

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

THIS SUPPLEMENTAL AGREEMENT, effective the 1st day of July , 1983 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, 1984" is substituted for the date "June 30, 1983".
3. In Article III - Consideration, the sum "\$692,696.00 " is substituted for the sum "\$526,696.00".
4. In Article IV - Government Property, the following items of property procured or fabricated by the contractor are hereby listed as "Government Property":
  - 1 PDP/1134-A CPU to include:
    - 256KB MOS memory
    - DL11-W console interface
  - 1 FP11-A floating point processor
  - 1 H960 cabinet
  - 3 CDC 9762 disc drives
  - 1 controller (to 9762's)
  - 1 DZ11-A 8 line asynchronous multiplexer
  - 1 Expansion box
  - 3 80 megabyte disk packs
  - 1 2648A graphics terminal

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

BY:

Raymond P. Gustave 8/31/83  
Raymond P. Gustave  
Contracting Officer  
(title)

Nuclear Regulatory Commission

BY:

Alan Walter Steiss  
Alan Walter Steiss  
Director of Sponsored Programs  
(title)

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

Secretary to the Board of the Contractor named  
(title)

under this document; that Alan Walter Steiss  
(signatory)

who signed this document on behalf of said Contractor was then

Director of Sponsored Programs 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.

(SEAL)

Margie H. Thomas

CONTRACTOR: VIRGINIA POLYTECHNIC INSTITUTE

APPENDIX A

For the Contract period July 1, 1983 through June 30, 1984

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:

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  | \$ 58,321.00 |
| (2) Equipment to be purchased or fabricated by the Contractor | \$ 26,471.62 |

Over \$1,000.00

1 PDP/1134-A CPU to include:	
256KB MOS memory	
DL11-W console interface	
1 FP11-A floating point processor	
1 H960 cabinet	
3 CDC 9762 disc drives	
1 controller (to 9762's)	
LD TOTAL	\$15,500.00
1 Expansion box	\$ 1,234.00
1 DZ11-A 8 line asynchronous multiplexer	\$ 1,473.00
3 80 megabyte disk packs	\$ 1,045.50
1 2648A graphics terminal	\$ 5,619.12

Under \$1,000.00

1 LA36 console terminal (used)	\$ 600.00
1 9 slot backplane	\$ 667.00
1 4 slot backplane	\$ 333.00

(3) Travel	
(i) Domestic	\$ 2,600.00
(ii) Foreign	\$ -0-

(4) Other direct costs including fringe benefits

(5) Indirect costs based on a predetermined rate of 27% percent applicable to Modified Total Direct Cost (includes salaries, wages, fringe benefits, materials and supplies, services, travel, subgrants, subcontracts over \$25,000, and computer charges)

