

SUPPLEMENTAL AGREEMENT
BETWEEN
• GEORGIA INSTITUTE OF TECHNOLOGY
AND
THE U. S. NUCLEAR REGULATORY COMMISSION

THIS SUPPLEMENTAL AGREEMENT, effective the 1st day of May, 1979, 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 GEORGIA INSTITUTE OF TECHNOLOGY (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-77-210 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 "April 30, 1980" is substituted for the date "April 30, 1979".
3. In Article III - Consideration, the sum "\$174,327.00" is substituted for the sum "\$140,433.00".

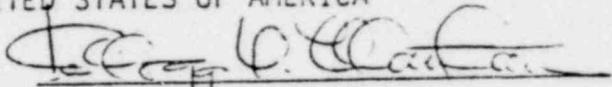
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IN WITNESS WHEREOF, the parties have executed this document.

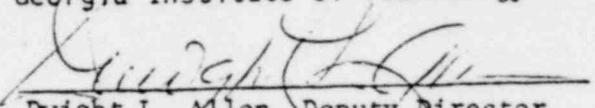
UNITED STATES OF AMERICA

BY:


Kellogg V. Morton, Chief
Research Contracts Branch
(title)

Nuclear Regulatory Commission
Georgia Institute of Technology

BY:


Dwight L. Allen, Deputy Director
Office of Contract Administration
(title)

I, Frank H. Huff, certify that I am the
(attester)

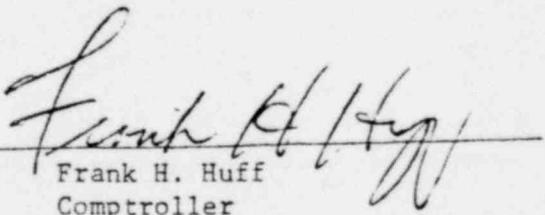
Comptroller of the Contractor named
(title)

under this document; that Dwight L. Allen
(signatory)

who signed this document on behalf of said Contractor was then
Deputy Director, Contract 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.

(SEAL)


Frank H. Huff
Comptroller
Georgia Institute of Technology

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CONTRACTOR: GEORGIA INSTITUTE OF TECHNOLOGY

APPENDIX A

For the Contract period May 1, 1979 through April 30, 1980

Article A-I RESEARCH TO BE PERFORMED BY CONTRACTOR

- (a) The unclassified scope of work under this contract entitled, "A Geophysical Investigation of the Seismicity of the Clark Hill Reservoir Vicinity," is as follows:

To determine the relation between geology and seismicity and to determine the tectonic environment that is responsible for earthquakes in the Clark Hill Reservoir vicinity by continuing to monitor seismic activity rates versus water level in the Clark Hill Reservoir Area and to locate seismic events. During periods of increased activity, portable instruments will be used to compute locations, focal mechanisms and spectral signature. Stations CH5 and CH6 will be maintained in continuous operation. Three RF stations will be operated in the area of the earthquake of August 2, 1974 (Mag 4.3) to provide locations and origin times for the continuing aftershocks. Data from these stations will be coordinated with proposed U.S. Corps of Engineers net in the Richard B. Russell reservoir area. One station will be maintained (ETG) to monitor the activity near Lake Sinclair in conjunction with continued operation of the Wallace Dam net WDG (expanded to 3-component) GBG, REG and one new station to improve location of events in the Lake Sinclair area. A suite of four portable smoked paper recording seismographs and three high-frequency tape recording seismographs will be used intermittently in areas of special interest. Areas of special interest will be surveyed using the direct current electrical resistivity sounding to typical depths of the earthquakes (0.5 to 1.0 km) to determine penetration by groundwater. Areas in the yet unfilled Richard B. Russell Reservoir area (directly north of CHRA) will be similarly surveyed.

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

L. T. Long: 100% of his time for 1 summer month and 15%
of his time for 9 academic 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	\$ 14,300.00
(2) Equipment to be purchased or fabricated by the Contractor	-0-

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(3) Travel
 (i) Domestic \$ 1,900.00
 (ii) Foreign \$ -0-

(4) Other direct costs including benefits

(5) Indirect costs based on a predetermined rate of 76 percent applicable to salaries, wages and benefits.

(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 Contractor.

Solar panel, portable video terminal and
signal enhancement/averaging seismograph

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

L.T. Long: 15% of his time for 9 academic 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 \$33,894.00; 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 \$33,894.00.

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 \$ 33,894.00

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

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