

2. AMENDMENT/MODIFICATION NO. M0009	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. ZEROREQ-RES-19-0037	5. PROJECT NO. (If applicable)
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6. ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-8E06M ATTN JEFFREY R MITCHELL 301-415-5074 WASHINGTON DC 20555-0001	7. ADMINISTERED BY (If other than Item 6) US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-8E06M WASHINGTON DC 20555-0001
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) PURDUE UNIVERSITY 401 SOUTH GRANT ST WEST LAFAYETTE IN 479072024	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-13-C-04-0022 NRC-HQ-60-15-T-0001
		10B. DATED (SEE ITEM 13) 05/04/2015

**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 on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT 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 letter or electronic communication, provided each letter or electronic communication 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)  
See Schedule

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


CHECK ONE	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 data, 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: Bilateral Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
Project Title: Post-CHF Heat Transfer at High Pressure and Flow Conditions: Experimental Support for TRACE Model Development.  
The purpose of this modification is to extend the period of performance from December 31, 2018 to May 25, 2019 at no additional cost to the Government and to revise deliverable dates.

Accordingly the contract is modified as follows:  
  
Refer to Section, NRCF032 TASK/DELIVERY ORDER  
Continued ...

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

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JEFFREY R. MITCHELL
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)
	16C. DATE SIGNED 12/21/2018

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
 NRC-HQ-13-C-04-0022/NRC-HQ-60-15-T-0001/M0009

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NAME OF OFFEROR OR CONTRACTOR  
 PURDUE UNIVERSITY

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>PERIOD OF PERFORMANCE (SEP 2013), is hereby revised as follows:                      "This order shall commence on 6/1/2015 and expire on 05/25/2019."</p> <p>Revised Deliverable Dates:</p> <p>Task 3: Advanced Instrumentation System                      Revised Due Date: December 2018</p> <p>Task 4: Inverted Annular Film Boiling Test Series                      Revised Due Date: May 2019</p> <p>Task 5: Inverted Slug Film Boiling Test Series                      Revised Due Date: May 2019</p> <p>Task 6: Dispersed Flow Film Boiling Test Series                      Revised Due Date: May 2019</p> <p>Period of Performance: 6/1/2015 - 05/25/2019                      (Changed)                      Total Task Order Ceiling: \$1,072,990.00                      (Unchanged)                      Total Obligated Amount: \$1,072,990.00 (Unchanged)                      Delivery Location Code: NRCHQ                      US NUCLEAR REGULATORY COMMISSION-                      MAIL PROCESSING CENTER                      4930 BOILING BROOK PARKWAY                      ROCKVILLE MD 20852 USA</p> <p>Period of Performance: 06/01/2015 to 05/25/2019</p>				