

SUPPLEMENTAL AGREEMENT
BETWEEN
THE UNIVERSITY OF OKLAHOMA
AND
THE U. S. NUCLEAR REGULATORY COMMISSION

THIS SUPPLEMENTAL AGREEMENT, effective the 1st day of January, 1981, 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
THE UNIVERSITY OF OKLAHOMA
(hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-76-314 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 "December 31, 1981" is substituted for the date "December 31, 1980".
3. In Article III - Consideration, the sum "\$433,293.00" is substituted for the sum "\$ 375,019.00".

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

BY: 

Kellogg V. Morton, Chief
Research Contracts Branch
Division of Contracts
U. S. Nuclear Regulatory Commission

THE UNIVERSITY OF OKLAHOMA

BY: 

Charles W. Goff
Director, Grants and Contracts Administration
(title)

I, Barbara H. James, certify that I am the
(attester)

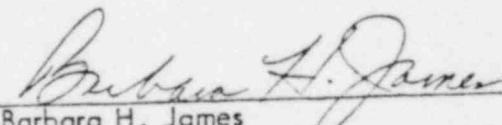
Secretary of the Contractor named under this
(title)

document; that Charles W. Goff who signed this
(signatory)

document on behalf of said Contractor was then Director, Grants & Contracts Admin.

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.


Barbara H. James

(SEAL)

CONTRACTOR: THE UNIVERSITY OF OKLAHOMA

APPENDIX A

For the Contract period January 1, 1981 through December 31, 1981

Article A-I RESEARCH TO BE PERFORMED BY CONTRACTOR

- (a) The scope of work under this contract is unclassified and shall be in accordance with Contractor's proposal entitled, "Seismological and Geological Studies of the Nemaha Uplift Region - Oklahoma"

Continue to conduct detailed microearthquake studies.

Continue to operate the eleven station seismic network which includes the Tulsa observatory, seven semipermanent volunteer-operated and three radio-telemetry stations.

Reduce microearthquake data obtained from the network and attempt to determine the relationship between seismicity and structure.

Coordination results with those obtained from earthquake studies in Kansas, Nebraska and Iowa.

Complete gravity and magnetic information from studies conducted along the Nemaha in Oklahoma.

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

Dr. Kenneth Luza: 20% 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	\$ 38,436.00
(2) Equipment to be purchased or fabricated by the Contractor	\$ - 0 -

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- (3) Travel
- (i) Domestic \$ 3,500.00
 - (ii) Foreign \$ - 0. -
- (4) Other direct costs including fringe benefits
- (5) Indirect costs based on a predetermined rate of 39 percent applicable to modified total direct costs less capital equipment expenditures, stipends and tuition, alterations and renovations, subgrants and sub-contracts in excess of \$25,000.00
- (b) Items, if any, significant to the performance of this contract, but excluded from computation of Support Cost and from consideration in proportioning costs:
- Geophysicist: 27.8% of his time for 12 months
 - Geologist: 5% of his time for 12 months
- (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:
- Principal Investigator, Kenneth Luza: 10% 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 \$ 77,459.00 ; the Commission will pay 75.2 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 \$58,274.00 .

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 \$ 58,274.00
- (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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