

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

THIS SUPPLEMENTAL AGREEMENT, effective the 18th 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 HARVARD UNIVERSITY (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-78-265 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, replaces in its entirety the Appendix A attached to the prior initial contract, NRC-04-78-265.
2. In Article III - Consideration, the sum "\$66,494.00" is substituted for the sum "\$64,044.00."

7907180333

364 013

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

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

Nuclear Regulatory Commission

HARVARD UNIVERSITY

BY: *Mary Marguebreuck*
Mary Marguebreuck, Director
Office for Research Contracts
(title)

I, _____, certify that I am the
(attester)

_____ of the Contractor named
(title)

under this document; that _____
(signatory)

who signed this document on behalf of said Contractor was then
_____ 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) - -

POOR ORIGINAL

CONTRACTOR: HARVARD UNIVERSITY

APPENDIX A

For the Contract period August 1, 1978 through July 31, 1979

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, "The Solubility of Uraninite and the Migration of Fission Products Released from Spent-Fuel Materials," dated June 21, 1978, which is incorporated herein by reference.
- (b) The Principal Investigator expects to devote the following approximate amount(s) of time to the contract work:

H. D. Holland - 10% of his time for one summer month

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 \$ 30,600.00

(2) Equipment to be purchased or fabricated by the Contractor \$ 6,600.00

Equipment Estimated to be in Excess of \$1,000

Multi-Channel Gamma-Ray Spectrometer (TN-1705)

Equipment Estimated to be less than \$1,000

TN 1705-1	Parallel Printer Interface	\$ 450.00
TN 1705-2	Integration with Single Region of Interest	300.00
TN 1008	Battery High Voltage Supply	390.00
TN 1009	Base Assembly for 14-Pin PM Tubes	120.00
TN 1134	Digitec Model 6100 Parallel Printer	795.00
TN 1161	2" x 2" NaI Crystal (with PM Tube)	395.00

(3) Travel
(i) Domestic \$ 1,500.00

(ii) Foreign \$ -0-

(4)- Other direct costs including fringe benefits

(5) Indirect costs based on a predetermined rate of 51 percent applicable to Total Direct Costs excluding Equipment.

- (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 cost:

NONE

Article A-III

The total estimated cost of items under A-II(a) above for the contract period stated in this Appendix A is \$66,494.00; 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 \$66,494.00.

The estimated NRC Support Cost is funded as follows:

- | | |
|---|---------------------|
| (a) Estimated unexpended balance from prior period(s) | \$ <u>-0-</u> |
| (b) New Funds for the current period | \$ <u>66,494.00</u> |
- (c) The new funds being added in A-III(b) constitute the basis for advance payments provided under Article B-X.

364 016