

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE RES-97-052 PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. M006 3. EFFECTIVE DATE SEP - 4 2001 4. REQUISITION/PURCHASE REQ. NO. RES-C01-512 5. PROJECT NO. (If applicable)

6. ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Attn: T-7-I-2 Contract Management Branch Washington DC 20555 7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Battelle Memorial Institute Columbus Operations 550 King Avenue Columbus OH 43201-2693 9A. AMENDMENT OF SOLICITATION NO. (X) 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-98-039 10B. DATED (SEE ITEM 13) X 11-29-1997

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. 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 completing Items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment of 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 ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS 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 each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) B&R No.: 16015110105; Job Code: W6854; BOC: 252A; Appn. No.: 31X0200.160; Amount Obligated: \$105,046.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: X By mutual agreement of the parties. D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Please see the attached page.

15A. NAME AND TITLE OF SIGNER (Type or print) OLES P. JACKSON CONTRACTING OFFICER 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) 15C. DATE SIGNED 9/4/01 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mary H. Mace Contracting Officer 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE SIGNED 8/30/01

TEMPLATE - ADM 001

ADM 02

This modification is issued to: (1) add task 6 in accordance with the attached pages; and (2) increase the contract ceiling and obligated amounts by \$105,046 from \$387,686 to \$492,732. The contract is therefore modified as follows:

1. Paragraphs (a), (c) and (d) of Section B.4, CONSIDERATION AND OBLIGATION—COST PLUS FIXED FEE (JUN 1988) ALTERNATE I (JUN 1991), are hereby deleted in their entirety and replaced with the following:
 - “(a) The total estimated cost to the Government for full performance of this contract is \$492,732, of which the sum of \$457,236 represents the estimated reimbursable costs, and of which \$35,496 represents the fixed fee.
 - (c) The amount currently obligated by the Government with respect to this contract is \$492,732, of which the sum of \$457,236 represents the estimated reimbursable costs, and of which \$35,496 represents the fixed fee.
 - (d) It is estimated that the amount currently allotted will cover performance through 11/30/01.”

A summary of obligations for this contract, from date of award through the date of this action, is given below:

FY1998 Obligation Amount:	\$100,000
FY1999 Obligation Amount:	\$100,000
FY2000 Obligation Amount:	\$ 98,186
FY2001 Obligation Amount:	\$194,546
Cumulative NRC Total Obligations	\$492,732

This modification obligates FY01 funds in the amount of \$105,046.

All other terms and conditions remain the same.

SCOPE OF WORK

The following task shall be added to the SOW:

Task 6: Technical Support for Risk-Informing 10 CFR 50.46

Develop and initiate an analytic approach to support risk-informing 10 CFR 50.46 and LBLOCA requirements. The approach shall include: assessment of existing information; identification of areas of insufficient information; review of available codes (including identification of strengths and weaknesses); updating/developing computer codes; uncertainty analysis; sample plant evaluations; and QA of codes and results. Provide references and supporting documentation. Concurrent to plan development, assist in supporting a series of up to three one-day public meetings to communicate the plan, technical developments and issues, as well as providing technical expertise and support for internal meetings.

DELIVERABLES/SCHEDULE AND/OR MILESTONES

<u>Task No.</u>	<u>Description/Deliverable</u>	<u>Date</u>
6	Submit detailed plan and supporting documentation to NRC PM	11/30/01
	Submit draft presentation materials for public meetings	Two weeks prior to meeting date.
	Submit final presentation materials for public meeting.	Three days prior to meeting date.

MEETINGS AND TRAVEL

<u>Trip</u>	<u>Purpose</u>	<u>Staff and Time</u>
NRC HQ	Participate in and provide technical support for a series of public meetings on LBB, LBLOCA, and risk-informing 10 CFR 50.46.	3 trips, 2 people for 2 days each
NRC HQ	Provide technical expertise to NRC staff at internal meetings.	2 trips, 2 people for 2 days each

NRC FURNISHED MATERIAL

No NRC-furnished material is required.

REPORTING REQUIREMENTS

A monthly letter status reports (MLSR) shall be submitted by the 20th of the month to the RES PM, Chuck Hsu, with copies provided to the following:

- Michael E. Mayfield, Director, Division of Engineering Technology, M/S T10-D20
- Nilesh C. Chokshi, Chief, Materials Engineering Branch, M/S T10-E10
- Edwin M. Hackett, Assistant Chief, Materials Engineering Branch, M/S T10-E10
- Carolyn J. Fairbanks, Materials Engineer, Materials Engineering Branch, M/S T10-E10
- Division of Contracts and Property Management, Office of Administration, M/S T7-I2

The MLSR will identify the title of the project, the job code, the Principal Investigator, the period of performance, the reporting period, summarize each month's technical progress, list monthly spending, total spending to date, and the remaining funds.