**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>1. CONTRACT ID CODE</th>
<th>2. AMENDMENT/MODIFICATION NO.</th>
<th>3. EFFECTIVE DATE</th>
<th>4. REQUISITION/PURCHASE REQ. NO.</th>
<th>5. PROJECT NO. (If applicable)</th>
<th>PAGE OF PAGES</th>
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<tr>
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<td>0053</td>
<td>See Block 16C</td>
<td>16SC001978</td>
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8. ISSUED BY CODE

Brookhaven Site Office  
U.S. Department of Energy  
Brookhaven Site Office  
53 Bell Avenue  
Upton NY 11973

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

**BROOKHAVEN SCIENCE ASSOCIATES, LLC**  
Attn: Brian Boyle  
BROOKHAVEN NATIONAL LABORATORY  
BLDG. 460, PO BOX 5000  
UPONT NY 119735000

**CODE 027579460**  
FACILITY CODE

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.  
DE-SC0012794

10B. DATED (SEE ITEM 13)  
12/22/2014

**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 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. ACCOUNTING AND APPROPRIATION DATA (If required)

Net Increase: $770,239.31

See AFP dated 8-25-2016 located at BHSO

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

☐ 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:

☐ D. OTHER (Specify type of modification and authority)

☐ X Obligation of funds clause I.152 - DEAR 970.5232-4

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

Tax ID Number: 11-3403915  
DUNS Number: 027579460  
Total Amount for this Modification: $770,239.31

Total Amount changed from $1,288,381,188.87 to $1,289,151,428.18  
Obligated Amount for this modification: $770,239.31  
Payment: Payment - Direct Payment  
from U.S. Dept of Treasury  
FOB: Destination  
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)

Evelyn J. Landini

15B. CONTRACTOR/OFFEROR

(Signature of person authorized to sign)

15C. DATE SIGNED

08/29/2016

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Evelyn J. Landini

16B. UNITED STATES OF AMERICA

Signature on File

16C. DATE SIGNED

08/29/2016
<table>
<thead>
<tr>
<th>ITEM NO. (A)</th>
<th>SUPPLIES/SERVICES (B)</th>
<th>QUANTITY (C)</th>
<th>UNIT (D)</th>
<th>UNIT PRICE (E)</th>
<th>AMOUNT (F)</th>
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<td>00001</td>
<td>M&amp;O contract for BNL</td>
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<td>1,289,151,428.18</td>
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Period of Performance: 01/05/2015 to 01/04/2020

Change Item 00001 to read as follows (amount shown is the total amount):