

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE NRC-04-98-041	PAGE 1	OF PAGES 1
2. AMENDMENT/MODIFICATION NO. 011	3. EFFECTIVE DATE 3-14-2002	4. REQUISITION/PURCHASE REQ. NO. RES-C02-403	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 1 Washington DC 20555	CODE	7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Attn: T-7-I-2 Contract Management Branch 1 Washington DC 20555	CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Pennsylvania State University Office of Sponsored Programs Attn: Ms. Danelle Kissell 110 Technology Center University Park PA 16802		(X)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-98-041	
			10B. DATED (SEE ITEM 13) 11-03-1997	
CODE	FACILITY CODE	X		

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) no change

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

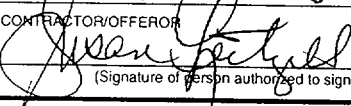

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-2 Alt V Changes- Cost reimbursement
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return two copies to the issuing office.

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

See attached continuation sheet.

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) Susan Leitzell, Associate Director Office of Sponsored Programs		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mary H. Mace Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED APR 05 2002	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 03-14-2002

CONTINUATION PAGE

The purpose of this modification is to change the Statement of Work for this contract at no change to the contract estimated cost. Accordingly, the contract is modified as follows:

1. Section C of the contract is modified at no change to the contract estimated costs by the following language:

MODIFICATION TO TASK 9, TEST MATRIX

The contract calls for 15 bottom reflood tests, 8 steam cooling tests, and 8 steam-cooling-with-liquid-injection tests. However, in view of the fact that 15 reflood tests are not sufficient but 40 reflood tests will be required for development of a reflood model, the contractor shall perform as many reflood tests as possible, but no fewer than 33 reflood tests, before the contract expiration date of November 2, 2002. Eight steam cooling tests and 8 steam-cooling-with-liquid-injection tests shall be eliminated from the contract. More tests are expected to be run by eliminating the cost associated with changing test facility configurations two times; i.e., test configuration change from reflood to steam cooling and another configuration change from steam cooling to steam-cooling-with-liquid-injection.

2. A summary of obligations follows:

FY 98 Obs	\$900,000
FY 99 Obs	\$600,000
FY 00 Obs	\$820,000
FY 01 Obs	\$550,000
FY 02 Obs	\$300,000
Total	\$3,170,000

3. All other terms and conditions remain unchanged.