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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  PENNSYLVANIA STATE UNIVERSITY, THE  408 OLD MAIN  UNIVERSITY PARK PA 168021505	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-04-063
	X.	10B. DATED (SEE ITEM 13) 05-05-2004
CODE 003403953	FACILITY CODE	

☐ 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 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 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. 66015111205, JC:Y6945 BOC:252A,  
APP No. 31X0200.660, RES-C06-003, \$0.00

(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: 52-243-2 Changes--Cost Reimbursement Alt V
	D. OTHER (Specify type of modification and authority)

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

The purpose of this modification is as follows:

To confirm the verbal authorization provided to Pennsylvania State University on 1/10/06, this bilateral modification is to (1) incorporate the within-scope work, at no additional cost to the Government, in accordance with the attached SOW (Attachment A) under the subject contract and (2) change the period of performance from 5/5/04 through 6/30/06, to 5/5/04 through 1/31/06.

Previous Total Obligated Amount: \$1,033,475.00  
Increased/Decreased Obligated Amount: \$0.00  
Current Total Obligated Amount: \$1,033,475.00  
All other terms and conditions remain unchanged.

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.

STANDARD FORM NO. 64 (REV. 10-83)

STANDARD FORM NO. 64  
ADM 1002

ATTACHMENT A

STATEMENT OF WORK FOR  
CONTRACT MODIFICATION NO. 5

Contract No. NRC-04-04-063

Contractor: Pennsylvania State University

Job Code No: Y6945

Contract Title: Rod Bundle Heat Transfer (RBHT) Test Program - Phase 3

Contract Performance Period: May 5, 2004 through January 31, 2006

**Modified Work Scope Description:**

The NRC has determined that it would be preferable to acquire more data from steam cooling tests with liquid droplet injection. In particular, the NRC wants to replace 3 high temperature reflood tests, which are a part of the current contract work scope, with 5 steam cooling tests with liquid droplet injection. Although the replacement of 3 high temperature reflood tests with the 5 steam cooling tests is not expected to have any impact on the cost and the schedule of the contract, the contractor should submit a proposal for replacing 3 high temperature reflood tests with the 5 steam cooling tests.

Estimate of Change in Level of Effort: None

All other requirements of the contract remain the same except that reporting requirements are adjusted per the above modified work scope. In addition, all work to be done under this contract shall be completed by January 31, 2006.