

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE FFS No. 5000R114	PAGE 1 OF 4 PAGES
2. AMENDMENT/MODIFICATION NO. 2	3. EFFECTIVE DATE AUG 24 2000	4. REQUISITION/PURCHASE REQ. NO. RFPa dtd 7/6/00	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 2 Washington DC 20555		7. ADMINISTERED BY (if other than item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) AEA Technology Engineering Services, Inc Attn: Mr. Van B. Walker, President 241 Curry Hollow Road Pittsburgh PA 15236	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. Con# NRC-02-99-001 SBA#
	X	10B. DATED (SEE ITEM 13) 10-31-1998
CODE		FACILITY CODE

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) 05015202105 J5265 252A 31X0200 OBLIGATE: \$14,600

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: Subsection C.1 - 52.212.4 - CONTRACT TERMS AND CONDITIONS-COMMERCIAL ITEMS, PARA. (c) Changes (APR 1998)
X	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ 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.)

- see attached pages

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Van B. Walker, President	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharon D. Stewart Contracting Officer
15B. CONTRACTOR/OFFEROR <i>Van B. Walker</i> (Signature of person authorized to sign)	15C. DATE SIGNED 8/24/00
16B. UNITED STATES OF AMERICA BY <i>Sharon D. Stewart</i> (Signature of Contracting Officer)	16C. DATE SIGNED 8/16/00

This modification is issued to (1) provide for the Contractor to conduct a code users workshop at the NRC, and (2) provide MONK depletion capability that will be used in the context of spent fuel burnup credit and high-burnup nuclide inventories for shielding and decay heat analysis during the option periods 1 through 4 in accordance with the attached statement of work. Per this modification, the first workshop is scheduled for September 18, 2000. However, the remaining workshops and the provision for the MONK depletion capability shall be performed at the option of the government in accordance with FAR 52.217-7 - Option for Increased Quantity - Separately Priced Line Item, of the contract.

Accordingly, the following changes are hereby made:

1. As a result of this action, the contract ceiling amount is hereby increased by \$14,600.00 from \$131,980.00 to \$146,580.00. Block No. 26 of SF-1449 for this contract is hereby deleted in its entirety and substituted with the following in lieu thereof:

"26. TOTAL AWARD AMOUNT
\$146,580.00"

2. Under Subsection B.1 - PRICE SCHEDULE, OPTION YEAR 1 through OPTION YEAR 4 are hereby deleted in their entirety and substituted with the following in lieu thereof:

"OPTION YEAR 1	QTY	U/I	U/P	TOTAL PRICE
1. ONE YEAR LICENSE FOR MONK, MCBEND VISTA AND VISAGE	1	LOT		\$48,977.00
2. SOFTWARE MAINTENANCE AND UPDATES FOR ABOVE	1	LOT		(*)
3. 2 ND SINGLE PROCESSOR LICENSE FOR MONK	1	EA		\$ 9,898.00
4. 2 ND SINGLE PROCESSOR LICENSE FOR MCBEND	1	EA		\$ 7,053.00
5. 2 ND SINGLE PROCESSOR LICENSE FOR VISAGE	1	EA		\$ 1,072.00
6. OPTIONAL DEPLETION CAPABILITY IN MONK	3	MONTH		\$ 2,500.00
7. OPTIONAL CODE USER WORKSHOP	1	EA		\$12,100.00

OPTION YEAR 2	QTY	U/I	U/P	TOTAL PRICE
1. ONE YEAR LICENSE FOR MONK, MCBEND VISTA AND VISAGE	1	LOT		\$50,593.00
2. SOFTWARE MAINTENANCE AND UPDATES FOR ABOVE	1	LOT		(*)
3. 2 ND SINGLE PROCESSOR LICENSE FOR MONK	1	EA		\$10,225.00
4. 2 ND SINGLE PROCESSOR LICENSE FOR MCBEND	1	EA		\$ 7,285.00
5. 2 ND SINGLE PROCESSOR LICENSE FOR VISAGE	1	EA		\$ 1,108.00
6. OPTIONAL DEPLETION CAPABILITY IN MONK	3	MONTH		\$10,330.00
7. OPTIONAL CODE USER WORKSHOP	1	EA		\$13,950.00
OPTION YEAR 3	QTY	U/I	U/P	TOTAL PRICE
1. ONE YEAR LICENSE FOR MONK, MCBEND VISTA AND VISAGE	1	LOT		\$52,262.00
2. SOFTWARE MAINTENANCE AND UPDATES FOR ABOVE	1	LOT		(*)
3. 2 ND SINGLE PROCESSOR LICENSE FOR MONK	1	EA		\$10,563.00
4. 2 ND SINGLE PROCESSOR LICENSE FOR MCBEND	1	EA		\$ 7,526.00
5. 2 ND SINGLE PROCESSOR LICENSE FOR VISAGE	1	EA		\$ 1,144.00
6. OPTIONAL DEPLETION CAPABILITY IN MONK	3	MONTH		\$10,671.00
7. OPTIONAL CODE USER WORKSHOP	1	EA		\$14,762.00

OPTION YEAR 4	QTY	U/I	U/P	TOTAL PRICE
1. ONE YEAR LICENSE FOR MONK, MCBEND VISTA AND VISAGE	1	LOT		\$53,987.00
2. SOFTWARE MAINTENANCE AND UPDATES FOR ABOVE	1	LOT		(*)
3. 2 ND SINGLE PROCESSOR LICENSE FOR MONK	1	EA		\$10,911.00
4. 2 ND SINGLE PROCESSOR LICENSE FOR MCBEND	1	EA		\$ 7,774.00
5. 2 ND SINGLE PROCESSOR LICENSE FOR VISAGE	1	EA		\$ 1,182.00
6. OPTIONAL DEPLETION CAPABILITY IN MONK	3	MONTH		\$11,023.00
7. OPTIONAL CODE USER WORKSHOP	1	EA		\$15,249.00"

3. Under Subsection B.2.3 - PRODUCTS AND SERVICES TO BE PROVIDED, a second paragraph is hereby added to Item 2. - User Support as shown in the attached statement of work for this modification. As well, Item3. - MONK Depletion Option is also hereby added to this subsection as shown in the attached statement of work.

All other terms and conditions of this contract remain unchanged.

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

Total FY99 Obligation Amount:	\$ 64,980.00
Total FY00 Obligation Amount:	\$ 81,600.00
Cumulative Total of NRC Obligations:	\$146,580.00

This modification obligates FY00 funds in the amount of \$14,600.00.

NRC-02-99-001
Modification No. 2
STATEMENT OF WORK

The purpose of this modification is to revise the statement of work in the subject contract since NMSS has a need for AEA Technology Engineering Services, Inc. (AEAT) to conduct a code users workshop at the NRC and provide MONK depletion capability that will be used in the context of spent fuel burnup credit and high-burnup nuclide inventories for shielding and decay heat analysis. Therefore, Section B.1 - Price Schedule of the contract should be revised by including line item number 6 in option years one through four for a depletion capability in MONK and line item number 7 in option years one through four for an optional users workshop. Both line items are to be optional requirements in accordance with FAR clause 52.217-7 - Option for Increased Quantity - Separately Priced Line Item.

In addition, Section B.2.3 - Products and Services to be Provided of the contract shall be revised by adding the following paragraphs.

Add an additional paragraph to item 2. User Support.

Once each year, AEAT shall provide the necessary instructors and course materials to conduct a code users workshop at NRC headquarters for up to twenty NRC attendees. The NRC will provide the course facilities, computers, and software necessary for conducting the course. The duration of the workshop shall be five days in option year one with two days anticipated for MONK training and three for MCBEND. The duration of the workshop for option years 2 through 4 shall be approximately eight days with three days anticipated for MONK training and five days for MCBEND. The workshop shall highlight application requirements for software features, problem solving techniques, and shall accommodate the needs of both new and experienced code users. Therefore, both refresher and beginners training are required. The workshop shall be scheduled at least two months in advance by the NRC's Technical Project Manager (TPM) and the contractor's Project Manager. The first workshop is anticipated for the week of September 18, 2000. An outline of the workshop shall be provided to the NRC TPM for approval two weeks before the workshop begins. The NRC TPM will notify the Project Manager of approval within one week after receipt. All course materials shall be provided in paper and/or electronic format to the NRC TPM.

Add paragraph 3.

3. MONK Depletion Option

AEAT shall provide compiled executables of the latest released versions of the MONK and MCBEND codes associated with nuclear data libraries and auxiliary codes. These codes shall include VISAGE, VISTA-RAY, and VISTA-GRAPH. AEAT shall replace the standard version of MONK with the version that includes a nuclide depletion capability. In order to accommodate the NRC's changing computing environments and evolving user needs, the NRC may elect to reinstall the code packages on a different or an additional computing platform supported by AEAT. AEAT shall promptly report any deficiencies or errors found in the codes and data libraries and provide, at no extra charge, any corrections or updated versions of the software and data libraries for installation on the NRC workstation(s) within one month of their release by the developers.