

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Cost Plus Fixed Fee

Page 1 Of 5

2. Amendment/Modification No. P00009	3. Effective Date 2013DEC17	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND JENNIFER PRUENTE WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: JENNIFER.PRUENTE@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA DAYTON AREA C, BUILDING 30 1725 VAN PATTON DRIVE WRIGHT-PATTERSON AFB, OH 45433-5302	Code S3605A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) ASHLAND INC. 50 E RIVERCENTER BLVD STE 1600 COVINGTON, KY 41011-1683	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-07-C-0211
	<input type="checkbox"/>	10B. Dated (See Item 13) 2007APR24

Code 4NK87 Facility Code

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 amendments; (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 ACKNOWLEDGMENT 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)
NO CHANGE TO OBLIGATION DATA

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.**

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input checked="" type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A 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) LYNN M. BYRNE LYNN.M.BYRNE@US.ARMY.MIL (586)282-6553		
15B. Contractor/Offeror (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2013DEC17

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 5**

PIIN/SIIN W56HZV-07-C-0211

MOD/AMD P00009

Name of Offeror or Contractor: ASHLAND INC.

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: JENNIFER PRUENTE
Buyer Office Symbol/Telephone Number: CCTA-ASG-C/(586)282-9608
Type of Contract: Cost Plus Fixed Fee
Kind of Contract: Research and Development Contracts
Type of Business: Large Business Performing in U.S.
Surveillance Criticality Designator: C
Weapon System: No Identified Army Weapons Systems

*** End of Narrative A0000 ***

PREVIOUS NEGOTIATED AGREEMENT VALUE: \$1,683,994.00
NEGOTIATED VALUE OF THIS ACTION: \$ 0.00
TOTAL NEGOTIATED AGREEMENT VALUE: \$1,683,994.00

PREVIOUS OBLIGATED AMOUNT: \$1,683,994.00
OBLIGATED AMOUNT THIS ACTION: \$ 0.00
TOTAL OBLIGATED AGREEMENT AMOUNT: \$1,683,994.00

1. The purpose of no-cost bilateral Modification P00009 is to extend the period of performance by four (4) months from 06 MAY 2014 to 06 SEP 2014.

2. As a result of this Modification P00009, the following changes are hereby made to this contract:

<u>SECTION</u>	<u>Description</u>
B	Revise the performance completion date on SubCLIN 0001AC.
F	Revise paragraph F.1.1 to reflect the new period of performance.
J	Revise CDRL A004 to reflect the new delivery date.

3. As a result of Modification P00009, the total obligated value remains unchanged.

4. Except as specifically provided in Modification P00009, all other terms and conditions remain unchanged.

*** END OF NARRATIVE A0009 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-07-C-0211 MOD/AMD P00009

Name of Offeror or Contractor: ASHLAND INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
0001	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>NANOPARTICLES RESEARCH & DEVELOPMENT</u></p> <p>Contractor shall furnish all the supplies and services to accomplish the task specified in Section C Scope of Work.</p> <p>Est. Cost: \$2,289,943.00 Fixed Fee: <u>114,498.00</u> Total Amount: \$2,404,441.00</p> <p>(End of narrative B002)</p>													
0001AC	<p><u>NANOPARTICLES RESEARCH & DEVELOPMENT</u></p> <p>SERVICE REQUESTED: 4D49 NANOFUIDS-ASHLAND INC CLIN CONTRACT TYPE: Cost Plus Fixed Fee PRON: R392C051R3 PRON AMD: 03 ACRN: AC AMS CD: 622601T2600</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>06-SEP-2014</td> </tr> </table> <p>\$ 720,447.00</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	06-SEP-2014	1	LO	Estimated Cost Fixed Fee Not to Exceed (Funding)	\$ <u>0.00</u> \$ <u>0.00</u> \$ <u>720,447.00</u>
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	1	06-SEP-2014												

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 4 of 5****PIIN/SIIN** W56HZV-07-C-0211**MOD/AMD** P00009**Name of Offeror or Contractor:** ASHLAND INC.

SECTION F - DELIVERIES OR PERFORMANCE

F.1 Period of Performance

F.1.1 All effort required under this contract, including delivery of the final technical report, shall be completed no later than *06 SEP 2014.

F.2 Data Deliverables

F.2.1 Delivery of data set forth in the contract shall be in accordance with the Contract Data Requirements List, DD Form 1423.

F.3 Material / Hardware Deliverables

F.3.1 All materials / hardware, including the sample products, required to be delivered under the contract shall be delivered, at the time of contract completion or at a time to be mutually agreed upon with the COR, FOB Destination to the following address:

Commander

U.S. Army RDECOM-TARDEC
ATTN: Jill M. Bramer & Bridget Dwornick
AMSRD-TAR-D/MS 110
6501 E. 11 Mile Road
Warren, MI 48397-5000

* Revised pe Modification P00009

*** END OF NARRATIVE F0001 ***

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 5 of 5****PIIN/SIIN** W56HZV-07-C-0211**MOD/AMD** P00009**Name of Offeror or Contractor:** ASHLAND INC.

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACT DATA REQUIREMENTS LIST (CDRL) DD 1423	12-NOV-2013	003	

CONTRACT DATA REQUIREMENT LIST

Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO...:
B. EXHIBIT.....: A
C. CATEGORY.....:
D. SYSTEM/ITEM.....: Research & Development - Nanofluids
E. CONTRACT/PR NO.....: W56HZV-07-C-0211
F. CONTRACTOR.....: Valvoline, Inc

1. DATA ITEM NO.: A001
2. TITLE OF DATA ITEM.....: Contractor's Progress Status and Management Report
3. SUBTITLE:
4. AUTHORITY: DI-MGMT-80227(T) (see 16a. below)
5. CONTRACT REFERENCE.....: C.3.3.1, C.6.3.1
6. REQUIRING OFFICE.....: AMSRD-TAR-D / MS 110
7. DD250 REQ: LT
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED:
10. FREQUENCY.....: Monthly
11. AS OF DATE.....:
12. DATE OF FIRST SUB.....: 120 DAC
13. DATE OF SUBS. SUB.....:
14. DISTRIBUTION ADDRESSEES: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:
JILL M. BRAMER, CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: jill.m.bramer.civ@mail.mil
BRIDGET DWORNICK, ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: bridget.l.dwornick.civ@mail.mil
Jennifer Prunte, CONTRACT SPECIALIST, E-MAIL: jennifer.s.pruente.civ@mail.mil
ADMINISTRATIVE CONTRACTING OFFICER: DCMA-Dayton, DCMAA-ACOB E-MAIL: TBD
15. TOTAL.....:
16. REMARKS.....: DI-MGMT-80227 is tailored by deleting 10.2, 10.3(j) 10.3(k), and 10.3(l).
17. PRICE GROUP.....:
18. ESTIMATED TOTAL PRICE..:

1. DATA ITEM NO.....: A002
2. TITLE OF DATA ITEM.....: Index and Summary
3. SUBTITLE.....:
4. AUTHORITY.....:
5. CONTRACT REFERENCE.....: C.3.2.1.1.1, 3.2.1.1.2, 3.2.1.2.1, 3.3.2.1, 3.3.2.2, 3.3.2.3
6. REQUIRING OFFICE.....: AMSTA-TR-D/MS 110
7. DD 250 REQ.....: LT
8. APP CODE.....:
9. DIST. STATEMENT REQUIRED:
10. FREQUENCY.....:
11. AS OF DATE.....:
12. DATE OF FIRST SUBMISSION: SEE BLK 16
13. DATE OF SUBS.....: SEE BLK 16
14. DISTRIBUTION/ A. ADDRESSEE
B. COPIES DRAFT / FINAL
JILL M. BRAMER, CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: jill.m.bramer.civ@mail.mil 1 / 1
BRIDGET DWORNICK, ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: bridget.l.dwornick.civ@mail.mil
15. TOTAL.....: 1 / 1
16. REMARKS *120 days after contract award provide, in contractor format, an index of all previously evaluated nanoparticles and summary of findings, a list of the nanoparticles selected for this work and why they were chosen, an index of dispersion systems developed for the specific nanoparticles chosen.

1. DATA ITEM NO.....: A003
2. TITLE OF DATA ITEM.....: Test Plan
3. SUBTITLE.....:
4. AUTHORITY.....: DI-NDTI-80566
5. CONTRACT REFERENCE.....: C.3.2.1.3.2, C.3.2.1.4.2, C.3.2.1.6.1, C.3.3.4, C.6.3.2
6. REQUIRING OFFICE.....: AMSTA-TR-D/MS110
7. DD 250 REQ.....: LT
8. APP CODE.....:
9. DIST. STATEMENT REQUIRED:
10. FREQUENCY.....: ASREQ
11. AS OF DATE.....:
12. DATE OF FIRST SUBMISSION: SEE BLK 16
13. DATE OF SUBS.....: SEE BLK 16
14. DISTRIBUTION/ A. ADDRESSEE

B. COPIES DRAFT / FINAL

JILL M. BRAMER, CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: jill.m.bramer.civ@mail.mil, 1 / 1
BRIDGET DWORNICK, ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: bridget.l.dwornick.civ@mail.mil
15. TOTAL.....: 1 / 1

16. REMARKS The Test Plan shall be electronically delivered (email or CD) in an editable and printable digital format. Draft Test Plan delivered 60 days prior to Test and Demonstration *or as directed in Section C*; Government to review and provide comments 30 days after receipt of draft. FINAL Test Plan delivered 15 days after receipt of Government comment

-
1. DATA ITEM NO.: A004
 2. TITLE OF DATA ITEM : SCIENTIFIC AND TECHNICAL REPORT
 3. SUBTITLE: DRAFT/FINAL TECHNICAL REPORT
 4. AUTHORITY: DI-MISC-80711A(T) (see 16a. below)
 5. CONTRACT REFERENCE.....: C.3.3.6, C.3.4.3, C.3.3.11, C.6.3.3, C.6.3.4
 6. REQUIRING OFFICE: AMSRD-TAR-D / MS 110
 7. DD250 REQ: DD
 8. APP CODE: A
 9. DIST. STATEMENT REQUIRED:
 10. FREQUENCY.....: SEE ITEM 16
 11. AS OF DATE.....:
 12. DATE OF FIRST SUB.....: SEE ITEM 16
 13. DATE OF SUBS. SUB.....: SEE ITEM 16
 14. DISTRIBUTION ADDRESSEE: SUBMIT REPORTS ELECTRONICALLY TO THE E-MAIL ADDRESSES SHOWN IMMEDIATELY BELOW:
JILL M. BRAMER, CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: jill.m.bramer.civ@mail.mil DRAFT/FINAL 1/1
BRIDGET DWORNICK, ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: bridget.l.dwornick.civ@mail.mil
Jennifer Prunte, CONTRACT SPECIALIST, E-MAIL: jennifer.s.prunte.civ@mail.mil DRAFT/FINAL 0/1
ADMINISTRATIVE CONTRACTING OFFICER: DCMA-Dayton, DCMMA-ACOB E-MAIL: TBD 0/1
 15. TOTAL.....: 1/3
 16. REMARKS:

a. DI-MISC-80711A is tailored by deleting 10.2.

b. The Draft of the Final Technical Report shall be delivered *by 06 AUG 2014. The Government will review and respond within 30 days of receipt. The contractor shall submit the Final Technical Report within 30 days after receipt of draft comments/approval.

17. PRICE GROUP.....:
18. ESTIMATED TOTAL PRICE...:

*Revised per Mod P00009

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1. DATA ITEM NO. A005
 2. TITLE OF DATA ITEM.....: Test Report
 3. SUBTITLE.....:
 4. AUTHORITY.....: MIL-HDBK-831
 5. CONTRACT REFERENCE.....: C.3.2.1.6.2, C.3.2.1.6.3, C.3.3.8, C.3.3.9,C.3.3.9.1, C.3.3.10
 6. REQUIRING OFFICE.....: AMSTA-TR-D/MS110
 7. DD 250 REQ.....: LT
 8. APP CODE.....:
 9. DIST. STATEMENT REQUIRED.:
 10. FREQUENCY.....: ASREQ
 11. AS OF DATE.....:
 12. DATE OF FIRST SUBMISSION: SEE BLK 16
 13. DATE OF SUBS.....: SEE BLK 16

14. DISTRIBUTION/ A. ADDRESSEE B. COPIES DRAFT / FINAL

JILL M. BRAMER, CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: jill.m.bramer.civ@mail.mil 1 / 1

BRIDGET DWORNICK, ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE, E-MAIL: bridget.l.dwornick.civ@mail.mil

15. TOTAL.....: 1 / 1

16. REMARKS The Test Report shall be electronically delivered (email or CD) in an editable and printable digital format. Draft Test Report delivered 60 days after Test and Demonstration; Government to review and provide comments 30 days after receipt of draft. FINAL Test Plan delivered 15 days after receipt of Government comments.

THE FOLLOWING INSTRUCTION APPLIES TO ALL REPORTS DELIVERABLE UNDER THE CONTRACT

Prepare the reports in Contractor format. Submit the reports using any of the following electronic formats:

- (1) Files readable using these Microsoft* Office XP or Microsoft* Office 2002 & lower Products: Word, Excel, PowerPoint, or Access. Spreadsheets must be sent in a file format that includes all formulae, macro and format information. Print or scan images of spreadsheets are not acceptable. Please see security note below for caution regarding use of macros.
- (2) Files in Adobe PDF (Portable Document Format). When scanning documents, scanner should be set to 200 dots per inch.
- (3) Files in HTML (Hypertext Markup Language) Format. HTML documents must not contain active links to Internet websites or web pages for reference information. All linked information must be contained within your electronic report, and be accessible offline.
- (4) Other electronic formats. Before preparing your report in any other electronic format, please e-mail the COR, with an e-mail copy-furnished to amsta-idq@tacom.army.mil, to obtain a decision as to the format's acceptability. This e-mail must be received by the COR not later than ten (10) calendar days before the draft report's due date. All alternate methods must be at no cost to the Government.
- (5) Please note that we can no longer accept .zip files due to increasing security concerns.

NOTE. Macros: The virus scanning software used by our e-mail systems cannot always distinguish a macro from a virus. Therefore, sending a macro embedded in an e-mail message or an e-mail attachment may cause the e-mail report to be quarantined.

d. Acceptable media: The Contractor shall submit reports via e-mail. If e-mail is not workable, another acceptable media is a 650 megabyte CD ROM. Identify the software application and version used to create each file submitted.

- (1) E-MAIL. Maximum size of each e-mail message shall be three and one-half (3.5) megabytes. Previously "zipped" files were accepted, but due to security concerns these zipped attachments cannot be received through our mail system. You may use multiple e-mail messages if necessary, however, you must annotate the subject lines in this manner: "Message 1 of 3, 2 of 3, 3 of 3."
- (2) 650 MEGABYTE CD ROM to be delivered via U.S. Mail or other carrier. The Contractor shall label all submitted disks with the Contract number, the Contractor's name and address, and a contact's phone number. Exterior mailing envelopes containing disks must be addressed to the following address:

U.S. Army TACOM Life Cycle Management Command (TACOM LCMC)
Attn: Jill M. Bramer and Bridget Dwornick
AMSRD-TAR-D/ MS 110
6501 East 11 Mile Road
Warren, MI 48397-5000

NOTE: Please select only one type of electronic media to transmit each report. For instance, do not submit a report via e-mail and CD-ROM.