

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

THIS SUPPLEMENTAL AGREEMENT, effective the 1st day of July , 1982, 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 (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-77-134 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 "June 30, 1983" is substituted for the date "June 30, 1982".
3. In Article III - Consideration, the sum "\$ 516,696.00" is substituted for the sum "\$406,696.00".

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

BY: Raymond P. Gustave
Raymond P. Gustave
Contracting Officer
(title)

Nuclear Regulatory Commission

VIRGINIA POLYTECHNIC INSTITUTE

BY: Minnis E. Ridenour
Minnis E. Ridenour
Vice President for Finance
(title)

I, Margie W. Thomas certify that I am the
(attester)
Clerk to the Board of Visitors of the Contractor named
(title)
under this document; that Minnis E. Ridenour
(signatory)

who signed this document on behalf of said Contractor was then
Vice President for Finance 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.

Margie W. Thomas

{SEAL}

CONTRACTOR: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

APPENDIX A

For the Contract period July 1, 1982 through June 30, 1983

Article A-I RESEARCH TO BE PERFORMED BY CONTRACTOR

(a) The unclassified scope of work under this contract entitled "Central Virginia Regional Seismic Network" is as follows:

The Contractor will:

1. Monitor seismic activity. Determine hypocenters and focal mechanisms, insofar as possible, for recorded seismic events.
2. Integrate seismic and geologic results to develop, insofar as possible, a complete geologic understanding of the seismic regime.
3. Publish a quarterly bulletin listing location, depth, magnitude of any regional event (Southeast U.S.).
4. Notify the NRC of any interesting regional earthquake as quickly as practical.

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

Professor G. A. Bollinger: 15% of his time for 12 months

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 | \$ <u>40,404.00</u> |
| (2) Equipment to be purchased or fabricated by the Contractor | \$ <u>-0-</u> |

(3) Travel

(i) Domestic	\$ 2,000.00
(ii) Foreign	\$ -0-

(4) Other direct costs including fringe benefits.

(5) Indirect costs based on a predetermined rate of 27 percent applicable to salaries and wages, fringe benefits, materials and supplies, services, travel, subgrants and subcontracts up to \$25,000.00 each and computer charges.

(b) Items, if any, significant to the performance of this contract, but excluded from computation of Support Cost and from consideration in proportioning costs: None

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

Professor G. A. Bollinger: 15% of his time for 12 months

Article A-III

The total estimated cost of items under A-II(a) above for the contract period stated in this Appendix A is \$110,000.00 the Commission will pay 100 percent 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 \$110,000.00.

The estimated NRC Support Cost is funded as follows:

(a) Estimated unexpended balance from prior period(s)	\$ -0-
(b) New funds for the current period	\$ 110,000.00

(c) The new funds being added in A-III(b) constitute the basis for advance payments provided under Article B-X.