

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 2

1. AMENDMENT/MODIFICATION NO. **9** 2. EFFECTIVE DATE **9/30/82** 3. REQUISITION/PURCHASE REQUEST NO. **RFPA RES-82-013 dtd 8/19/82** 4. PROJECT NO. (If applicable)

5. ISSUED BY **U. S. Nuclear Regulatory Commission
Division of Contracts
Washington, DC 20555** CODE 6. ADMINISTERED BY (If other than block 5) CODE

7. CONTRACTOR NAME AND ADDRESS CODE FACILITY CODE

**ENSA, Inc.
3320 Bailey Avenue
Buffalo, NY 14215**

(Street, city, county, state, and ZIP Code)

**Mailing Address: P.O. Box 51
Getzville, NY 14086**

8. AMENDMENT OF SOLICITATION NO. DATED (See block 9)

MODIFICATION OF CONTRACT/ORDER NO. **NRC-04-82-013**
(Formerly N00173-80-C-0236) DATED **6/30/80** (See block 11)

9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods:

(a) By signing and returning _____ copies of this amendment, (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (If required)

B&R No. 601921 FIN No. B8133 Amount: \$33,000.00

11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.

(b) The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.

(c) This Supplemental Agreement is entered into pursuant to authority of **the mutual agreement of both parties**
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

A. Regarding schedule "Section E - SUPPLIES/SERVICES/PRICES" as amended in Modification 8.

1) Paragraph A is hereby modified to increase the total cost for performance of this contract by \$33,000.00 for a revised total of \$2,520,437.00, of which the sum of \$2,369,625.00 represents the reimbursable costs, and of which \$150,812.00 represents the fixed fee.

2) Paragraph B is modified as follows:

a. Part 2) is modified to read as follows:

Cost	Fee	Total
\$1,069,075.00	+ \$63,925.00	= \$1,133,000.00

**8210210594 B20930
PDR CONTR
NRC-04-82-013 PDR**

Except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

13. CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN **3** COPIES TO ISSUING OFFICE

14. NAME OF CONTRACTOR/OFFEROR BY (Signature of person authorized to sign)

17. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)

15. NAME AND TITLE OF SIGNER (Type or print) 16. DATE SIGNED 18. NAME OF CONTRACTING OFFICER (Type or print) 19. DATE SIGNED

Morton V. Kellogg **9/3/82** **Kellogg V. Morton** **9/7/82**

b. Part 3) is modified to read as follows:

<u>Cost</u>		<u>Fee</u>		<u>Total</u>
\$1,761,945.00	+	\$114,352.00	=	\$1,876,297.00

B. Regarding Modification P00007, SECTION M - LIST OF DOCUMENTS AND ATTACHMENTS; Attachment No. 1 - Statement of Work; Section III. Task Description; Part B. Paragraph 6 is hereby added and made a part hereof.

"6. Postirradiation Testing and Evaluation of Charpy-V and Tension Test Specimens from ORR-PSF Wall Capsules.

- 1) The contractor shall test and analyze the C_v and tension test specimens from each of the wall capsules using remotely operable equipment installed in the NSTF at the State University of New York (SUNY) at Buffalo. The C_v specimens representing a given material/exposure condition would be tested to define: (1) brittle/ductile transition, (2) upper shelf energy level, (3) specimen lateral expansion, and (4) applied load vs fracture time relationship, using Dynatup Instrumentation and a strain gaged tup. Tension test specimens would be tested to establish (1) yield strength, (2) tensile strength, (3) percent elongation, and (4) percent reduction of area properties at ambient temperature. In addition, selected specimens of Code F23 (ASTM reference plate) would be tested at elevated temperature (288°C or less), as mutually agreed upon by ENSA and NRC.

All tested specimens will be shipped to the Hanford Engineering Development Laboratory (HEDL) for further evaluation. The associated shipping costs will be borne separately by NRC.

- 2) The testing schedule is divided into three parts; these parts shall be reported in separate letter reports to be submitted within one week of the completion date for each part. The schedule is contingent upon receipt of materials during the first week of September 1982.

Part 1 C_v testing: Codes F23, 3PU (or 3PT), EC
Completion: 31 December 1982

Part 2 C_v testing: Codes K, MO, R
Completion: 28 February 1983

Part 3 Tensile testing: Codes F23, 3PU (or 3PT), EC, K, MO, R
Completion: 31 March 1983