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|--|------------------------------------|---|--------------------------------|
| 2. AMENDMENT/MODIFICATION NO.<br>M0014   | 3. EFFECTIVE DATE<br>See Block 16C | 4. REQUISITION/PURCHASE REQ. NO.<br>OCHCO-17-0129   | 5. PROJECT NO. (If applicable) |
| 6. ISSUED BY      CODE<br>US NRC - HQ<br>ACQUISITION MANAGEMENT DIVISION<br>MAIL STOP TWFN-8E06M<br>WASHINGTON DC 20555-0001 |                                    | 7. ADMINISTERED BY (If other than Item 6)      CODE |                                |

|   |     |  |
|---|-----|--|
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)<br>OAK RIDGE ASSOCIATED UNIVERSITIES INCORPORATED<br>ATTN LISA KENDRICK<br>OAK RIDGE OFFICE<br>PO BOX 117<br>OAK RIDGE TN 378306218 | (x) | 9A. AMENDMENT OF SOLICITATION NO.  |
|   |     | 9B. DATED (SEE ITEM 11)  |
|   | x   | 10A. MODIFICATION OF CONTRACT/ORDER NO.<br>GS10F0176V<br>NRC-HQ-84-15-T-0001 |
| CODE    041152224      FACILITY CODE  |     | 10B. DATED (SEE ITEM 13)<br>02/27/2015                                       |

**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 telegram 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 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. ACCOUNT NG AND APPROPRIATION DATA (If required)<br>See Schedule | Net Increase: | \$250,000.00 |
|---|---------------|--------------|

**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 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         | D. OTHER (Specify type of modification and authority)<br>52.232 -22 - Limitation of Funds; FAR 43.103(a) (3) Mutual Agreement of the Parties  |

**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.)  
The purpose of this modification is to: 1) add incremental funding in the amount of \$250,000.00, thereby increasing the obligated amount from \$3,538,629.00 to \$3,788,629.00; 2) add Government Furnished Equipment under Section H; 3) to add clause FAR 52.245-1 - Government Property, to Section I; and 4) to add Attachment J.5 - Government Furnished Property, to Section J.

Accordingly, the following changes on the Continuation Page:

LIST OF CHANGES:  
Reason for Modification : Funding Only Action  
Obligated Amount for this Modification: \$250,000.00  
New Total Obligated Amount for this Award: \$3,788,629.00  
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)<br>MARK THOMPSON |   |                  |
| 15B. CONTRACTOR/OFFEROR                           | 15C. DATE SIGNED  | 16B. UNITED STATES OF AMERICA               | 16C. DATE SIGNED |
| _____<br>(Signature of person authorized to sign) |   | _____<br>(Signature of Contracting Officer) | 08/09/2017       |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
 GS10F0176V/NRC-HQ-84-15-T-0001/M0014

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NAME OF OFFEROR OR CONTRACTOR  
 OAK RIDGE ASSOCIATED UNIVERSITIES INCORPORATED

| ITEM NO.<br>(A) | SUPPL ES/SERVICES<br>(B)  | QUANTITY<br>(C) | UNIT<br>(D) | UNIT PRICE<br>(E) | AMOUNT<br>(F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
|                 | <p>Incremental Funded Amount changed: from<br/>                     \$3,538,629.00 to \$3,788,629.00<br/>                     CHANGES FOR LINE ITEM NUMBER: 1<br/>                     Obligated Amount for this modification:<br/>                     \$250,000.00<br/>                     Incremental Funded Amount changed from<br/>                     \$3,538,629.00 to \$3,788,629.00</p> <p>NEW ACCOUNTING CODE ADDED:<br/>                     Account code:<br/>                     2017-X0200-FEEBASED-84-84D003-1200-34-N-157-251F-3<br/>                     4-N-157-1200<br/>                     BBFY 2017<br/>                     EBFY<br/>                     Fund X0200<br/>                     Funds Source FEEBASED<br/>                     YBA<br/>                     Office 84<br/>                     Division 84D003<br/>                     Branch<br/>                     Cost Ctr (Job Code) 1200<br/>                     Major prog/business 34<br/>                     Product Line N<br/>                     Product 157<br/>                     BOC 251F<br/>                     REIM Agreement Num<br/>                     REIM Agmt Line Num<br/>                     FAIMIS Template Name 34-N-157-1200<br/>                     Quantity: 0<br/>                     Amount: \$250,000.00<br/>                     Percent: 3.4235<br/>                     Subject To Funding: N<br/>                     Payment Address:</p> <p>Period of Performance: 03/01/2015 to 02/28/2018</p> |                 |             |                   |               |

Accordingly, the following changes are made:

I. Under Section B:

Obligated Amount for this modification: \$250,000.00  
New Total Obligated Amount: \$3,788,629.00 (changed)  
Base and Exercised Options: \$7,302,468.90 (unchanged)  
Base and All Options: \$7,302,468.90 (unchanged)  
Exercised Period of Performance: 03/02/2015 to 02/28/2018 (unchanged)  
Total Period of Performance: 03/02/3015 to 02/28/2020 (unchanged)

II. Under Section H.13 NRCH070 Government Furnished Equipment/Property, the final paragraph under section (a) is hereby revised as follows: "By this modification, the Government-Furnished Equipment (GFE) listed in Attachment J.5, 'Government Furnished Property' is hereby placed in the possession of the contractor, for the contractor's use in performing this contract. The contractor shall maintain possession of this GFE until such time as this GFE is dispositioned off of the contract."

III. Under Section I.7 52.252-2 Clauses Incorporated By Reference. (FEB 1998), add: FAR F2.245-1 – Government Property.

IV. Under Section J: add Attachment J.5 – Government Furnished Equipment, to Section J.

All other terms and conditions remain unchanged.

Attachment J. 5 -- Health Physics Training Inventory

| ENTRY | NRC FIN # | PROP/ SEQ# | SHORT NAME       | DESCRIPTION   | ACQ DATE | ADJ GROSS COST | COMMENTS   | LOCATION CODE |
|-------|-----------|------------|------------------|---|----------|----------------|------------|---------------|
| 1     | A-9009    | A00096     | DETECTOR         | EG&G ORTEC;S222-P-917;MGEM 10195S; HIGH PURITY GERMANIUM PHOTON DETECTOR HPGe 1; S/N S-1025-953                         | 07/82    | \$9,350.00     | >\$5000.00 | ROOM 19       |
| 2     | A-9009    | A00100     | DETECTOR         | EG&G ORTEC; S25 P 1443B; MGEM 10175 HIGH PURITY GERMANIUM PHOTON DETECTOR HPGe2; S/N 00-11093-B                         | 04/85    | \$9,580.00     | >\$5000.00 | ROOM 19       |
| 3     | A-9009    | A00253     | DETECTOR         | GERMANIUM (13285); S/N S0-11840   | 8/5/02   | \$20,470.00    | >\$5000.00 | ROOM 19       |
| 4     | M-8437    | U01425     | DETECTOR         | MOD IDENTIFINDER ULTRA LAB-LG ECCN 1A99A; S/N 906537-1  | 06/10    | \$23,780.00    | >\$5000.00 | ROOM 142      |
| 5     | M-8437    | U01426     | DETECTOR and MCA | INSPECTOR 1000 DIGITAL HANDHELD MCA CANBERRA LCD; S/N 13000418, LaBr Model IPROL S/N 13000127                           | 06/10    | \$18,795.00    | >\$5000.00 | ROOM 142      |
| 6     | M-8437    | U01498     | SPECTROMETER     | HPGE PORTABLE SPECTROMETER; DETECTOR FALCON 5000; S/N 130001520   | 08/11    | \$77,853.47    | >\$5000.00 | ROOM 142      |
| 7     | M-8437    | N/A        | SAMPLER          | Global Water Flow Probe Model FP111, S/N 1134159957   | 07/11    | \$783.72       | <\$5000.00 | SC-300        |
| 8     | M-8437    | U01494     | AIR SAMPLER      | Repairable Spare: HVP-3300 BRL, 3-STAGE, 800 WATT, 120 VAC BRUSHLESS BLOWER/OUTDOOR HIGH VOL AIR SAMPLER; S/N HVP330BRL | 08/11    | \$2,200.00     | <\$5000.00 | Air Pad       |
| 9     | M-8437    | U01631     | DETECTOR         | 10-50 CFM DIGITAL AIR FLOW CALIBRATOR M/N D-AFC-50; S/N 21927   | 11/11    | \$1,480.00     | <\$5000.00 | RM 23         |
| 10    | M-8437    | U01533     | DETECTOR         | P 385 DT NEUTRON GENERATOR SYSTEM; S/N T1211132   | 1/12     | \$93,750.00    | >\$5000.00 | SC-300        |
| 11    | M-8437    | U01543     | DETECTOR         | NEUTRON PROBE LB6411 w/ LB123 BASIC UNIT; S/N 82042LB6411   | 5/12     | \$12,198.00    | >\$5000.00 | RM 144        |
| 12    | M-8437    | U01579     | DETECTOR         | VELOCALC AIR VELOCITY METER; S/N T95451227001   | 7/12     | \$1,165.00     | <\$5000.00 | RM 142        |
| 13    | M-8437    | U01580     | DETECTOR         | VELOCALC AIR VELOCITY METER; S/N T95451227001   | 7/12     | \$1,165.00     | <\$5000.00 | RM 142        |
| 14    | M-8437    | U01581     | DETECTOR         | VELOCALC AIR VELOCITY METER; S/N T95451227001   | 7/12     | \$1,165.00     | <\$5000.00 | RM 142        |
| 15    | M-8437    | U01582     | DETECTOR         | VELOCALC AIR VELOCITY METER; S/N T95451227001   | 7/12     | \$1,165.00     | <\$5000.00 | RM 142        |
| 16    | M-8437    | U01585     | DETECTOR         | DINEUTRON, EM18327, NEUTRON FLUX SURVEY METER; S/N 616  | 7/12     | \$11,533.00    | >\$5000.00 | RM 142        |
| 17    | M-8437    | U01598     | DETECTOR         | PNM-200/R; PORTABLE NEUTRON SURVEY METER; S/N 77028   | 8/12     | \$6,900.00     | >\$5000.00 | SC-300        |