

SUPPLEMENTAL AGREEMENT
BETWEEN
VIRGINIA POLYTECHNIC INSTITUTE AND
STATE UNIVERSITY
AND
THE U.S. NUCLEAR REGULATORY COMMISSION

THIS SUPPLEMENTAL AGREEMENT, effective the 16th day of May 1980, by and between the UNITED STATES OF AMERICA (hereinafter referred to as the "Government"), as represented by the UNITED STATES NUCLEAR REGULATORY COMMISSION (hereinafter referred to as the "Commission"), and VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-75-237 as hereinafter provided, and this supplemental agreement is authorized by law, including the Energy Reorganization Act of 1974, as amended, and the Atomic Energy Act of 1954, as amended.

NOW, THEREFORE, said contract is hereby modified as follows:

1. Appendix A, attached to this supplemental agreement and made a part hereof, provides for the research to be performed by the Contractor during the contract period specified therein.
2. In Article II - The period of Performance, the date "May 15, 1981," is substituted for the date "May 15, 1980."
3. In Article III - Consideration, the sum "\$495,061.97" is substituted for the sum "\$275,061.97."

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

BY: [Signature]
Kellogg V. Morton, Chief
Research Contracts Branch
Division of Contracts
U. S. Nuclear Regulatory Commission

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

BY: [Signature]
A. H. Krebs, Vice President
for Administration
(title)

I, Margie W. Thomas, certify that I am the
(attester)

Clerk to the Board of Visitors of the Contractor named under this
(title)

document; that A. H. Krebs who signed this
(signatory)

document on behalf of said Contractor was then Vice President for Administration

of said Contractor; that this document was duly signed for and on behalf of

said Contractor by authority of its governing body and is within the scope

of its legal powers.

IN WITNESS WHEREOF, I have hereunto affixed my hand and the seal of said

Contractor.

Virginia Polytechnic Institute and State University

Margie W. Thomas

(SEAL)

APPENDIX A

Contractor: Virginia Polytechnic Institute and State University

For the contract period, May 16, 1980 through May 15, 1981:

Article A-I, RESEARCH TO BE PERFORMED BY THE CONTRACTOR

(a) The unclassified scope of work under this contract entitled, "Study of the Pattern and Ages of Post-Metamorphic Faults in the Northern Piedmont of Virginia and North Carolina" is as follows:

SCOPE OF PROPOSED THREE-YEAR TECHNICAL PROGRAM

1. Continue developing a three-dimensional geologic framework of part of the Central Virginia Seismic Zone in terms of:

- a. Faults
- b. Surfaces of appreciable rigidity contrast.

2. Continue completion of a regional study of the tectonic framework of Triassic basins in Virginia and the relation of this framework to historical seismicity.

3. Continue compilation and analysis of:

- a. Structures
- b. Crustal heterogeneity in elastic properties for Virginia and adjacent areas in North Carolina.

(b) The Principal Investigator(s) expects to devote the following approximate amount(s) of time to the contract work:

Lynn Glover, III, Eleven percent.(11%) of his time during academic year.

John K. Costain, Eleven percent (11%) of his time during academic year.

Article A-II, WAYS AND MEANS OF PERFORMANCE

(a) Items for which support will be provided as indicated in A-III, below:

- 1. Salaries and Wages \$87,922.00
- 2. Equipment to be purchased or fabricated by the Contractor \$ 6,000.00

Over \$1,000.

HB-IB Character Impact Printer, with interface, I/O expander, enclosure, for Orogenic Studies Laboratory 6" solid source mass spectrometer (\$6,000.00)

3. Travel:

(i) Domestic	\$39,500.00
(ii) Foreign	\$ -0-

4. Other direct costs including fringe benefits

5. Indirect costs based on a predetermined rate of fifty-three percent (53%) applicable to salaries and wages.

(b) Items, if any, significant to the performance of this contract, but excluded from computation of Support Cost and from consideration in proportioning costs: TO BE CONTRIBUTED BY THE CONTRACTOR

IBM 370 Computer Time	\$ 2,000.00
Extra new indirect cost to be cost shared by VPI & SU	\$14,945.00
TOTAL	\$16,945.00

(c) Time or effort of Principal Investigators including indirect costs and fringe benefits contributed by Contractor, but excluded from computation of Support Cost and from consideration in proportioning costs:

Lynn Glover, III, Eleven percent (11%) of his time during the academic year.

John K. Costain, Eleven percent (11%) of his time during the academic year.

Article A-III SUPPORT COST

The total estimated cost of items under A-II(a) above for the contract period stated in this Appendix A is \$220,000.00, the Commission will pay one-hundred percent (100%) of the actual costs of these items incurred during the contract period stated in this Appendix A, subject to the provisions of Article III and Article B-XXVIII. The estimated NRC Support Cost for the contract period stated in this Appendix A is \$220,000.00.

The estimated NRC Support Cost is funded as follows:

(a) Estimated unexpended balance from prior periods	\$ -0-
(b) New funds for the current period	\$220,000.00
(c) The new funds being added in A-III(b) constitute the basis for advance payments provided under Article B-X.	