AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID NO: Q406-14-0016
2. MODIFICATION NO: 001
3. EFFECTIVE DATE: 09/25/2014
4. MODIFICATION NO: 001
5. PROJECT NO: (If applicable) 2370600000
6. CODE: CPSC
7. Code: ENPS
8. NAME AND ADDRESS OF CONTRACTOR:
   ENVIRONMENTAL PROTECTION AGENCY
   ATTN: NICOLE J. THEISE PHD
   OFFICE OF RESEARCH AND DEVELOPMENT
   NATIONAL EXPOSURE RESEARCH LAB
   149 TW ALEXANDER DRIVE
   MD-2205-04
   RESEARCH TRIANGLE PARK NC 27711
   CODE: 04128694
   FACILITY CODE: 05/31/2012
9. AMENDMENT OF SOLICITATION NO:
10. MODIFICATION OF CONTRACT ORDER NO:
    CPSC-1-12-0013
11. DATED (SEE ITEM 9):
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS, ONCE MODIFIED THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 10.

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. 10A.
B. THE ABOVE REFERENCED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in ordering office, approval date, etc.) SET FORTH IN ITEM 14 PERMITTED TO THE AUTHORITY OF FAR 31.203.
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify what authority)

X. NO COST MODIFICATION, ARTICLE IX, PERIOD OF PERFORMANCE

E. IMPORTANT: Contractor must sign this document to accept the changes
   1. (If applicable, number of copies to be issued)

DUNS Number: 029128694
COR: Dr. T. Thomas
PHONE: (301) 564-7748
EMAIL: tthomas@cpsc.gov

Modification #001 to agreement CPSC-1-12-0013 is being issued to extend the period of performance through September 30, 2015. This no-cost extension will allow the U.S. EPA to deliver a high quality report of maximum benefit for the complexity of detecting and quantifying nanomaterials.

[Signatures]
Frank Roth, Branch Chief
Fellowship, IA & SEE's Branch

[Signature]
Donna Hutton

[Paragraph about the agreement]

STANDARD FORM 30 (REV. 10-08)
Prepared by OSHA
FAR (48 CFR) 31.203
**United States Environmental Protection Agency**
Washington, DC 20460

**Interagency Agreement Amendment**

**Part 1 - General Information**

<table>
<thead>
<tr>
<th>1. EPA IA Identification Number</th>
<th>2. Funding Location by Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW-81-92369501 - 2</td>
<td>EPA HQ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Other Agency IA ID Number (if known)</th>
<th>4. Awarding Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC-1-12-0013</td>
<td>IASCC East</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Type of Action</th>
<th>6. IA Specialist:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Cost Amendment</td>
<td>Lenore Connell</td>
</tr>
<tr>
<td></td>
<td>202-564-5343</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:Connell.Lenore@epa.gov">Connell.Lenore@epa.gov</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Name and Address of EPA Organization</th>
<th>8. Name and Address of Other Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Environmental Protection Agency</td>
<td>Consumer Product Safety Commission</td>
</tr>
<tr>
<td>IASCC East</td>
<td>NIA</td>
</tr>
<tr>
<td>1200 Pennsylvania Avenue, NW Mail code 3903R</td>
<td>4330 East-West Highway, Suite 500</td>
</tr>
<tr>
<td>Washington, DC 20460</td>
<td>Bethesda, MD 20814</td>
</tr>
</tbody>
</table>

|--------------------|---------------|---------------------|-----------------|

13. Project Title and Description
Evaluation of Nanoparticles in Wood-Based Consumer Products

EPA will conduct preliminary research to improve the understanding of the use of copper nanoparticles in consumer products. Specifically the research will focus on the use of copper nanoparticles in the treatment of lumber. The research under this agreement will aim not only at characterizing the nanomaterial in the consumer products but to also evaluate the potential for exposure from use of the selected products.

To extend the budget and project periods:

14. EPA Project Officer (Name, Address, Telephone Number)
Thabet Tolaymat
26 W. Martin Luther King Drive (CHL)
Cincinnati, OH 45268
513-487-2860
E-Mail: Tolaymat.Thabet@epa.gov
FAX: 513-569-7879

15. Other Agency Project Officer (Name, Address, Telephone)
Treye A. Thomas
4330 East-West Highway, Suite 600
Bethesda, MD 20814
301-504-7738
E-Mail: TTThomas@cpsc.gov
FAX: 301-504-0079

16. Project Period: 09/03/2012 to 09/30/2015
17. Budget Period: 09/03/2012 to 09/30/2015

18. Scope of Work (See Attachment)
The scope of work remains the same;

19. Employer/Tax ID No. 520852695
20. CAGE No: 347A4
21. ALC: 68-01-0727
23. Other Agency Type
Federal Agency

22. Statutory Authority for Transfer of Funds and Interagency Agreement
Toxic Substances Control Act: Sec. 10; 15 USC 2609

24. Revise Reimbursable Funds and Direct Fund Cites (only complete if applicable)

<table>
<thead>
<tr>
<th>Revised Reimbursable (in-house)</th>
<th>Revised Direct Fund Cite (contractor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Funding</td>
<td>This Action</td>
</tr>
<tr>
<td>Amended Total</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funds</th>
<th>Previous Amount</th>
<th>Amount This Action</th>
<th>Total Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Amount</td>
<td>$0</td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>EPA In-Kind Amount</td>
<td>$300,000</td>
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<td>$300,000</td>
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<tr>
<td>Other Agency Amount</td>
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<td>$375,000</td>
</tr>
<tr>
<td>Other Agency In-Kind Amount</td>
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<td></td>
<td>$0</td>
</tr>
<tr>
<td>Total Project Cost</td>
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<td></td>
<td>$675,000</td>
</tr>
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</table>

30. Fiscal Information

<table>
<thead>
<tr>
<th>Treas. Symbol</th>
<th>DCN</th>
<th>FY</th>
<th>Appropriation</th>
<th>Budget Org</th>
<th>PRC</th>
<th>Object Class</th>
<th>Site/Project</th>
<th>Cost Org</th>
<th>ObiDe-Ob Amt</th>
</tr>
</thead>
</table>

EPA Form 1610-1 (Rev. 11-09) Previous editions are obsolete.
### Part II - Approved Budget

<table>
<thead>
<tr>
<th>31. Budget Categories</th>
<th>Itemization of All Previous Actions</th>
<th>Itemization of This Action</th>
<th>In-Kind Itemization of This Action</th>
<th>Itemization of Total Project Cost to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Personnel</td>
<td>$200,000</td>
<td>$200,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(b) Fringe Benefits</td>
<td>$0</td>
<td>$0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(c) Travel</td>
<td>$20,000</td>
<td>$20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(d) Equipment</td>
<td>$0</td>
<td>$0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(e) Supplies</td>
<td>$120,000</td>
<td>$120,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(f) Procurement / Assistance</td>
<td>$308,675</td>
<td>$308,675</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(g) Construction</td>
<td>$0</td>
<td>$0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(h) Other</td>
<td>$0</td>
<td>$0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i) Total Direct Charges</td>
<td>$648,675</td>
<td>$648,675</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td>(j) Indirect Costs:</td>
<td>$26,325</td>
<td>$26,325</td>
<td>$0</td>
<td></td>
</tr>
</tbody>
</table>

Charged - Amount
Rate: %
Base: $
Not Charged:
Funds-In: Not charged by EPA
Amount $

(k) Total
(EPA Share %)
(Other Agency Share %)

$k\;

32. How was the IDC Base calculated?

33. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? ☑ Yes ☐ No

(Identify all equipment costing $1,000 or more)

34. Are any of these funds being used on Procure/Assistance agreements? ☑ Yes ☐ No

### Part III - Funding Methods and Billing Instructions

35. ☑ Disbursement Agreement
   - Request for repayment of actual costs must be itemized on SF 1060 and submitted to the Financial Management Office, Cincinnati, OH 45256-7002:

   ☐ Repayment
     - ☑ Monthly
     - ☑ Quarterly
     - ☑ Upon Completion of Work

   ☑ Advance
     - Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45256-7002.

   ☐ Allocation Transfer-Out
     - Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.

☐ Reimbursement Agreement
   - ☑ Repayment
   - ☐ Advance

☐ Allocation Transfer-In

Other Agency's Billing Address (include ALC or Station Symbol Number) 81-00-0001

Other Agency's Billing Instructions and Frequency

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EPA Form 1610-1 (Rev. 11-59). Previous editions are obsolete.
Part IV - Acceptance Conditions

37. Terms and Conditions, when included, are located at the end of the 1610-1, or as an attachment.

Part V - Offer and Acceptance

Note: A) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants and IA Management Division for Headquarters agreements or to the appropriate EPA Regional IA administration office within 3 calendar weeks after receipt or within any extension of time that may be granted by EPA. The agreement/amendment must be forwarded to the address cited in item 29 after acceptance signature.

Failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency after the document is signed by the EPA Award Official, which the Award Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

B) For Funds-In actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IA administration office for signature and acceptance on behalf of the EPA. EPA will return one original copy after acceptance returned to the other agency after acceptance.

<table>
<thead>
<tr>
<th>EPA IA Administration Office (for administrative assistance)</th>
<th>EPA Program Office (for technical assistance)</th>
</tr>
</thead>
<tbody>
<tr>
<td>38. Organization/Address</td>
<td>39. Organization/Address</td>
</tr>
<tr>
<td>U.S. Environmental Protection Agency</td>
<td>US Environmental Protection Agency</td>
</tr>
<tr>
<td>IASSC East</td>
<td>ORD - Office of Research and Development</td>
</tr>
<tr>
<td>1200 Pennsylvania Avenue, NW Mail code 3903R</td>
<td>26 W. Martin Luther King Drive</td>
</tr>
<tr>
<td>Washington, DC 20460</td>
<td>Cincinnati, OH 45268</td>
</tr>
</tbody>
</table>

Award Official on Behalf of the Environment Protection Agency

40. Digital signature applied by EPA Award Official | FOR Frank N. Roth - Chief Fellowship IA & SEE Branch
Lenore Connell - AO delegate

Date 09/30/2014

Authorizing Official on Behalf of the Other Agency

41. Signature
Typed Name and Title
Donna Hutton, Contracting Officer Date 09/25/2014

EPA Form 1610-1 (Rev. 11-09) Previous editions are obsolete