**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
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<tr>
<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>
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<tr>
<td>0048</td>
<td>16SC001583</td>
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<thead>
<tr>
<th>6. ISSUED BY</th>
<th>7. ADMINISTERED BY (If other than Item 6)</th>
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<tbody>
<tr>
<td>CODE</td>
<td>CODE</td>
</tr>
<tr>
<td>Brookhaven Site Office</td>
<td></td>
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<tr>
<td>U.S. Department of Energy</td>
<td></td>
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<tr>
<td>Brookhaven Site Office</td>
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<tr>
<td>53 Bell Avenue</td>
<td></td>
</tr>
<tr>
<td>Upton NY 11973</td>
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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
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. ACCOUNTING AND APPROPRIATION DATA (If required)

Net Increase: $1,043,175.21

See AFP dated 6/27/2016 located at BHSO

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 changed from $1,261,320,770.43 to $1,262,363,945.64
Obligated Amount for this modification: $1,043,175.21

Delivery Location Code: 06005
Brookhaven Site Office
US Department of Energy
Brookhaven Site Office
53 Bell Avenue
Upton NY 11973

Continued ...

15A. NAME AND TITLE OF SIGNER (Type or print)

Evelyn J. Landini

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

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

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

Signature on File

06/30/2016

STANDARD FORM 30 (REV. 10-83)
PREScribed by GSA
FAR (48 CFR) 53.243

NSN 7540-01-152-8070
Previous edition unusable
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<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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<td>1,262,363,945.64</td>
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Payment:
- Payment - Direct Payment
  - from U.S. Dept of Treasury

FOB: Destination

Period of Performance: 01/05/2015 to 01/04/2020

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