AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

<table>
<thead>
<tr>
<th>1. CONTRACT ID CODE</th>
<th>3. EFFECTIVE DATE</th>
<th>4. REQUISITION/PURCHASE REQ. NO.</th>
<th>5. PROJECT NO. (If applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See Block 16C</td>
<td>15SC000669</td>
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<table>
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<tr>
<th>2. AMENDMENT/MODIFICATION NO.</th>
<th>6. ISSUED BY CODE</th>
<th>7. ADMINISTERED BY (If other than Item 6) CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0004</td>
<td>06005</td>
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</tr>
</tbody>
</table>

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: MICHAEL FUREY
BROOKHAVEN NATIONAL LABORATORY
BLDG. 185, PO BOX 5000
UPTON NY 119735000

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
DE-SC0012704

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 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. ACCOUNTING AND APPROPRIATION DATA (If required)

Net Increase: $41,929,613.48

See Schedule

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:

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: $41,929,613.48

Total Amount changed from $356,954,206.72 to $398,883,820.20
Payment:
Payment - Direct Payment from U.S. Dept of Treasury
FOB: Destination
Period of Performance: 01/05/2015 to 01/04/2020

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)
Robert P. Gordon

15C. DATE SIGNED
(Signature of person authorized to sign)
01/27/2015

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

16B. UNITED STATES OF AMERICA
Signature on File
01/27/2015

16C. DATE SIGNED
(Signature of Contracting Officer)
### Change Item 00001 to read as follows (amount shown is the total amount):

**00001**  
M&O contract for BNL  

**Accounting Info:**  
Estimated value $650,000,000 per year  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $0.00  

**Accounting Info:**  
See AFP dated 1-14-2015 located at BHSO [Non-App]  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 0000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $0.00  

**Accounting Info:**  
See AFP dated 1-14-2015 located at BHSO [WFO App]  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 0000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $0.00  

**Accounting Info:**  
See AFP dated 1-14-2015 located at BHSO [DOE App]  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 0000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $0.00  

**Accounting Info:**  
See AFP dated 1-26-2015 located at BHSO Fund: 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 0000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $0.00  

**Accounting Info:**  
See AFP dated 1-26-2015 located at BHSO [Non-App]  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:** 0000000  
**Project:** 0000000  
**WFO:** 0000000  
**Local Use:** 0000000  
**Funded:** $113,059.54  

**Accounting Info:**  
See AFP dated 1-26-2015 located at BHSO [App]  
**Fund:** 00000  
**Appr Year:** 0000  
**Allottee:** 00  
**Report Entity:** 000000  
**Object Class:** 00000  
**Program:**  

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<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>00001</td>
<td>M&amp;O contract for BNL</td>
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**TOTAL:** 398,883,820.20
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<tr>
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<td>0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000</td>
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<td>Funded: $41,816,553.94</td>
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Funded: $41,816,553.94