

DATA REPORT Rev. 1
GEOTECHNICAL EXPLORATION AND TESTING

| Rev. 1

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA NUCLEAR POWER STATION
MINERAL, LOUISA COUNTY, VIRGINIA

| Rev. 1

September 28, 2007

| Rev. 1

VOLUME 4 - APPENDIX F

Prepared For:

Virginia Electric and Power Company
Richmond, Virginia

| Rev. 1

Prepared By:

MACTEC Engineering and Consulting, Inc.
Raleigh, North Carolina

MACTEC Project No. 6468-06-1472

GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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Date Revised 11/22/2006 Job Name North Anna COL Job No. 25161 Requested By John Davie

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1-22-07

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Boring No.	Sample Type (Tube Sample Length)	Top of Sample/Core Run Depth, Ft	Sample/Run Number	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 (psi)	Direct Shear	TSRC (Assume $K_0 = 0.5$)	Unconfined Compression (rock)	Unconfined Compression (rock) w/stress-strain measurements	Standard (A, B, C, D)	Modified (A, B, C, D)	CBR (ASTM D 1883)	Note: Use the loading sequence (in ksf): 0.5, 1, 2, 4, 8, 4, 2, 4, 8, 16, 32, 64, 16, 4, 1.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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* TEST RESULTS TO BE SUBMITTED IN A SUPPLEMENTAL REPORT. DSC
1-22-07

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

(1) For rock core testing, MACTEC will select suitable (and typical) section of the core run for testing, and note actual depth tested.

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John Davie

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GEOTECHNICAL LABORATORY TEST ASSIGNMENT

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SAMPLE LOCATION				PHYSICAL PROPERTIES										STRENGTH TESTS										COM-PACTION			CONSOLIDATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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John Davie

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Date	Revised 11/22/2006	Job Name	North Anna COL	Job No.	25161	Requested By	John Davie
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