

2. AMENDMENT/MODIFICATION NO. 046	3. EFFECTIVE DATE 12/16/2011	4. REQUISITION/PURCHASE REQ. NO. 12NA000128	5. PROJECT NO. (if applicable)
6. ISSUED BY NNSA/Nevada Site Office U.S. Department of Energy NNSA/Nevada Site Office P.O. Box 98518 Las Vegas NV 89193-8518	CODE 05002	7. ADMINISTERED BY (if other than Item 6) NNSA/Nevada Site Office U.S. Department of Energy NNSA/Nevada Site Office P.O. Box 98518 Las Vegas NV 89193-8518	CODE 05002

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) PAI CORPORATION Attn: DOAN PHUNG 116 MILAN WAY OAK RIDGE TN 378306913	EXECUTED COPY
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CODE 173510017 FACILITY CODE	(x) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC52-07NA99344 10B. DATED (SEE ITEM 13) 12/07/2006
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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) See Schedule	Net Increase:	\$108,800.00
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13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

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. 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 Mutual Agreement of the Parties
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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.)
 Tax ID Number: 62-1169929
 DUNS Number: 173510017
 The purpose of this modification is to incorporate the Work For Other (WFO) Vulnerability Assessment (VA) for Defense Threat Reduction Act (DTRA), the estimated amount is not to exceed \$550,000.00. Incremental funding in the amount of \$108,800.00, for WFO, VA for DTRA is provided. All other terms and conditions remain unchanged.

LIST OF CHANGES:
 Reason for Modification : Supplemental Agreement for work within scope. WFO, DTRA, VA, IACRO # 11-4622I, see attached Statement Of Work, dated Sept 19, 2011.

Obligated Amount for this Modification: \$108,800.00
 Continued ...

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) Lillian G. Minor
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer)	16C. DATE SIGNED 12/16/2011

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC52-07NA99344/046

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NAME OF OFFEROR OR CONTRACTOR
PAI CORPORATION

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Total Obligated Amount for this Award: \$18,559,157.41 Incremental Funded Amount changed: from \$18,450,357.41 to \$18,559,157.41 CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: \$108,800.00</p> <p>WFO incremental funding provided below:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 01055 2012 01 100260 25105 1720318 0000000 1032906 0000000 Fund 01055 Appr Year 2012 Allottee 01 Reporting Entity 100260 Object Class 25105 Program 1720318 Project 0000000 WFO 1032906 Local Use 0000000 Quantity: 0 Amount: \$108,800.00 Percent: 2.4748 Subject To Funding: N Payment Address:</p> <p>FOB: Destination Period of Performance: 12/07/2006 to 03/07/2012</p>				