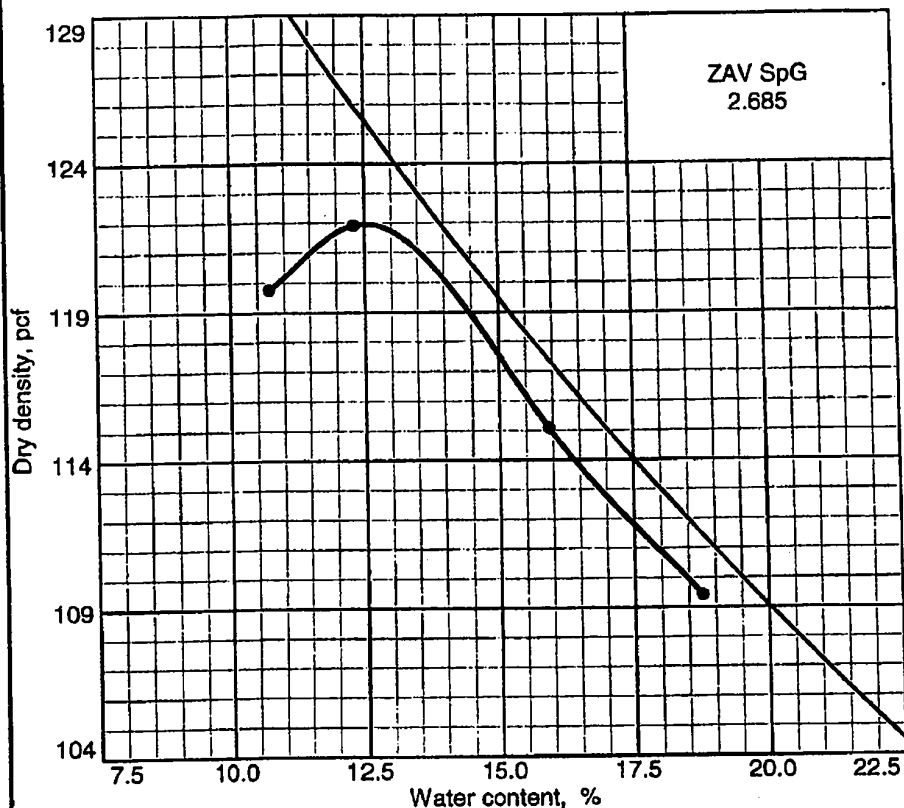
Natural moisture obtained from Sample B1-J, 5'

Checked by: LBJ

Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02e1



Curve No.
TP 2202 BULK 1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
 Hammer Wt. 10 lb.
 Hammer Drop 18 in.(mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Sieve
 NM 19.6 LL 50 PI 33
 Sp.G. (ASTM D 854) 2.685
 %>No.4 0.0 %<No.200 78.0
 USCS CH AASHTO A-7-6(25)
 Date Sampled 1/17/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6208.9	6274.3	6221.3	6169.0		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	522.30	671.60	626.10	727.00		
WD + T #1	472.40	598.70	541.00	613.20		
TARE #1	6.70	6.90	6.80	6.80		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	10.7	12.3	15.9	18.8		
DRY DENSITY	119.8	121.9	115.1	109.4		

TEST RESULTS

Maximum dry density = 122.0 pcf

Optimum moisture = 12.5 %

Project No. 6468071777 Client: Bechtel

Project: Exelon Texas COL (Victoria)

• Source: TP-2202

Sample No.: 2202,B1 Elev./Depth: 8'

MACTEC, Inc.

Raleigh, North Carolina

Material Description

Pale Yellow Fat CLAY with sand

Remarks:

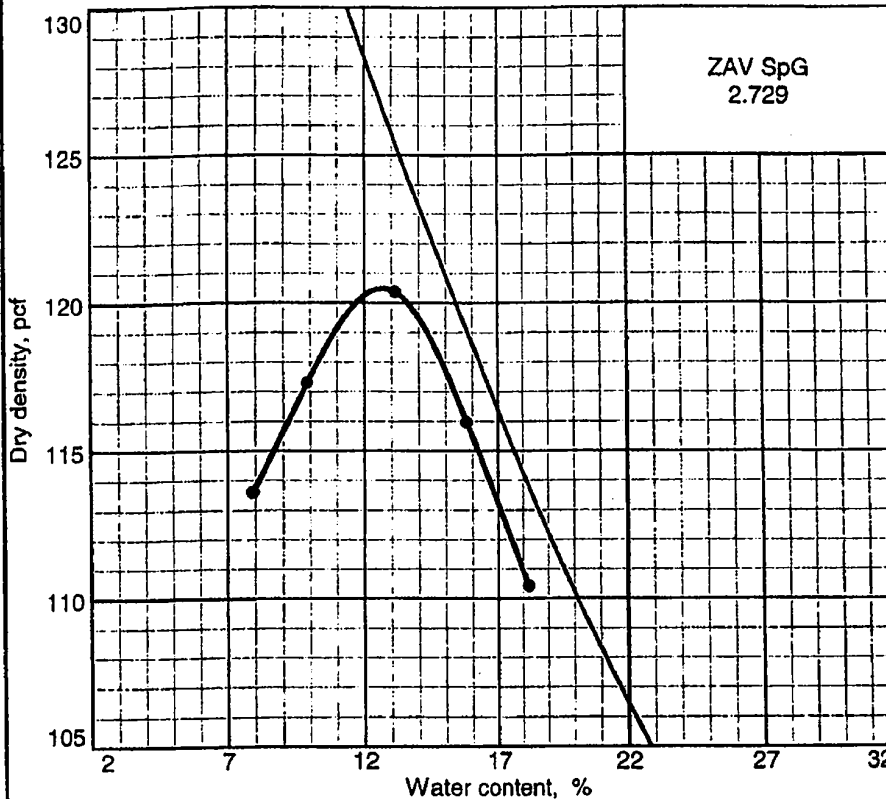
Natural Moisture obtained from Sample B1-J, 5-10'

Checked by: LBJ

Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02e1



Curve No.
TP 2203 B1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
 Hammer Wt. 10 lb.
 Hammer Drop 18 in.(mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu.ft.
 Test Performed on Material
 Passing No.4 Slave
 NM 17.7 LL 48 PI 33
 Sp.G. (ASTM D 854) 2.729
 %>No.4 0.0 %<No.200 83.4
 USCS CL AASHTO A-7-6(27)
 Date Sampled 1/18/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6152.9	6262.7	6233.9	6177.9	6058.0	
WM	4214.0	4214.0	4214.0	4214.0	4214.0	
WW + T #1	552.50	660.00	665.00	510.00	515.00	
WD + T #1	503.50	584.20	575.30	432.50	477.80	
TARE #1	6.80	6.70	6.80	7.00	6.80	
WW + T #2	N/A	N/A	N/A	N/A	N/A	
WD + T #2	N/A	N/A	N/A	N/A	N/A	
TARE #2	N/A	N/A	N/A	N/A	N/A	
MOISTURE	9.9	13.1	15.8	18.2	7.9	
DRY DENSITY	117.3	120.4	116.0	110.4	113.6	

TEST RESULTS

Maximum dry density = 120.5 pcf

Optimum moisture = 12.5 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

Source: TP-2203 Sample No.: 2203,B1 Elev./Depth: 8'

MACTEC, Inc.
 Raleigh, North Carolina

Material Description

Pale Brown Lean CLAY with sand

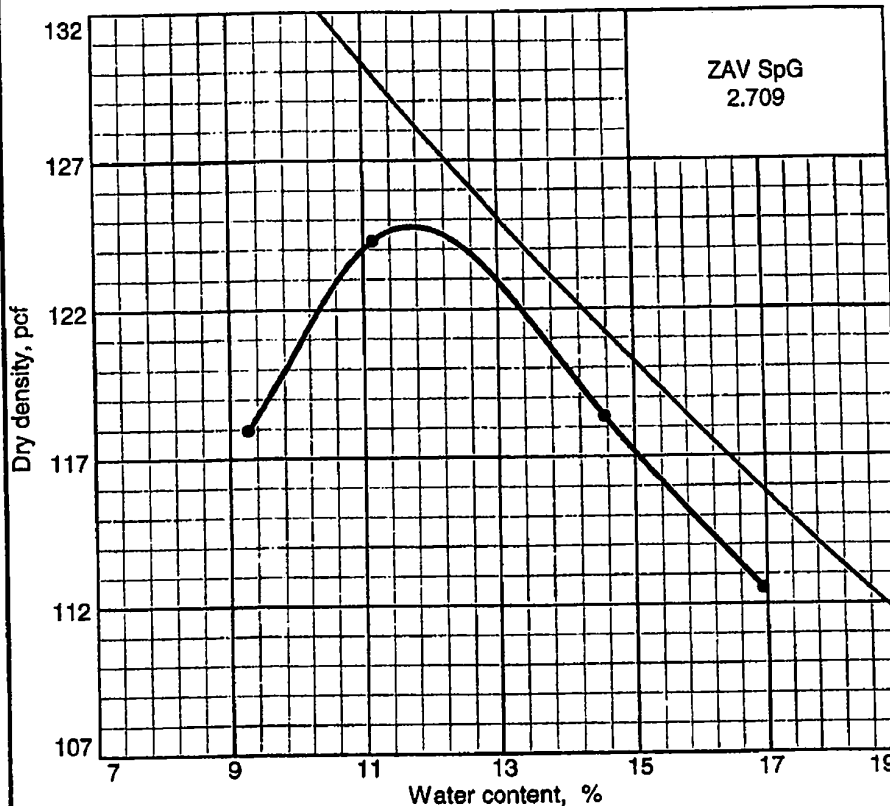
Remarks:

Natural Moisture obtained from Sample J-4, 8'

Checked by: LBJ
 Title: LAB MANAGER

KAW 7-10-08 Figure N/A

COMPACTION TEST REPORT/ ASTM D-1557-02e1



Curve No.
TP 2204 B1

Test Specification:
ASTM D 1557-02 Method A Modified

Preparation Method Dry
 Hammer Wt. 10 lb.
 Hammer Drop 18 in. (mechanical)
 Number of Layers five
 Blows per Layer 25
 Mold Size .03317 cu. ft.
 Test Performed on Material
 Passing No. 4 Sieve
 NM 17.2 LL 43 PI 29
 Sp.G. (ASTM D 854) 2.709
 %No. 4 0.0 %No. 200 84.4
 USCS CL AASHTO A-7-6(24)
 Date Sampled 1/17/08
 Date Tested 3/11/08
 Tested By AWH

TESTING DATA

	1	2	3	4	5	6
WM + WS	6153.0	6292.4	6254.1	6194.0		
WM	4214.0	4214.0	4214.0	4214.0		
WW + T #1	578.00	648.20	544.40	513.40		
WD + T #1	529.60	583.90	476.10	440.00		
TARE #1	6.80	6.80	7.00	6.70		
WW + T #2	N/A	N/A	N/A	N/A		
WD + T #2	N/A	N/A	N/A	N/A		
TARE #2	N/A	N/A	N/A	N/A		
MOISTURE	9.3	11.1	14.6	16.9		
DRY DENSITY	118.0	124.3	118.4	112.5		

TEST RESULTS

Maximum dry density = 125.0 pcf

Optimum moisture = 11.5 %

Project No. 6468071777 Client: Bechtel
 Project: Exelon Texas COL (Victoria)

Source: TP-2204 Sample No.: 2204,B1 Elev./Depth: 5-10'

MACTEC, Inc.
 Raleigh, North Carolina

Material Description

Pale Brown Lean CLAY with sand

Remarks:

Natural moisture obtained from Sample B1-J, 5-10'

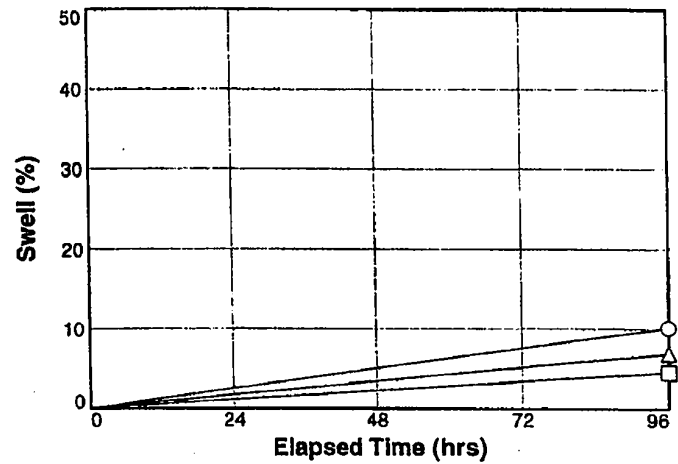
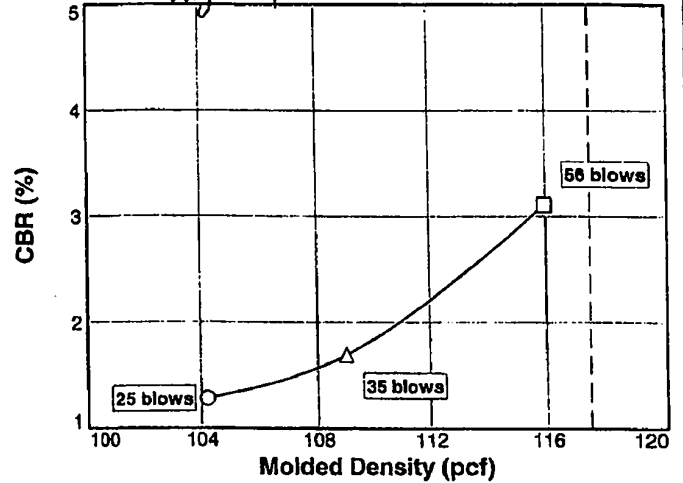
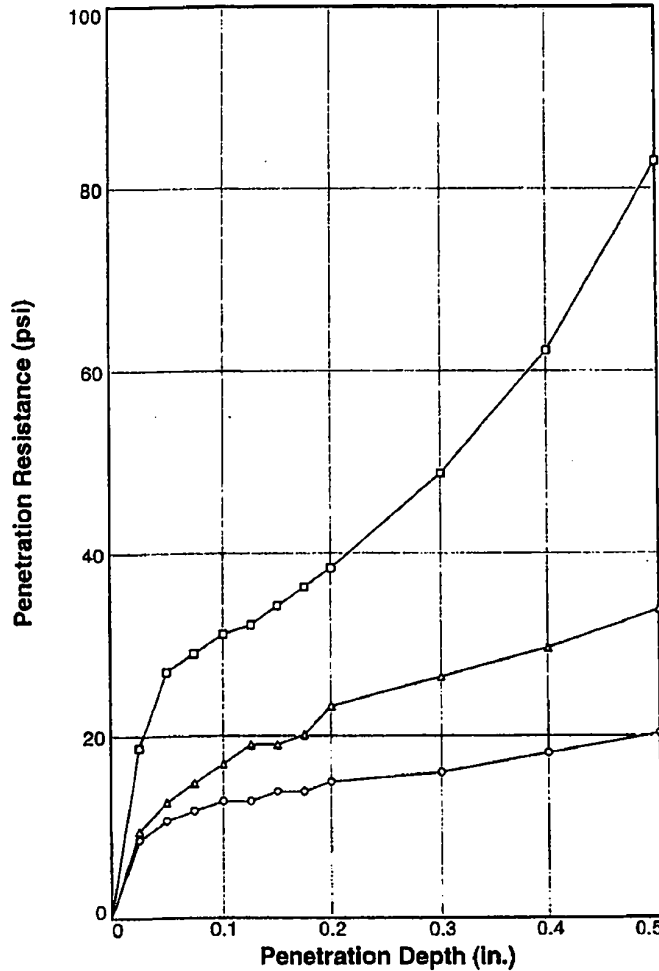
Checked by: LBJ
 Title: LAB MANAGER

KAW 7.10.08 Figure 1/A

California Bearing Ratio Tests

BEARING RATIO TEST REPORT

ASTM D 1883-99 05 24/10/08



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	104.0	88.5	13.4	94.5	80.6	22.8	1.3	1.0	0.000	10.02	10.1
2 △	109.0	92.8	13.9	102.0	86.8	20.5	1.7	1.6	0.000	10.005	6.9
3 □	116.0	98.7	13.2	111.0	94.4	18.0	3.1	2.6	0.000	10.019	4.5
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Light Yellowish Brown Fat CLAY with sand							CH	117.5	13.5	54	37

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2101

Depth: 8

Sample Number: 2101,B1

Date: 1/17/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture is average of top, middle, and bottom.

Figure NA

BEARING RATIO TESTING RESULTS

(ASTM D 1883-99) 05 May 2008

Date: 1/17/08
 Project No.: 6468071777
 Project: Exelon Texas COL (Victoria)
 Location: TP-2101
 Depth: 8 Sample Number: 2101,B1
 Material Description: Light Yellowish Brown Fat CLAY with sand
 USCS Classification: CH
 Liquid Limit: 54 Plasticity Index: 37
 Test Description: Prepared in accordance with ASTM D 1557-02
 Maximum Dry Density: 117.5 Optimum Moisture Content: 13.5
 Testing Remarks: Soaked moisture is average of top, middle, and bottom.

Sample 1 (25 Blows; Surcharge: 10.02 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 312.5 Wt. Soil+Tare, gms. 276.5 Wt. Tare, gms. 6.90

Moisture, % 13.4

Unit Weight

Wt. Mold+Soil, gms. 12274.4 Wt. Mold, gms. 8255.9 Ht. Soil, in. 4.583

Density, pcf 104.0

Swell Data

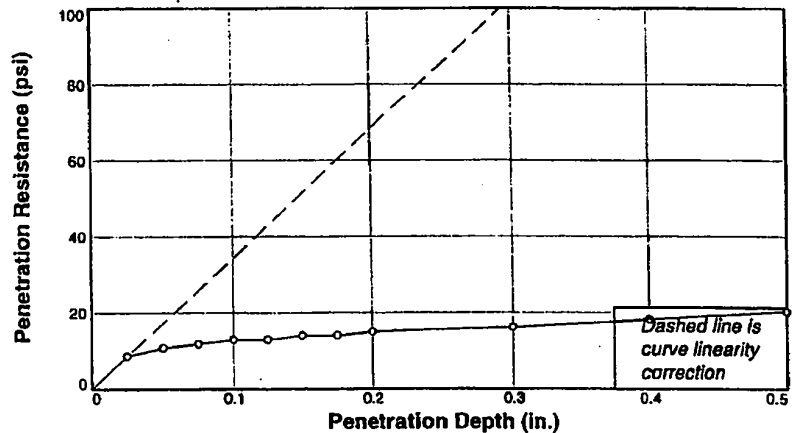
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	462	10.1

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	505.3	385.4	6.90	31.7
Middle	554.9	469.8	6.90	18.4
Bottom	554.9	469.8	6.90	18.4

Penetration Test Data

Pen. in.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	8	8.5	
0.05	10	10.7	
0.075	11	11.7	
0.1	12	12.8	13.4
0.125	12	12.8	
0.15	13	13.8	
0.175	13	13.8	
0.2	14	14.9	10.4
0.3	15	16.0	0.8
0.4	17	18.1	0.8
0.5	19	20.2	0.8



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 10.005 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 232.1

Wt. Soil+Tare, gms. 204.6

Wt. Tare, gms. 6.90

Moisture, % 13.9

Unit Weight

Wt. Mold+Soil, gms. 12443.0

Wt. Mold, gms. 8218.8

Ht. Soil, in. 4.583

Density, pcf 109.0

Swell Data

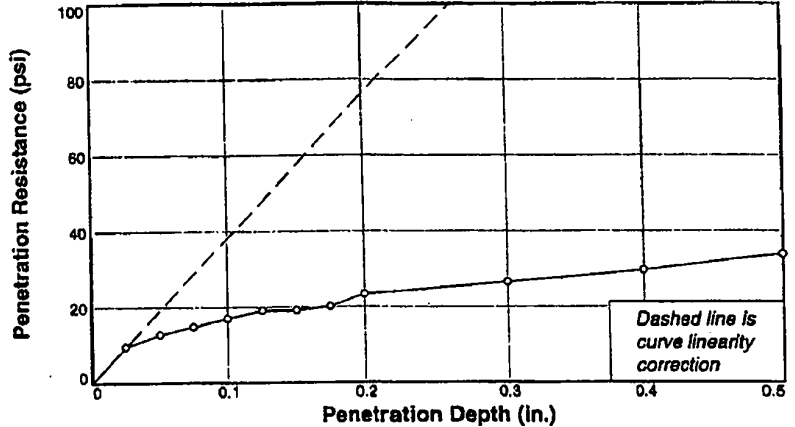
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	314	6.9

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	641.7	496.2	6.60	29.7
Middle	510.2	441.3	6.80	15.9
Bottom	510.2	441.3	6.80	15.9

Penetration Test Data

Pen. in.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	9	9.5	
0.05	12	12.7	
0.075	14	14.8	
0.1	16	16.9	1.7
0.125	18	19.0	
0.15	18	19.0	
0.175	19	20.1	
0.2	22	23.3	1.6
0.3	25	26.4	1.4
0.4	28	29.6	1.3
0.5	32	33.8	1.3



Sample 3 (56 Blows; Surcharge: 10.019 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 277.6

Wt. Soil+Tare, gms. 245.9

Wt. Tare, gms. 6.60

Moisture, % 13.2

Unit Weight

Wt. Mold+Soil, gms. 12672.3

Wt. Mold, gms. 8204.8

Ht. Soil, in. 4.584

Density, pcf 116.0

Swell Data

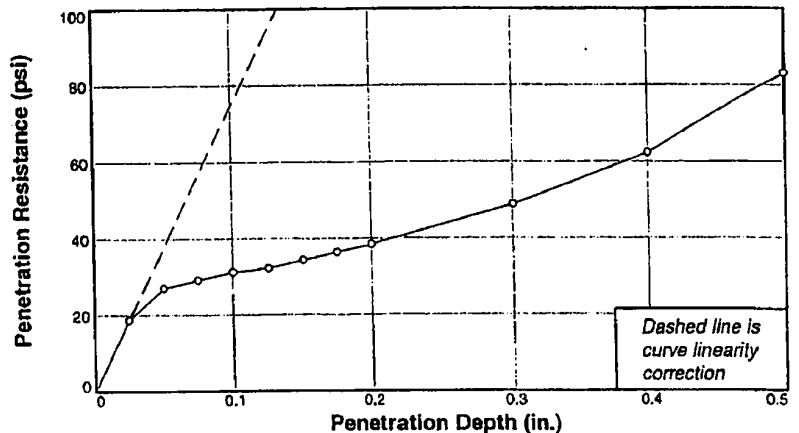
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	207	4.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	505.2	400.7	6.80	26.5
Middle	804.4	708.3	6.90	13.7
Bottom	804.4	708.3	6.90	13.7

Penetration Test Data

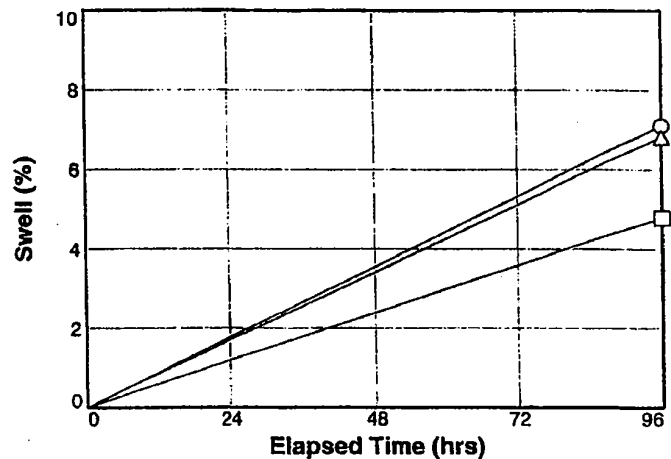
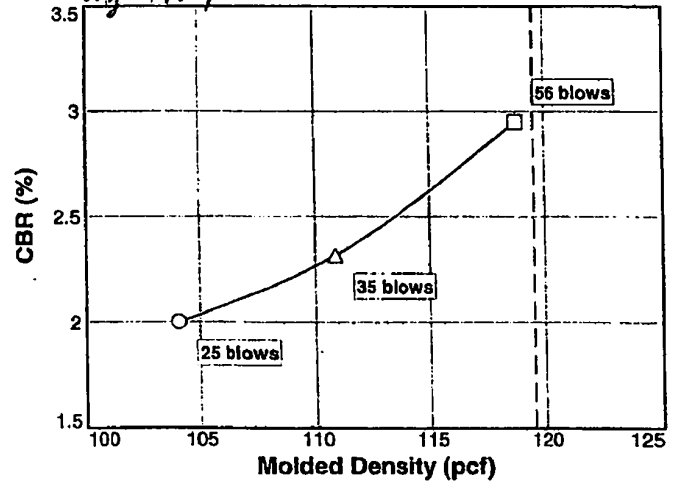
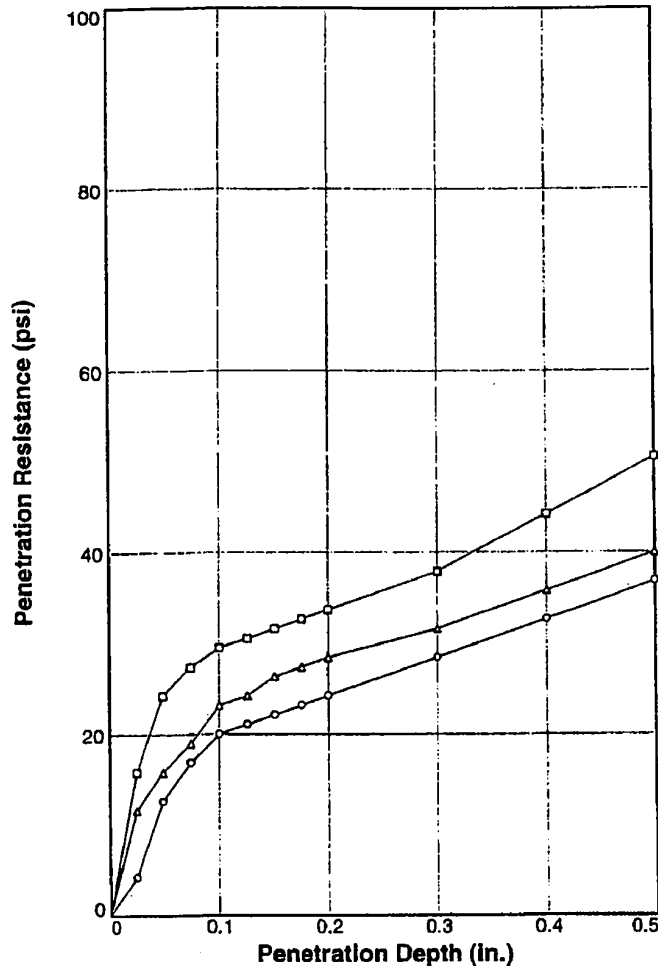
Pen. in.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	18	18.7	
0.05	26	27.0	
0.075	28	29.0	
0.1	30	31.1	3.1
0.125	31	32.1	
0.15	33	34.2	
0.175	35	36.3	
0.2	37	38.4	2.6
0.3	47	48.7	2.6
0.4	60	62.2	2.7
0.5	80	83.0	3.2



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99 *05*
May 4/10/08



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	104.0	87	14.1	97.0	81.3	22.0	2.0	1.6	0.000	10.01	7.1
2 △	111.0	92.9	14.1	104.0	86.8	19.1	2.3	1.9	0.000	10.01	6.8
3 □	118.5	99.2	14.1	113.5	94.8	18.5	2.9	2.2	0.000	10.04	4.8
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Light Olive Brown Fat CLAY with sand							CH	119.5	14.5	50	34

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2102

Depth: 8'

Sample Number: 2102,B1

Date: 1/17/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D-1557-02

Soaked moisture is average of top, middle, and bottom.

Figure *NA*

BEARING RATIO TESTING RESULTS

(ASTM D 1883-99) 05 4/16/08

123

Date: 1/17/08
 Project No.: 6468071777
 Project: Exelon Texas COL (Victoria)
 Location: TP-2102
 Depth: 8' Sample Number: 2102,B1
 Material Description: Light Olive Brown Fat CLAY with sand
 USCS Classification: CH
 Liquid Limit: 50 Plasticity Index: 34

Test Description: Prepared in accordance with ASTM D-1557-02
 Maximum Dry Density: 119.5 Optimum Moisture Content: 14.5
 Testing Remarks: Soaked moisture is average of top, middle, and bottom.

Sample 1 (25 Blows; Surcharge: 10.01 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 279.6 Wt. Soil+Tare, gms. 245.8 Wt. Tare, gms. 6.70

Moisture, % 14.1

Unit Weight

Wt. Mold+Soil, gms. 12296.9 Wt. Mold, gms. 8251.7 Ht. Soil, in. 4.588

Density, pcf 104.0

Swell Data

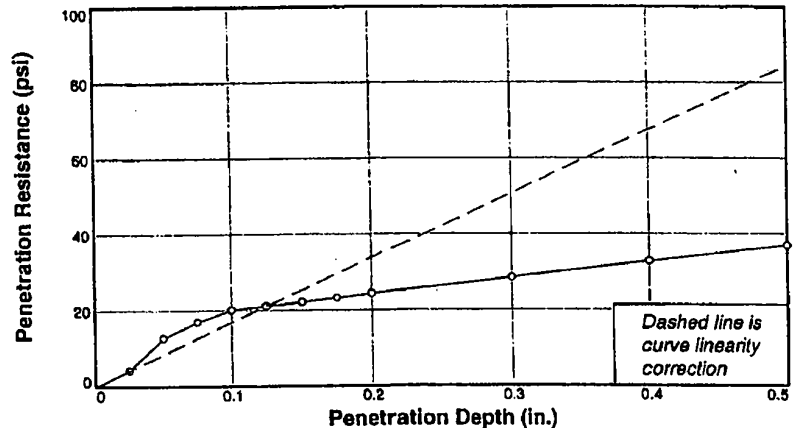
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	325	7.1

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	531.9	416.1	6.90	28.3
Middle	606.4	511.5	6.90	18.8
Bottom	606.4	511.5	6.90	18.8

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	4	4.2	
0.05	12	12.6	
0.075	16	16.8	
0.1	19	20.0	2.0
0.125	20	21.1	
0.15	21	22.1	
0.175	22	23.2	
0.2	23	24.2	1.6
0.3	27	28.4	1.5
0.4	31	32.6	1.4
0.5	35	36.8	1.4



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 10.01 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 350.7 Wt. Soil+Tare, gms. 308.3 Wt. Tare, gms. 6.70

Moisture, % 14.1

Unit Weight

Wt. Mold+Soil, gms. 12533.5 Wt. Mold, gms. 8230.5 Ht. Soil, in. 4.586

Density, pcf 111.0

Swell Data

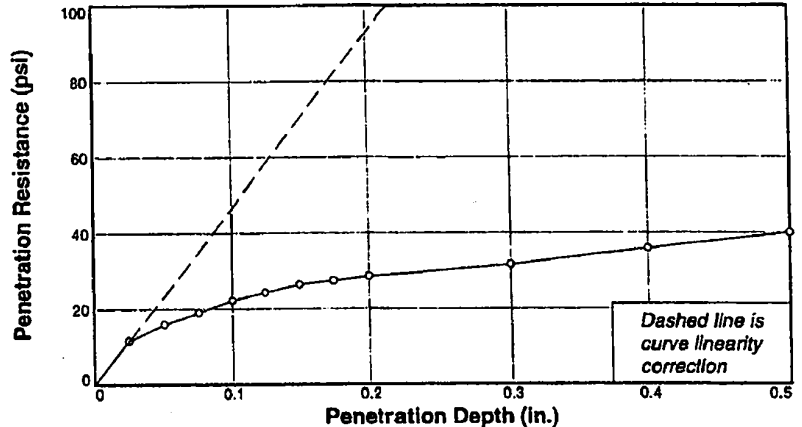
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	312	6.8

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	526.5	416.2	6.90	26.9
Middle	580.3	505.0	6.80	15.1
Bottom	580.3	505.0	6.80	15.1

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	11	11.6	
0.05	15	15.8	
0.075	18	18.9	
0.1	21	22.1	2.2
0.125	23	24.2	
0.15	25	26.3	
0.175	26	27.4	
0.2	27	28.4	1.9
0.3	30	31.6	1.7
0.4	34	35.8	1.6
0.5	38	40.0	1.5



Sample 3 (56 Blows; Surcharge: 10.04 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 271.8 Wt. Soil+Tare, gms. 239.0 Wt. Tare, gms. 6.80

Moisture, % 14.1

Unit Weight

Wt. Mold+Soil, gms. 12867.2 Wt. Mold, gms. 8254.4 Ht. Soil, in. 4.587

Density, pcf 118.5

Swell Data

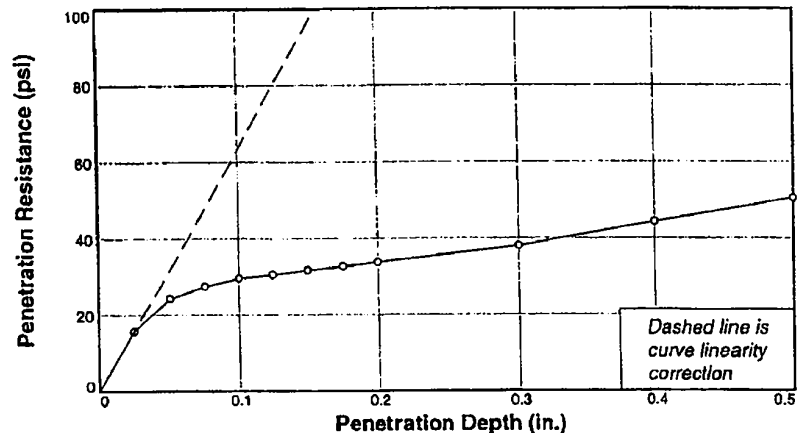
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	219	4.8

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	526.9	418.1	6.90	26.3
Middle	731.0	639.1	6.70	14.5
Bottom	731.0	639.1	6.70	14.5

Penetration Test Data

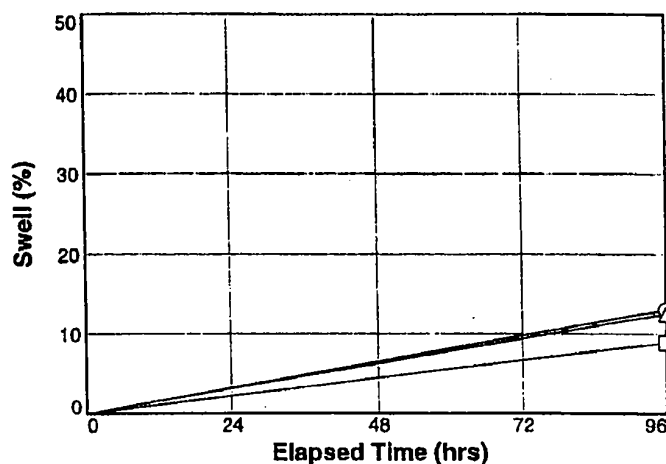
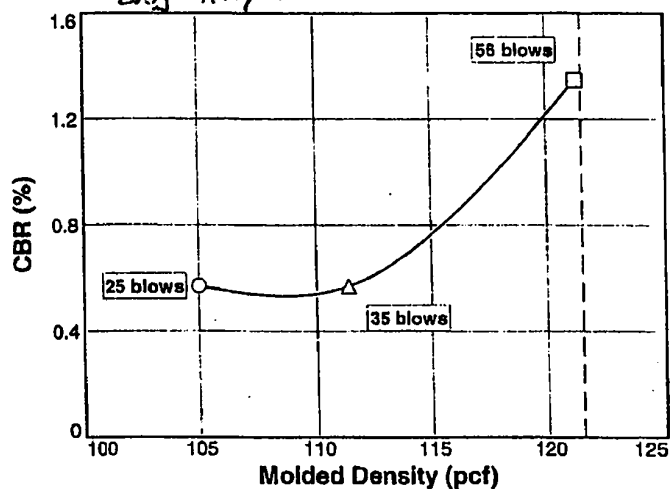
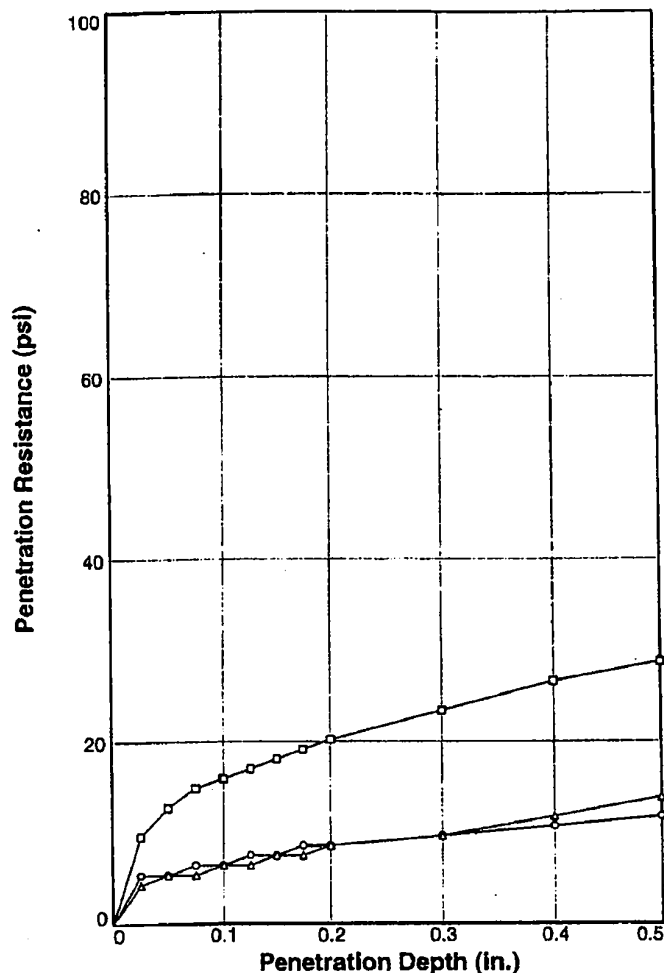
Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	15	15.8	
0.05	23	24.2	
0.075	26	27.4	
0.1	28	29.5	2.9
0.125	29	30.5	
0.15	30	31.6	
0.175	31	32.6	
0.2	32	33.7	2.2
0.3	36	37.9	2.0
0.4	42	44.2	1.9
0.5	48	50.5	1.9



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99 *CB*
Lab 4/10/08



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	105.0	86.4	11.5	93.0	76.5	25.3	0.6	0.6	0.000	9.999	13
2 △	111.5	91.8	11.5	99.0	81.5	22.6	0.6	0.6	0.000	9.99	12.5
3 □	121.5	100	11.5	111.5	91.7	18.9	1.6	1.3	0.000	10.02	8.9
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Brown Lean CLAY with sand							CL	121.5	12.0	49	34

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2103

Depth: 8'

Sample Number: 2103.B1

Date: 1/17/08

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture is average of top, middle, and bottom

BEARING RATIO TEST REPORT

MACTEC, Inc.

Figure *NA*

BEARING RATIO TESTING RESULTS

(ASTM D 1883-99) 05 4/10/08 Lf

Date: 1/17/08
 Project No.: 6468071777
 Project: Exelon Texas COL (Victoria)
 Location: TP-2103
 Depth: 8' Sample Number: 2103,B1
 Material Description: Pale Brown Lean CLAY with sand
 USCS Classification: CL
 Liquid Limit: 49 Plasticity Index: 34
 Test Description: Prepared in accordance with ASTM D 1557-02
 Maximum Dry Density: 121.5 Optimum Moisture Content: 12.0
 Testing Remarks: Soaked moisture is average of top,middle, and bottom

Sample 1 (25 Blows; Surcharge: 9.999 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 269.0 Wt. Soil+Tare, gms. 241.9 Wt. Tare, gms. 6.60

Moisture, % 11.5

Unit Weight

Wt. Mold+Soil, gms. 11045.0 Wt. Mold, gms. 7055.1 Ht. Soil, in. 4.591

Density, pcf 105.0

Swell Data

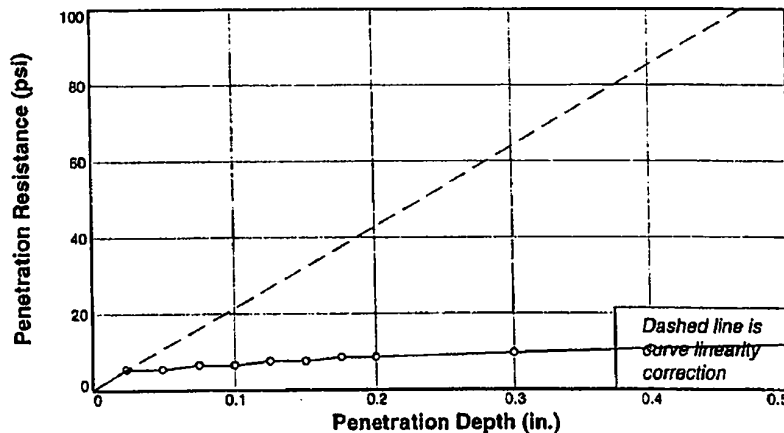
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	597	13.0

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	513.7	392.3	6.80	31.5
Middle	538.2	441.4	6.90	22.3
Bottom	538.2	441.4	6.90	22.3

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	5	5.3	
0.05	5	5.3	
0.075	6	6.4	
0.1	6	6.4	0.6
0.125	7	7.5	
0.15	7	7.5	
0.175	8	8.5	
0.2	8	8.5	0.6
0.3	9	9.6	0.5
0.4	10	10.7	0.5
0.5	11	11.7	0.5



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 9.99 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 235.4 Wt. Soil+Tare, gms. 211.8 Wt. Tare, gms. 7.0

Moisture, % 11.5

Unit Weight

Wt. Mold+Soil, gms. 11397.9 Wt. Mold, gms. 7145.8 Ht. Soil, in. 4.613

Density, pcf 111.5

Swell Data

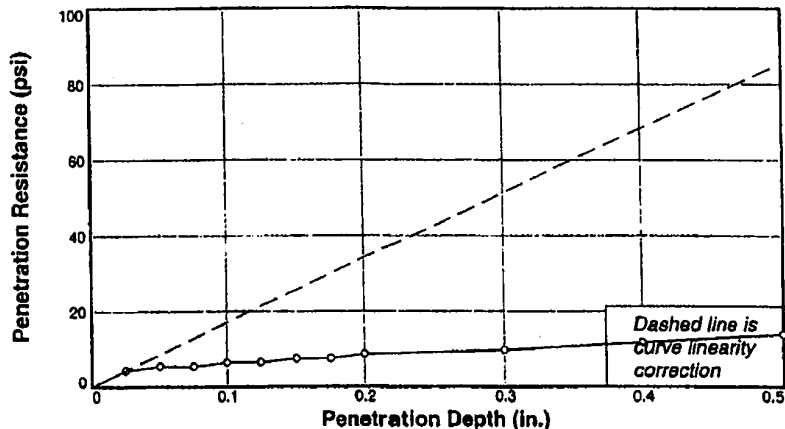
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	575	12.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	524.0	407.5	6.90	29.1
Middle	538.9	452.9	7.00	19.9
Bottom	538.9	452.9	7.00	19.3

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	4	4.3	
0.05	5	5.3	
0.075	5	5.3	
0.1	6	6.4	0.6
0.125	6	6.4	
0.15	7	7.5	
0.175	7	7.5	
0.2	8	8.5	0.6
0.3	9	9.6	0.5
0.4	11	11.7	0.5
0.5	13	13.8	0.5



Sample 3 (56 Blows; Surcharge: 10.02 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 291.4 Wt. Soil+Tare, gms. 262.0 Wt. Tare, gms. 6.80

Moisture, % 11.5

Unit Weight

Wt. Mold+Soil, gms. 11602.0 Wt. Mold, gms. 6990.0 Ht. Soil, in. 4.595

Density, pcf 121.5

Swell Data

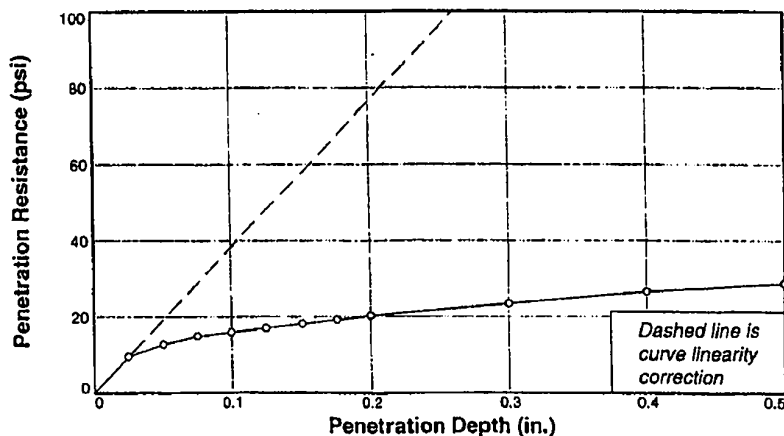
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	408	8.9

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	585.0	464.9	6.70	26.2
Middle	763.4	663.5	7.00	15.2
Bottom	762.3	662.4	7.0	15.2

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	9	9.6	
0.05	12	12.8	
0.075	14	14.9	
0.1	15	15.9	1.6
0.125	16	17.0	
0.15	17	18.1	
0.175	18	19.1	
0.2	19	20.2	1.3
0.3	22	23.4	1.2
0.4	25	26.6	1.2
0.5	27	28.7	1.1

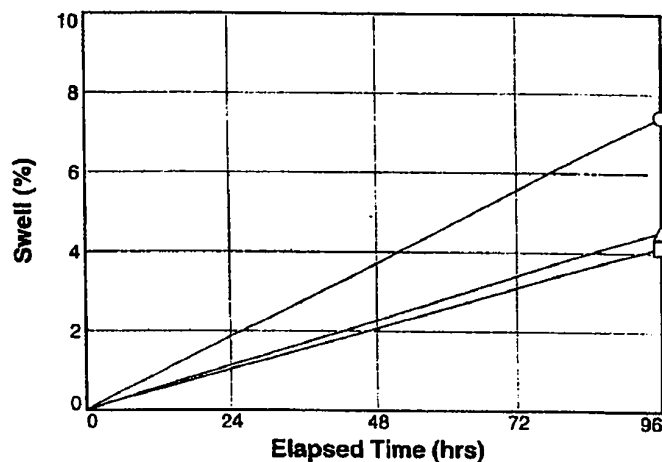
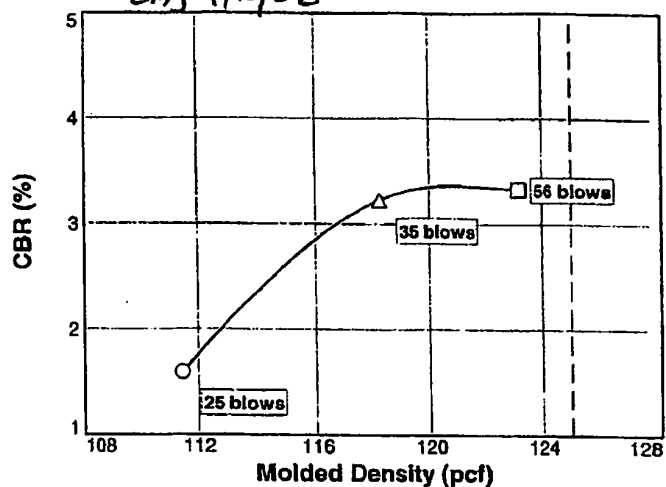
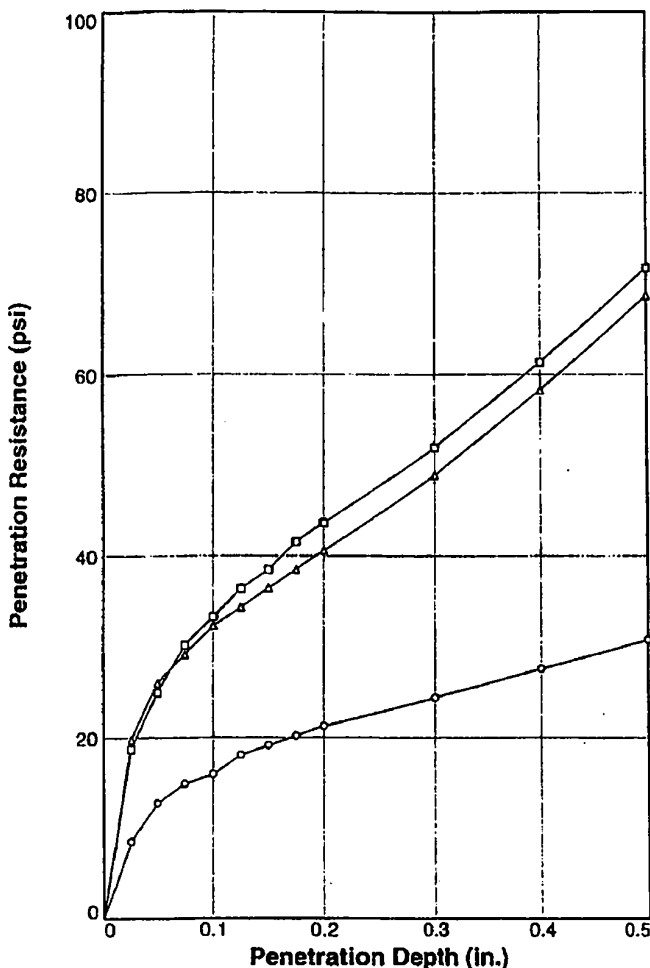


MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99

05
LHJ 4/10/08



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	111.5	89.2	10.5	104.0	83	20.6	1.6	1.4	0.000	10.03	7.4
2 △	118.0	94.4	10.7	113.0	90.5	15.5	3.2	2.7	0.000	10.01	4.5
3 □	123.0	98.4	10.6	118.5	94.6	13.8	3.3	2.9	0.000	10.00	4.1
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Brown Lean CLAY with sand							CL	125.0	11.0	38	25

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2104

Depth: 8'

Sample Number: 2104,B1

Date: 1/18/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked Moisture is average of top, middle, and bottom

Figure 1/4

BEARING RATIO TESTING RESULTS

(ASTM D 1883-98) 05 MAY 4/10/08

Date: 1/18/08
Project No.: 6468071777
Project: Exelon Texas COL (Victoria)
Location: TP-2104
Depth: 8' **Sample Number:** 2104,B1
Material Description: Pale Brown Lean CLAY with sand
USCS Classification: CL
Liquid Limit: 38 **Plasticity Index:** 25
Test Description: Prepared in accordance with ASTM D 1557-02
Maximum Dry Density: 125.0 **Optimum Moisture Content:** 11.0
Testing Remarks: Soaked Moisture is average of top, middle, and bottom

Sample 1 (25 Blows; Surcharge: 10.03 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 373.9 Wt. Soil+Tare, gms. 339.0 Wt. Tare, gms. 6.8

Moisture, % 10.5

Unit Weight

Wt. Mold+Soil, gms. 11221.1 Wt. Mold, gms. 7026.4 Ht. Soil, in. 4.589

Density, pcf 111.5

Swell Data

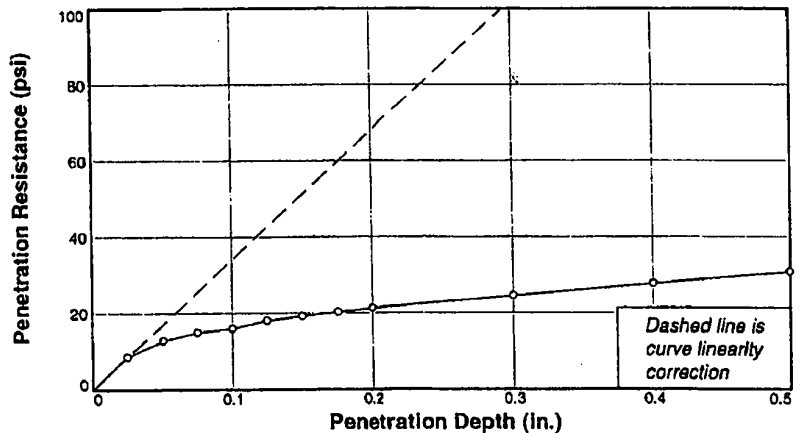
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	340	7.4

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	521.9	418.9	6.80	25.0
Middle	541.5	458.1	6.70	18.5
Bottom	541.5	458.1	6.70	18.5

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	8	8.5	
0.05	12	12.7	
0.075	14	14.8	
0.1	15	15.9	1.6
0.125	17	18.0	
0.15	18	19.1	
0.175	19	20.1	
0.2	20	21.2	1.4
0.3	23	24.4	1.3
0.4	26	27.6	1.2
0.5	29	30.7	1.2



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 10.01 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 388.0 Wt. Soil+Tare, gms. 351.3 Wt. Tare, gms. 6.8

Moisture, % 10.7

Unit Weight

Wt. Mold+Soil, gms. 11446.7 Wt. Mold, gms. 6993.2 Ht. Soil, in. 4.588

Density, pcf 118.0

Swell Data

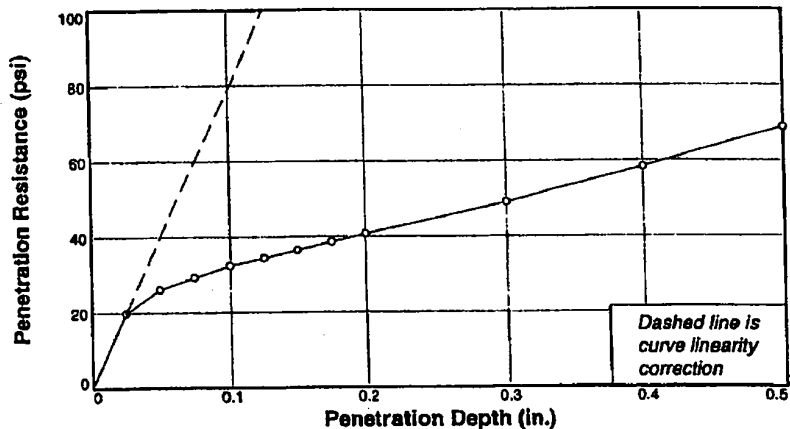
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	208	4.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	524.3	434.1	6.90	21.1
Middle	534.1	475.0	6.90	12.6
Bottom	534.1	475.0	6.90	12.6

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	19	19.8	
0.05	25	26.0	
0.075	28	29.1	
0.1	31	32.3	3.2
0.125	33	34.3	
0.15	35	36.4	
0.175	37	38.5	
0.2	39	40.6	2.4
0.3	47	48.9	2.6
0.4	56	58.3	2.5
0.5	66	68.7	2.6



Sample 3 (56 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 369.7 Wt. Soil+Tare, gms. 334.8 Wt. Tare, gms. 6.70

Moisture, % 10.6

Unit Weight

Wt. Mold+Soil, gms. 11673.1 Wt. Mold, gms. 7028.4 Ht. Soil, in. 4.593

Density, pcf 123.0

Swell Data

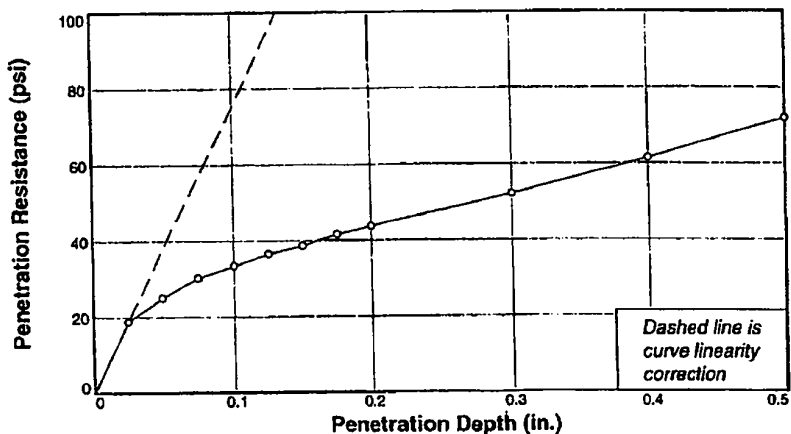
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	190	4.1

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	553.0	464.7	6.80	19.3
Middle	576.6	519.6	6.70	11.1
Bottom	576.6	519.6	6.70	11.1

Penetration Test Data

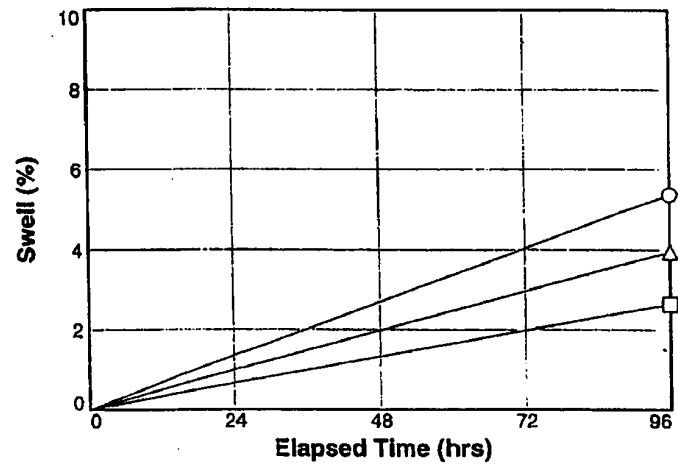
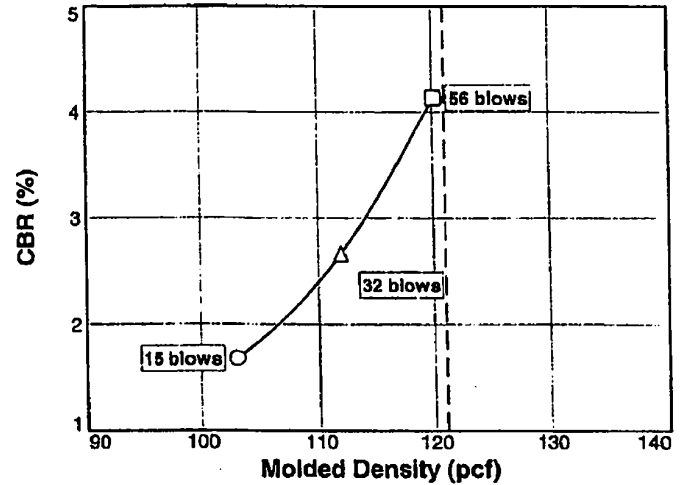
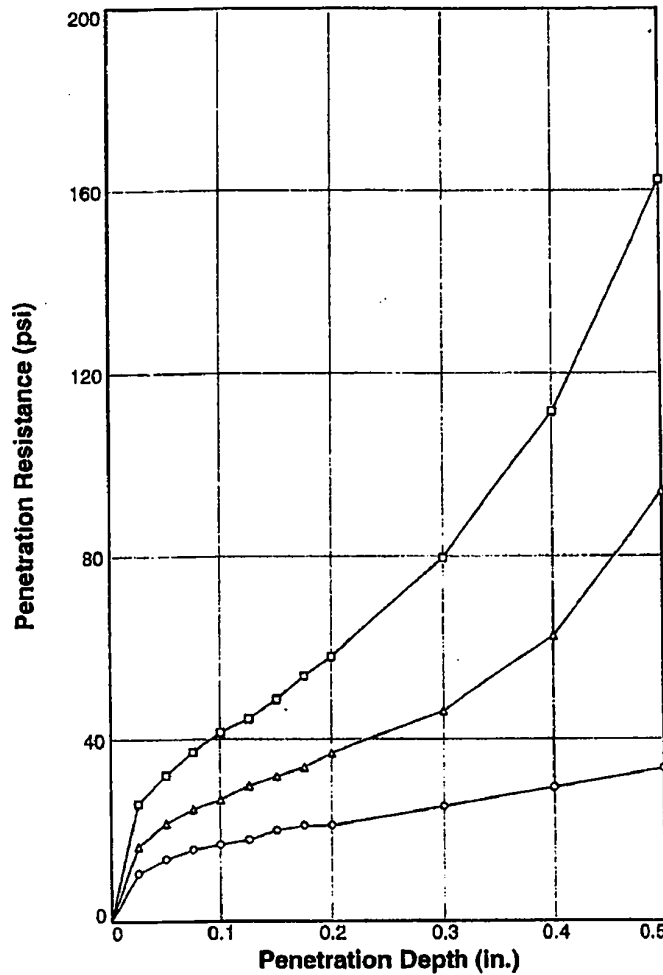
Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	18	18.7	
0.05	24	24.9	
0.075	29	30.1	
0.1	32	33.3	3.3
0.125	35	36.4	
0.15	37	38.5	
0.175	40	41.6	
0.2	42	43.7	2.9
0.3	50	52.0	2.7
0.4	59	61.3	2.7
0.5	69	71.7	2.8



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99 *05 LAB 4/10/08*



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	103.0	85.1	12.9	98.0	80.8	20.0	1.7	1.4	0.000	10.00	5.4
2 △	112.0	92.6	12.3	107.5	89	16.1	2.7	2.5	0.000	10.00	3.9
3 □	120.0	99.2	12.0	117.0	96.7	17.4	4.1	3.9	0.000	10.00	2.6
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Yellow Lean CLAY with sand							CL	121.0	12.5	47	32

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2201

Depth: 5-10'

Sample Number: 2201,B1

Date: 1/17/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture is average of top, middle, and bottom.

Figure *NA*

BEARING RATIO TESTING RESULTS

(ASTM D 1883-99) 05 15 4/10/08

Date: 1/17/08
 Project No.: 6468071777
 Project: Exelon Texas COL (Victoria)
 Location: TP-2201
 Depth: 5-10' Sample Number: 2201,B1
 Material Description: Pale Yellow Lean CLAY with sand
 USCS Classification: CL
 Liquid Limit: 47 Plasticity Index: 32

Test Description: Prepared in accordance with ASTM D 1557-02
 Maximum Dry Density: 121.0 Optimum Moisture Content: 12.5
 Testing Remarks: Soaked moisture is average of top, middle, and bottom.

Sample 1 (15 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 390.1 Wt. Soil+Tare, gms. 346.2 Wt. Tare, gms. 6.50

Moisture, % 12.92

Unit Weight

Wt. Mold+Soil, gms. 10993.4 Wt. Mold, gms. 7027.5 Ht. Soil, in. 4.593

Density, pcf 103.0

Swell Data

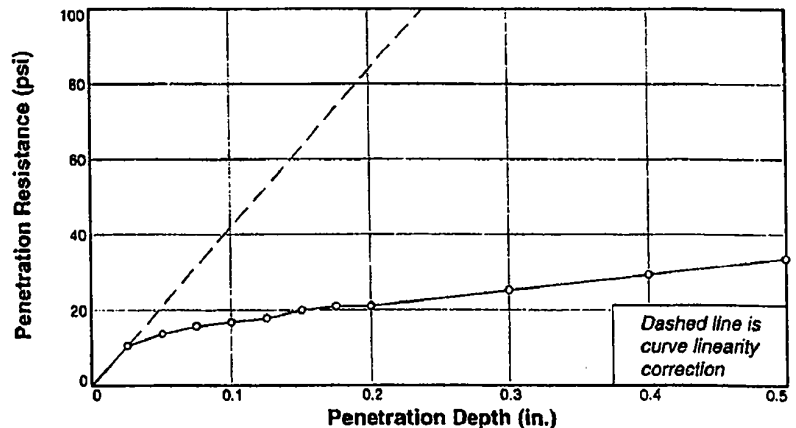
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	247	5.4

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture %
Top	525.2	413.6	6.80	27.4
Middle	530.2	457.1	6.80	16.2
Bottom	530.2	457.1	6.80	16.2

Penetration Test Data

Pen. in.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	10	10.5	
0.05	13	13.6	
0.075	15	15.7	
0.1	16	16.7	1.7
0.125	17	17.8	
0.15	19	19.9	
0.175	20	20.9	
0.2	20	20.9	1.4
0.3	24	25.1	1.3
0.4	28	29.3	1.3
0.5	32	33.5	1.3



MACTEC, Inc.

Sample 2 (32 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 388.2 Wt. Soil+Tare, gms. 346.4 Wt. Tare, gms. 6.60

Moisture, % 12.3

Unit Weight

Wt. Mold+Soil, gms. 11308.6 Wt. Mold, gms. 7026.1 Ht. Soil, in. 4.589

Density, pcf 112.0

Swell Data

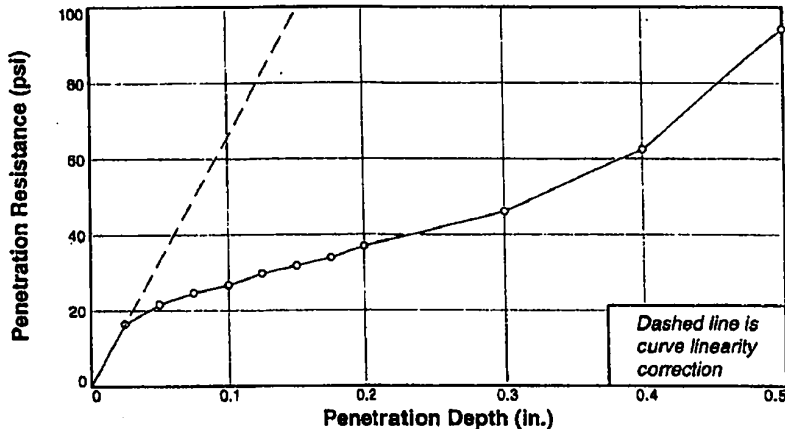
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	181	3.9

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	501.4	411.5	6.80	22.0
Middle	660.6	584.8	6.80	12.5
Bottom	660.6	584.8	6.80	12.5

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	16	16.4	
0.05	21	21.5	
0.075	24	24.6	
0.1	26	26.8	
0.125	29	29.7	
0.15	31	31.7	
0.175	33	33.8	
0.2	36	36.9	
0.3	45	46.1	2.4
0.4	61	62.5	2.7
0.5	92	94.2	3.6



Sample 3 (56 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 459.2 Wt. Soil+Tare, gms. 410.8 Wt. Tare, gms. 6.50

Moisture, % 12.0

Unit Weight

Wt. Mold+Soil, gms. 11571.6 Wt. Mold, gms. 6992.3 Ht. Soil, in. 4.588

Density, pcf 120.0

Swell Data

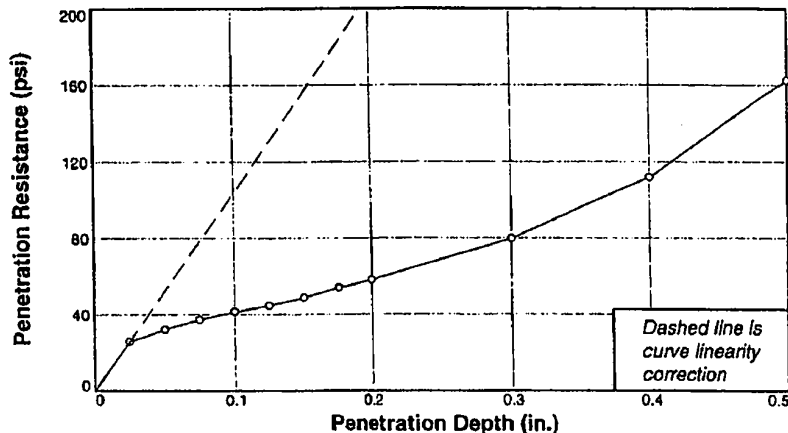
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	121	2.6

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	438.8	348.4	6.90	26.5
Middle	632	560.9	6.90	12.8
Bottom	632.0	560.9	6.90	12.8

Penetration Test Data

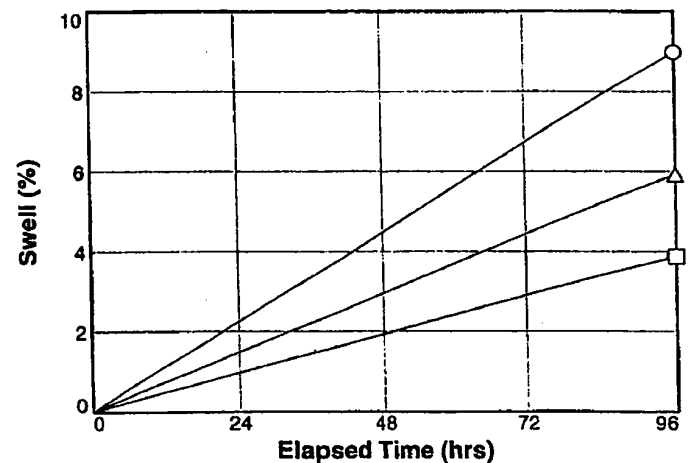
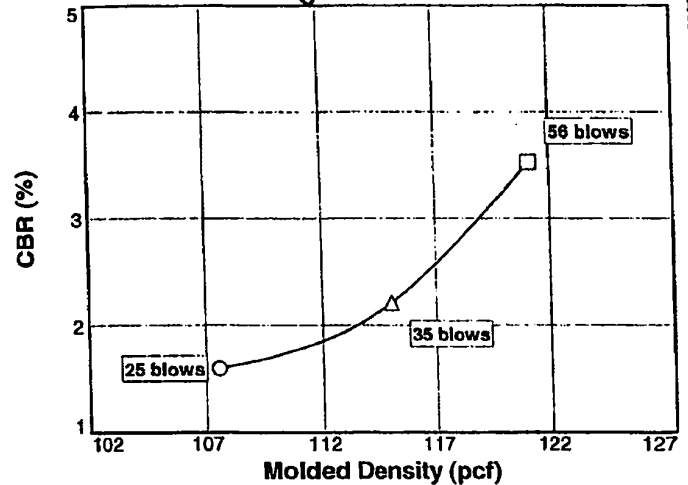
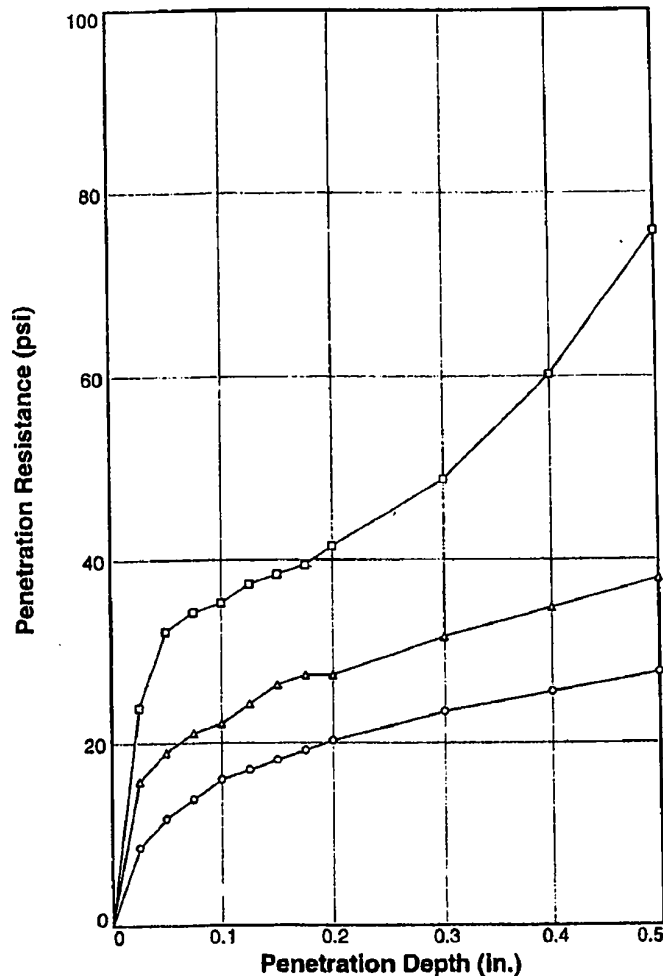
Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	25	25.8	
0.05	31	32.0	
0.075	36	37.2	
0.1	40	41.3	4.1
0.125	43	44.4	
0.15	47	48.6	
0.175	52	53.8	
0.2	56	57.9	3.9
0.3	77	79.6	4.2
0.4	108	111.6	4.9
0.5	157	162.3	6.2



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-95 05 4/10/08



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	107.5	88.1	12.6	98.5	80.9	20.9	1.6	1.3	0.000	9.999	9
2 △	115.0	94.3	12.9	108.5	89	16.7	2.2	1.8	0.000	9.99	5.9
3 □	121.0	99.2	12.8	116.5	95.6	16.3	3.5	2.8	0.000	10.016	3.9
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Yellow Fat CLAY with sand							CH	122.0	12.5	50	33

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2202

Depth: 8'

Sample Number: 2202,B1

Date: 1/17/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture is average of top, middle, and bottom.

Figure NA

BEARING RATIO TESTING RESULTS

(ASTM D 1883-98) 05 4/10/08
L28

Date: 1/17/08
Project No.: 6468071777
Project: Exelon Texas COL (Victoria)
Location: TP-2202
Depth: 8' Sample Number: 2202,B1
Material Description: Pale Yellow Fat CLAY with sand
USCS Classification: CH
Liquid Limit: 50 Plasticity Index: 33
Test Description: Prepared in accordance with ASTM D 1557-02
Maximum Dry Density: 122.0 Optimum Moisture Content: 12.5
Testing Remarks: Soaked moisture is average of top,middle, and bottom.

Sample 1 (25 Blows; Surcharge: 9.999 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 393.0 Wt. Soil+Tare, gms. 349.9 Wt. Tare, gms. 6.8 Moisture, % 12.6

Unit Weight

Wt. Mold+Soil, gms. 11179.7 Wt. Mold, gms. 7053.2 Ht. Soil, in. 4.591 Density, pcf 107.5

Swell Data

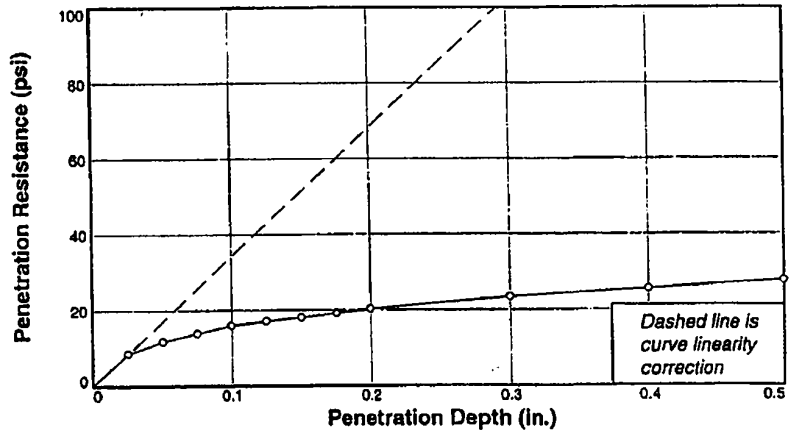
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	412	9.0

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	526.8	409.1	6.80	29.5
Middle	553.4	475.0	6.70	16.2
Bottom	553.4	475.0	6.70	16.7

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	8	8.5	
0.05	11	11.7	
0.075	13	13.8	
0.1	15	16.0	1.6
0.125	16	17.0	
0.15	17	18.1	
0.175	18	19.2	
0.2	19	20.2	1.5
0.3	22	23.4	1.2
0.4	24	25.5	1.1
0.5	26	27.7	1.1



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 9.99 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 347.5 Wt. Soil+Tare, gms. 308.6 Wt. Tare, gms. 6.60

Moisture, % 12.9

Unit Weight

Wt. Mold+Soil, gms. 11593.9 Wt. Mold, gms. 7147.9 Ht. Soil, in. 4.613

Density, pcf 115.0

Swell Data

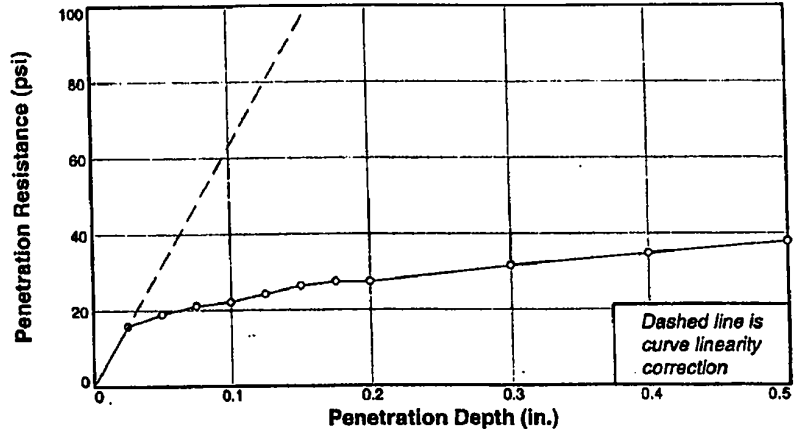
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	273	5.9

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	527.8	426.2	6.90	24.2
Middle	767.9	680.6	6.70	12.0
Bottom	767.9	680.6	6.70	12.0

Penetration Test Data

Pen. In.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	15	15.8	
0.05	18	19.0	
0.075	20	21.1	
0.1	21	22.1	2.2
0.125	23	24.2	
0.15	25	26.3	
0.175	26	27.4	
0.2	26	27.4	1.8
0.3	30	31.6	1.7
0.4	33	34.8	1.5
0.5	36	37.9	1.5



Sample 3 (56 Blows; Surcharge: 10.016 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 388.9 Wt. Soil+Tare, gms. 345.4 Wt. Tare, gms. 6.80

Moisture, % 12.8

Unit Weight

Wt. Mold+Soil, gms. 11652.3 Wt. Mold, gms. 6991.2 Ht. Soil, in. 4.595

Density, pcf 121.0

Swell Data

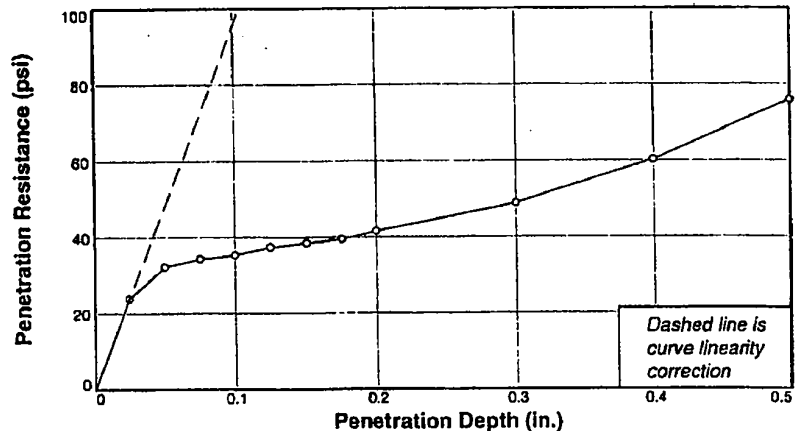
Elapsed Time, hrs.	Dial Reading In. x 1,000	Swell %
0	0	0.0
96	178	3.9

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	524.5	426.5	6.80	23.4
Middle	522.7	464.0	6.80	12.8
Bottom	522.7	464.0	6.80	12.8

Penetration Test Data

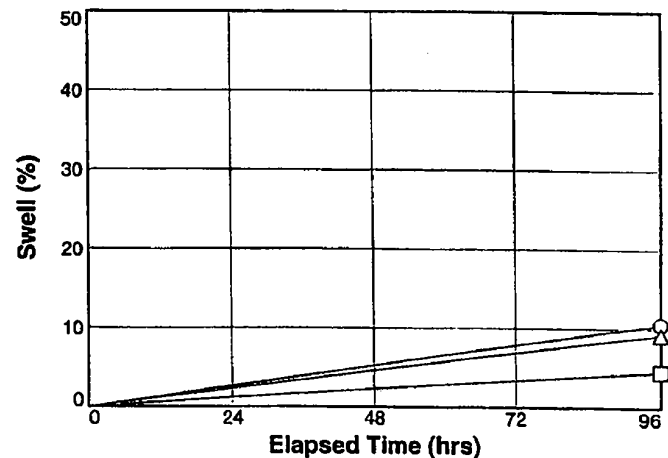
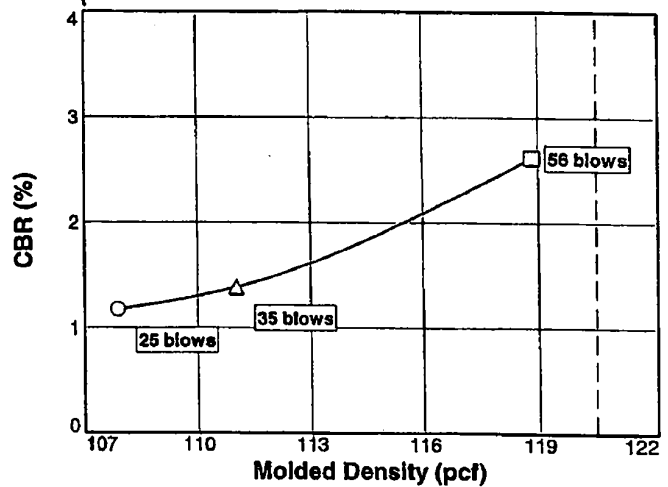
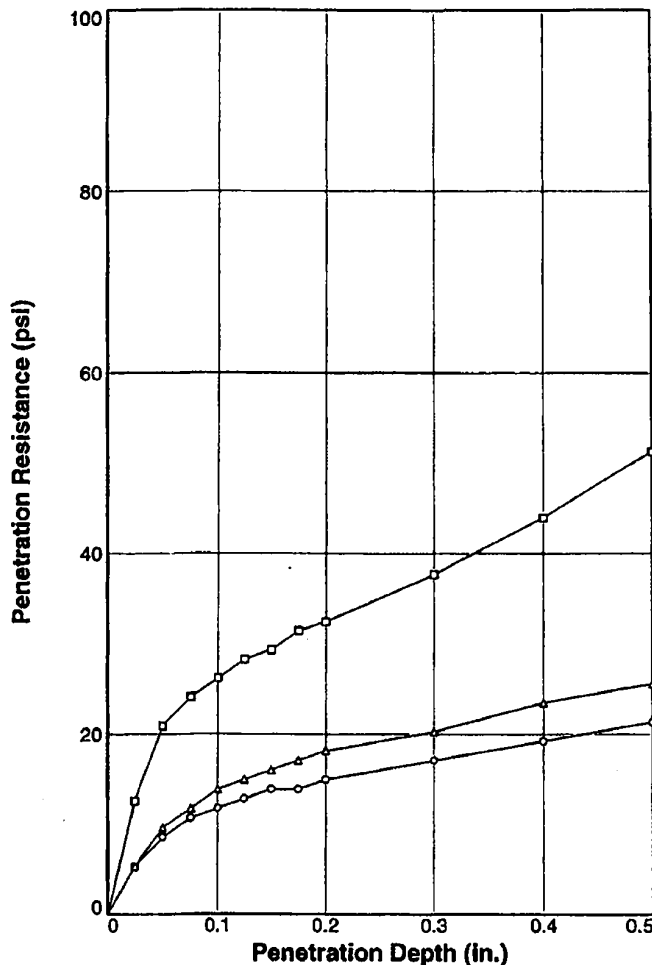
Pen. In.	Dial Reading In. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	23	23.9	
0.05	31	32.2	
0.075	33	34.3	
0.1	34	35.3	3.5
0.125	36	37.4	
0.15	37	38.4	
0.175	38	39.5	
0.2	40	41.5	2.8
0.3	47	48.8	2.6
0.4	58	60.2	2.6
0.5	73	75.8	2.9



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99 05 4/4/08 LBS



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	108.0	89.6	13.1	97.5	81	24.0	1.2	1.0	0.000	10.00	10.5
2 △	111.0	92.1	12.9	101.5	84.4	21.2	1.4	1.2	0.000	10.01	9.2
3 □	119.0	98.8	12.9	113.5	94.4	15.2	2.6	2.2	0.000	10.02	4.5
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Brown Lean CLAY with sand							CL	120.5	12.5	48	33

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2203

Depth: 8'

Sample Number: 2203,B1

Date: 1/18/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture content is average of top, middle, and bottom.

Figure *NA*

BEARING RATIO TESTING RESULTS

(ASTM D 1883-96) 05
4/11/08 CBJ

Date: 1/18/08
Project No.: 6468071777
Project: Exelon Texas COL (Victoria)
Location: TP-2203
Depth: 8' Sample Number: 2203,B1
Material Description: Pale Brown Lean CLAY with sand
USCS Classification: CL
Liquid Limit: 48 Plasticity Index: 33

Test Description: Prepared in accordance with ASTM D 1557-02
Maximum Dry Density: 120.5 Optimum Moisture Content: 12.5
Testing Remarks: Soaked moisture content is average of top, middle, and bottom.

Sample 1 (25 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 266.2 Wt. Soil+Tare, gms. 236.2 Wt. Tare, gms. 6.90 Moisture, % 13.1

Unit Weight

Wt. Mold+Soil, gms. 11146.6 Wt. Mold, gms. 6992.0 Ht. Soil, in. 4.588 Density, pcf 108.0

Swell Data

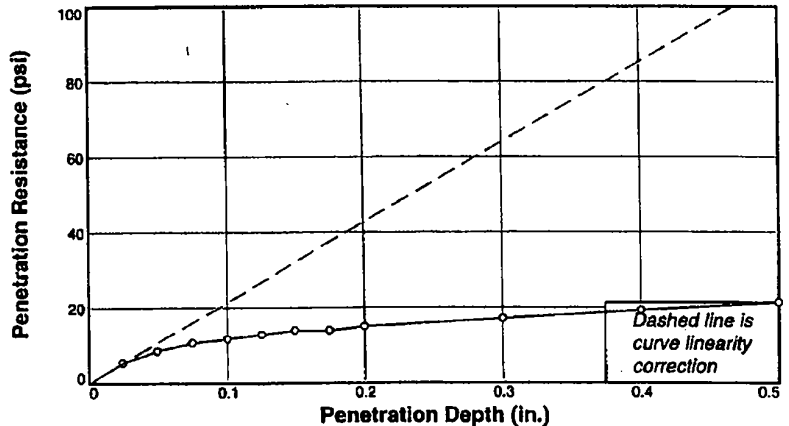
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	481	10.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	652.4	506.7	6.90	29.2
Middle	512.8	423.5	7.00	21.4
Bottom	512.8	423.5	7.00	21.4

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	5	5.3	
0.05	8	8.5	
0.075	10	10.7	
0.1	11	11.7	1.2
0.125	12	12.8	
0.15	13	13.8	
0.175	13	13.8	
0.2	14	14.9	1.0
0.3	16	17.0	0.9
0.4	18	19.2	0.8
0.5	20	21.3	0.8



MACTEC, Inc.

Sample 2 (35 Blows; Surcharge: 10.01 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 257.4 Wt. Soil+Tare, gms. 228.8 Wt. Tare, gms. 6.80

Moisture, % 12.9

Unit Weight

Wt. Mold+Soil, gms. 11293.7 Wt. Mold, gms. 7024.7 Ht. Soil, in. 4.589

Density, pcf 111.0

Swell Data

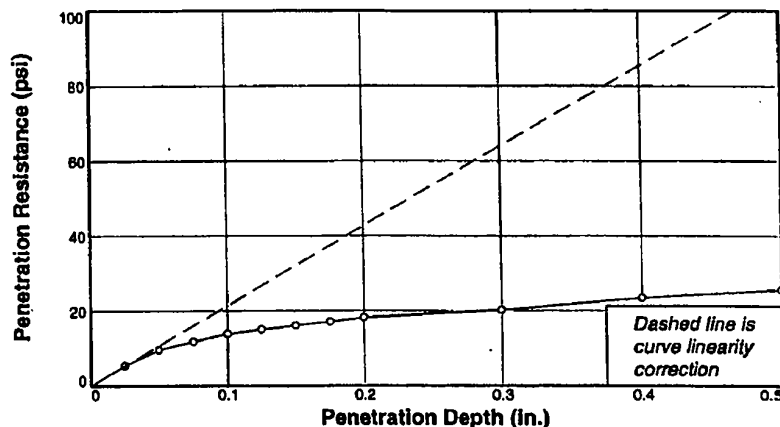
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	422	9.2

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	570.5	450.0	6.80	27.2
Middle	576.4	488.9	6.80	18.1
Bottom	576.4	488.9	6.80	18.1

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	5	5.3	
0.05	9	9.6	
0.075	11	11.7	
0.1	13	13.8	1.4
0.125	14	14.9	
0.15	15	16.0	
0.175	16	17.0	
0.2	17	18.1	1.2
0.3	19	20.2	1.1
0.4	22	23.4	1.0
0.5	24	25.6	1.0



Sample 3 (56 Blows; Surcharge: 10.02 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 269.3 Wt. Soil+Tare, gms. 239.3 Wt. Tare, gms. 6.70

Moisture, % 12.9

Unit Weight

Wt. Mold+Soil, gms. 11601.1 Wt. Mold, gms. 7027.0 Ht. Soil, in. 4.593

Density, pcf 119.0

Swell Data

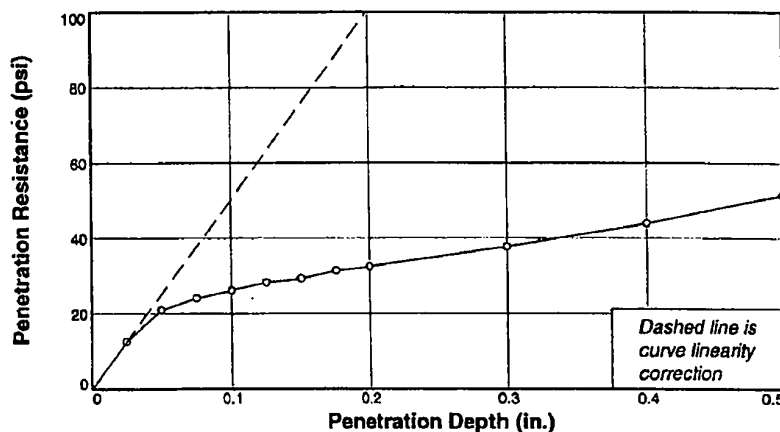
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	208	4.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	511.5	428.6	6.70	19.6
Middle	732.4	649.0	6.80	13.0
Bottom	732.4	649.0	6.80	13.0

Penetration Test Data

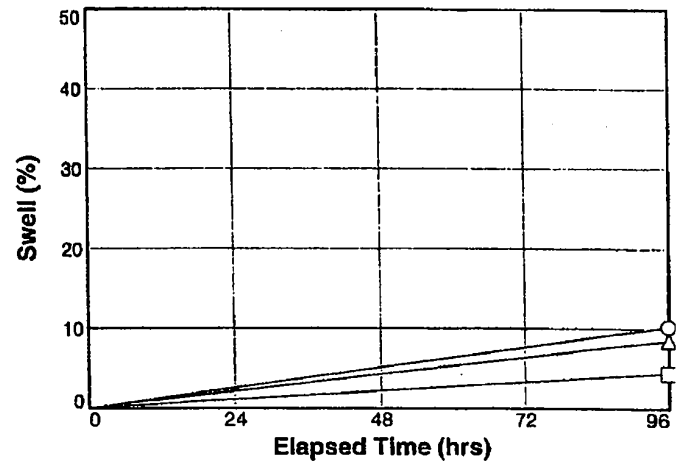
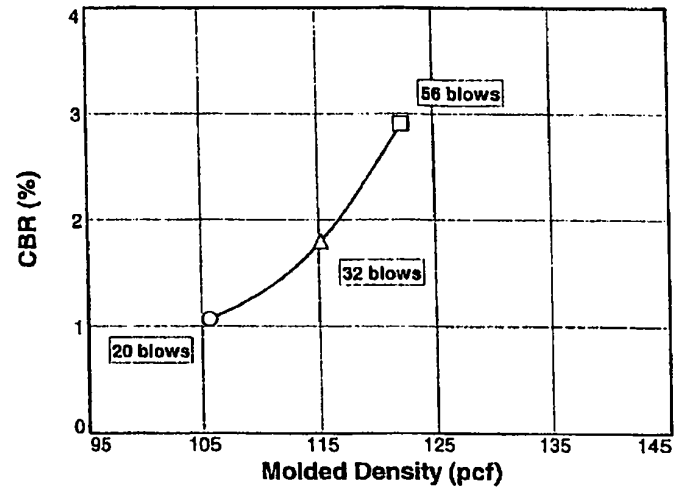
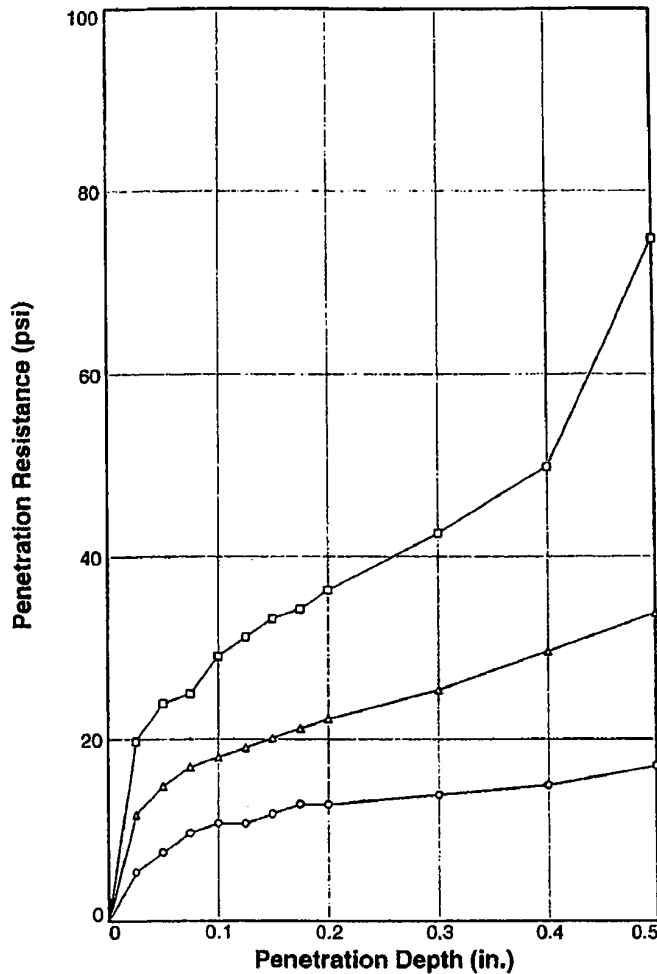
Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	12	12.6	
0.05	20	20.9	
0.075	23	24.1	
0.1	25	26.2	2.6
0.125	27	28.3	
0.15	28	29.3	
0.175	30	31.4	
0.2	31	32.4	2.2
0.3	36	37.7	2.0
0.4	42	44.0	1.9
0.5	49	51.3	2.0



MACTEC, Inc.

BEARING RATIO TEST REPORT

ASTM D 1883-99 05 4/10/08 LAJ



	Molded			Soaked			CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Density (pcf)	Percent of Max. Dens.	Moisture (%)	Density (pcf)	Percent of Max. Dens.	Moisture (%)	0.10 in.	0.20 in.			
1 ○	105.5	84.4	11.2	96.0	76.7	26.5	1.1	0.9	0.000	10.01	10.2
2 △	115.0	92	11.4	106.0	84.9	21.2	1.8	1.5	0.000	10.00	8.5
3 □	122.0	97.6	11.5	117.0	93.7	15.3	2.9	2.4	0.000	10.00	4.4
Material Description							USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Pale Brown Lean CLAY with sand							CL	125.0	11.5	43	29

Project No: 6468071777

Project: Exelon Texas COL (Victoria)

Source of Sample: TP-2204

Depth: 5-10'

Sample Number: 2204,B1

Date: 1/17/08

BEARING RATIO TEST REPORT

MACTEC, Inc.

Test Description/Remarks:

Prepared in accordance with ASTM D 1557-02

Soaked moisture is average of top, middle, and bottom.

Figure NA

BEARING RATIO TESTING RESULTS

(ASTM D 1883-95) 05 4/10/08 LB

Date: 1/17/08
 Project No.: 6468071777
 Project: Exelon Texas COL (Victoria)
 Location: TP-2204
 Depth: 5-10' Sample Number: 2204,B1
 Material Description: Pale Brown Lean CLAY with sand
 USCS Classification: CL
 Liquid Limit: 43 Plasticity Index: 29
 Test Description: Prepared in accordance with ASTM D 1557-02
 Maximum Dry Density: 125.0 Optimum Moisture Content: 11.5
 Testing Remarks: Soaked moisture is average of top, middle, and bottom.

Sample 1 (20 Blows; Surcharge: 10.01 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 432.1 Wt. Soil+Tare, gms. 389.2 Wt. Tare, gms. 6.90

Moisture, % 11.2

Unit Weight

Wt. Mold+Soil, gms. 10999.5 Wt. Mold, gms. 6991.4 Ht. Soil, in. 4.595

Density, pcf 105.5

Swell Data

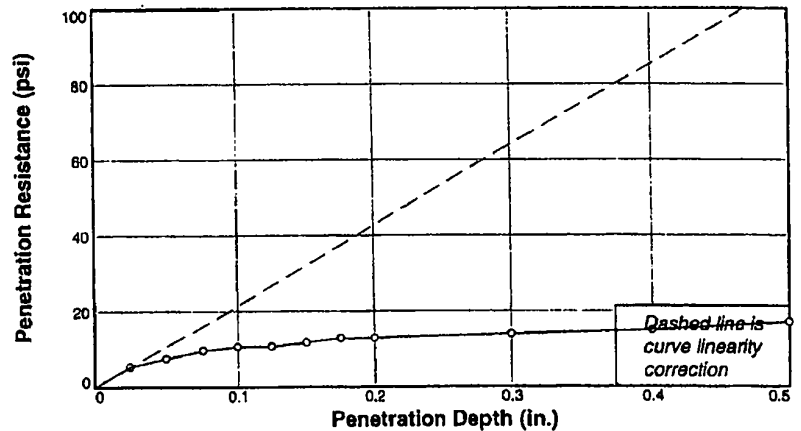
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	468	10.2

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
Top	516.1	397.0	6.90	30.5
Middle	530.5	427.6	6.80	24.5
Bottom	530.5	427.6	6.80	24.5

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	5	5.3	
0.05	7	7.5	
0.075	9	9.6	
0.1	10	10.7	1.1
0.125	10	10.7	
0.15	11	11.7	
0.175	12	12.8	
0.2	12	12.8	0.9
0.3	13	13.8	0.7
0.4	14	14.9	0.6
0.5	16	17.0	0.7



MACTEC, Inc.

Sample 2 (32 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 374.6 Wt. Soil+Tare, gms. 337.0 Wt. Tare, gms. 6.70

Moisture % 11.0

Unit Weight

Wt. Mold+Soil, gms. 11540.5 Wt. Mold, gms. 7147.8 Ht. Soil, in. 4.613

Density, pcf 115.0

Swell Data

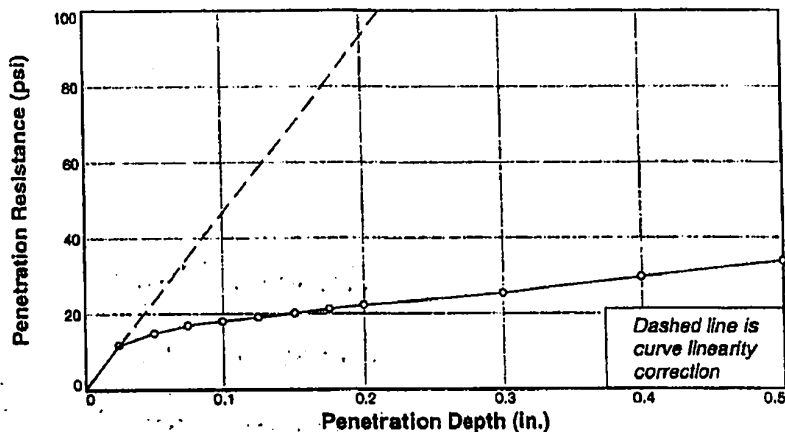
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	392	8.5

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture %
Top	549.0	441.0	6.70	24.0
Middle	559.8	470.2	6.80	19.3
Bottom	559.8	470.2	6.80	19.3

Penetration Test Data

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	11	11.6	
0.05	14	14.8	
0.075	16	16.9	
0.125	18	19.0	
0.15	19	20.1	
0.175	20	21.1	
0.3	24	25.4	1.3
0.4	28	29.6	1.3
0.5	32	33.8	1.3



Sample 3 (56 Blows; Surcharge: 10.00 lbs.)

Water Content

Wt. Wet Soil+Tare, gms. 386.9 Wt. Soil+Tare, gms. 347.8 Wt. Tare, gms. 6.80

Moisture % 11.5

Unit Weight

Wt. Mold+Soil, gms. 11697.3 Wt. Mold, gms. 7054.7 Ht. Soil, in. 4.591

Density, pcf 122.0

Swell Data

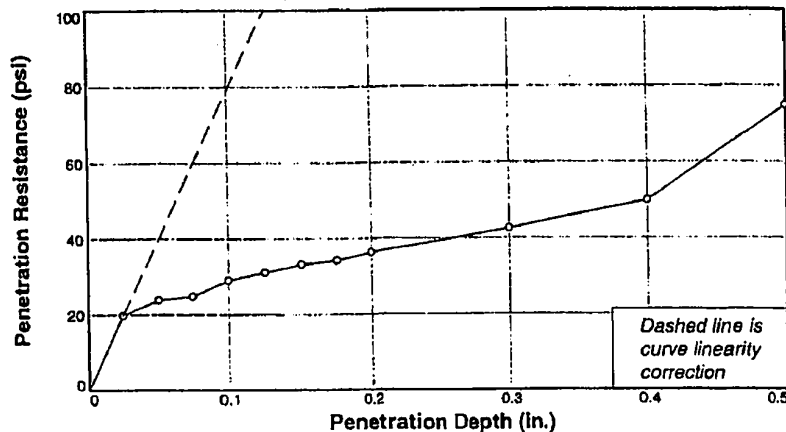
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	200	4.4

Final Water Content

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture %
Top	523.9	427.4	6.80	22.0
Middle	574.2	515.9	6.80	11.5
Bottom	574.2	515.9	6.8	11.5

Penetration Test Data

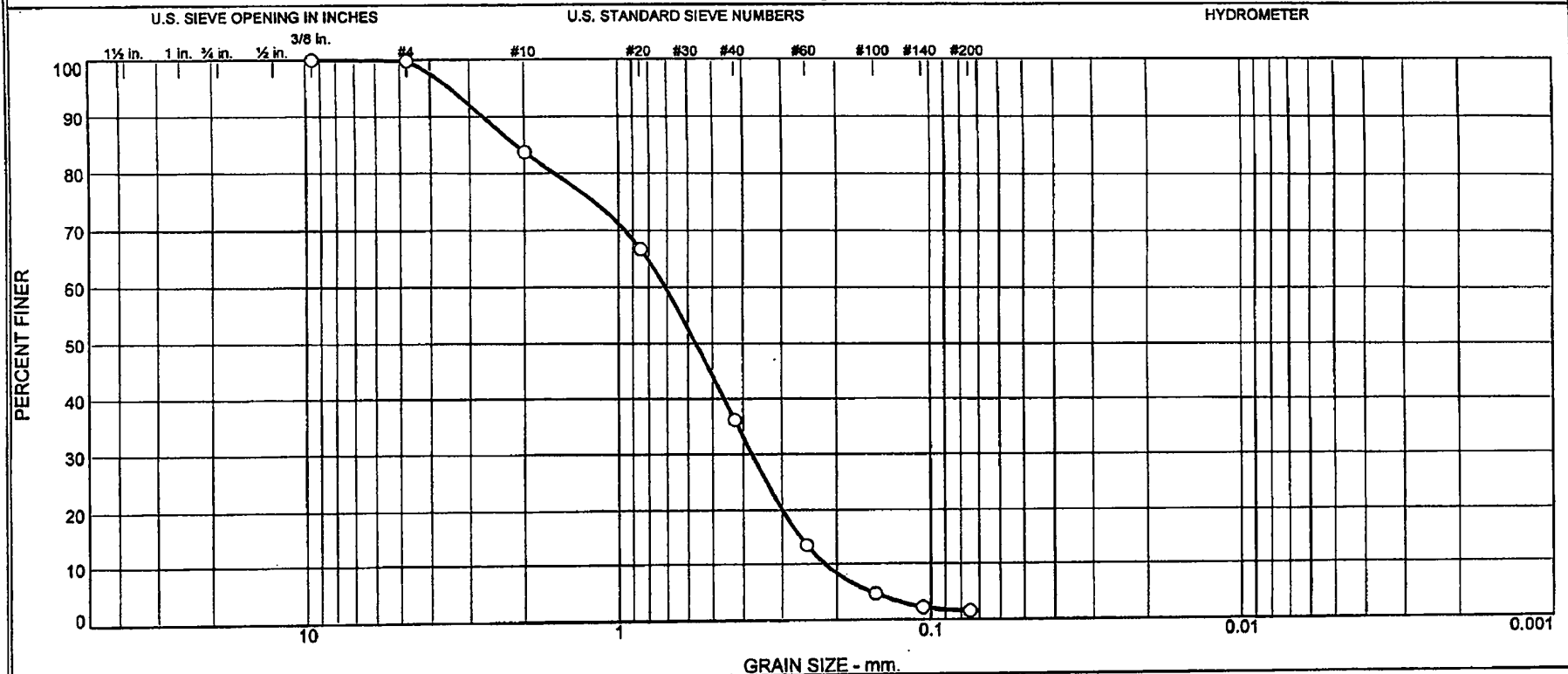
Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	19	19.7	
0.05	23	23.9	
0.075	24	24.9	
0.125	30	31.2	
0.15	32	33.2	
0.175	33	34.3	
0.3	41	42.6	2.2
0.4	48	49.9	2.2
0.5	72	74.8	2.9



MACTEC, Inc.

Index Testing for Borrow Soils

Particle Size Distribution Report / ASTM D 6913-04e1



% Gravel		% Sand			% Fines	
Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	16	48	35	1	

Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
FORDYCE	C-33	NA	4/28/08	SP	Brown Poorly Graded SAND (Concrete Sand)	4.2	NV	NP

Client Bechtel		MACTEC, Inc.	Raleigh, North Carolina	○ SIEVE ANALYSIS ONLY ND = Not Determined Apparent Specific Gravity = 2.658 (ASTM C128-07) Bulk Specific Gravity = 2.607
Project Exelon Texas COL (Victoria)				
Project No. 6468071777	Figure NA			

KAW 6/13/08

 Tested By: CS Checked By: LBJ

GRAIN SIZE DISTRIBUTION TEST DATA

5/19/2008

Client: Bechtel

Project: Exelon Texas COL (Victoria)

Project Number: 6468071777

Location: Fordyce Murphy Pit

Depth: NA

Sample Number: C-33

Material Description: Brown Poorly Graded SAND (Concrete Sand)

Date: 4/28/08

Natural Moisture: 4.2

Liquid Limit: NV

Plastic Limit: NP

USCS Class.: SP

Testing Remarks: SIEVE ANALYSIS ONLY

ND = Not Determined

Apparent Specific Gravity = 2.658 (ASTM C128-07)

Bulk Specific Gravity = 2.607

Tested by: CS

Checked by: LBJ

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Cumulative Pan Tare Weight (grams)	Sieve Opening Size	Cumulative Weight Retained (grams)	Percent Finer
696.31	0.00	0.00	3/8"	0.00	100
			#4	1.12	100
			#10	113.67	84
102.03	0.00	0.00	#20	20.74	67
			#40	57.94	36
			#60	85.52	14
			#100	96.46	5
			#140	99.40	2
			#200	100.23	1

Fractional Compositions

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0	0	0	0	16	48	35	99			1

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
0.2181	0.2618	0.2995	0.3746	0.5645	0.7081	1.6058	2.1436	2.7188	3.4560

Fineness Modulus	C _u	C _c
2.61	3.25	0.91

MACTEC, Inc.

MACTEC ENGINEERING CONSULTING, INC.

RALEIGH, NORTH CAROLINA

REPORT OF STANDARD TEST METHOD FOR SPECIFIC GRAVITY AND ABSORPTION OF FINE AGGREGATE

Performed in General Accordance with ASTM C 128-07

PROJECT NAME: Exelon Texas COL (Victoria)

MACTEC PROJECT NUMBER: 6468-07-1777

DATE: 5-16-08

SAMPLE IDENTIFICATION:	Fordyce Murphy Pit C-33
------------------------	-------------------------

(A) WEIGHT OF OVEN-DRY TEST SAMPLE IN AIR (grams):	497.1
(S) WEIGHT OF SATURATED-SURFACE-DRY TEST SAMPLE IN AIR (grams):	500.8
(B) WEIGHT OF FLASK & WATER FILLED TO CALIBRATION MARK (grams):	656.5
(C) WEIGHT OF FLASK, SOIL & WATER FILLED TO CALIBRATION MARK (grams):	966.6
BULK SPECIFIC GRAVITY:	2.607
BULK SPECIFIC GRAVITY (SATURATED-SURFACE-DRY BASIS):	2.626
APPARENT SPECIFIC GRAVITY:	2.658
PERCENTAGE OF ABSORPTION:	0.73

CALCULATIONS:

BULK: $A / (B+S-C)$

BULK (SSD BASIS): $S / (B+S-C)$

APPARENT: $A / (B+A-C)$

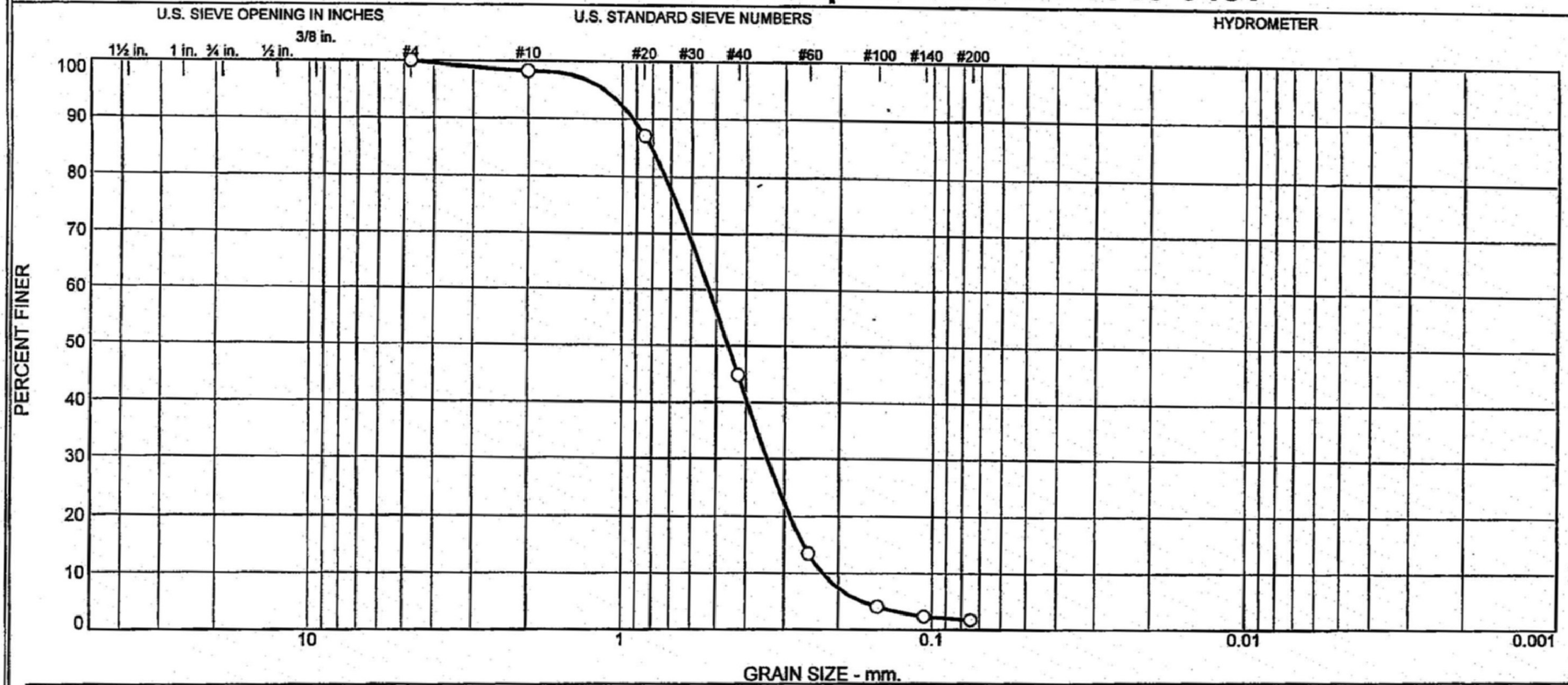
ABSORPTION (%): $[(S-A) / A] \times 100$

REMARKS:

REVIEWED BY: 

KAW 6/13/08

Particle Size Distribution Report / ASTM D 6913-04e1



% Gravel		% Sand			% Fines	
Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	0	2	53	43	2	

Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
FORDYCE	C-144	NA	4/28/08	SP	Brown Poorly Graded SAND (Mortar sand)	5.1	ND	ND

Client Bechtel

Project Exelon Texas COL (Victoria)

Project No. 6468071777

Figure NA

MACTEC, Inc.

Raleigh, North Carolina

○ SIEVE ANALYSIS ONLY

ND = NOT DETERMINED

Apparent Specific Gravity = 2.661 (ASTM C128-07)

Bulk Specific Gravity = 2.611

KAW 6/13/08

Tested By: CS

Checked By: LBJ