

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF PAGE 2
2. AMENDMENT/MODIFICATION NO. M002		3. EFFECTIVE DATE See Block 16(c)	4. REQUISITION/PURCHASE REQ. NO. RES-09-174 RES-C10-554	5. PROJECT NO. (if applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sharon M. Lim Mail Stop: TWB-01-B10M Washington, DC 20555		CODE 3100	7. ADMINISTERED BY (if other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555	CODE 3100	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) HAJJAR, JEROME 3 LITCHFIELD LN CHAMPAIGN IL 618207314			(X) 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-DR-04-09-174 10B. DATED (SEE ITEM 13) 09-06-2009		
CODE 831753566 FACILITY CODE			X		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<p>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.</p> <p>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:</p> <p>(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 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.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (if required) B&R: 060-15-171-103, Job Code: N6929, BOC: 252A, Appropriation No: 31X0200.060, Obligate: \$32,000.00 FFS: RES-C10-554					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
(X) 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 data, 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: Mutual Agreement of the Parties					
X					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The following changes are hereby incorporated into Purchase Order No: NRC-DR-04-09-174: (SEE ATTACHED CONTINUATION PAGE) Period of Performance: 9/6/09 - 5/19/10 (unchanged) Order Obligation: \$58,892.00 (changed) Order Ceiling: \$58,892.00 (changed)					
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) Jerome T. Hajjar, Professor			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharon M. Lim Contracting Officer		
15B. CONTRACTOR/OFFICER (Signature of person authorized to sign)			16B. UNITED STATES OF AMERICA BY Sharon M. Lim (Signature of Contracting Officer)		
15C. DATE SIGNED 3/9/10			16C. DATE SIGNED 3/11/10		

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PREVIOUS EDITION NOT USABLE

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

MAR 11 2010

SUNSI REVIEW COMPLETE

TEMPLATE - ADM001

ADM002

The following changes are hereby incorporated into Purchase Order No: NRC-DR-04-09-174:

1. The revised SOW contained as Attachment One to this modification is hereby incorporated into the purchase order. This revised SOW supplements the original SOW attached to the initial purchase order document.
2. **Item 001 – Senior Principal Engineer** – The number of hours is hereby increased by 120 hours from 120 hours to 240 hours, thereby increasing the dollar value of Item 001 by \$24,000.00 from \$24,000.00 to \$48,000.00.
3. **Item 002 – Travel (Cost Reimbursement – Not to Exceed)** – The dollar amount for travel is hereby increased by \$8,000.00 from \$2,892.00 to \$10,892.00.
4. As a result of the above changes to Items 001 and 002 the total dollar value and ceiling of the purchase order are hereby increased by \$32,000.00 from \$26,892.00 to \$58,892.00.
5. As a result of the above changes to Items 001 and 002 the obligation of the purchase order is hereby increased by \$32,000.00 from \$26,892.00 to \$58,892.00.
6. All other terms and conditions of Purchase Order No: NRC-DR-04-09-174 hereby remain unchanged and in full force and effect.

REVISED STATEMENT OF WORK

TITLE: Review of Design Methodology for Safety-Related Nuclear Power Plant Structures of Modular Composite Construction

This is an in-scope change. There is no change to the Background, Objective and Scope of Work (Tasks and task descriptions). The only changes are to the Level of Effort, Reporting Requirements, Deliverables, Schedules, Travel and NRC-Furnished Materials as indicated below.

PERIOD OF PERFORMANCE

The estimated period of performance for the entire project is 8.5 months.

LEVEL OF EFFORT

The estimated level of effort in terms of staff hours, for staff with the level of experience required for the proposed modification is 120 hours.

REPORTING REQUIREMENTS

The reporting requirements for this modification for each member of the peer-review group are as follows:

- i) Participation at technical meetings and conference calls with oral communication of findings and follow-on written summaries as applicable.
- ii) Draft letter report with summary of the review by the group member of the modified shield building design to be submitted no later than 21 days after the submittal of the report of the modified design to the NRC.
- iii) Final letter report with a summary of the findings by the group member to be provided 21 days before the end of the purchase order.

DELIVERABLES/SCHEDULES AND/OR MILESTONES

Anticipated project deliverables and related milestones are as follows:

- i) Participation in person or by teleconference at technical meetings with the NRC staff or public meetings with the vendors for a total of four meetings to be followed by applicable written comments.
- ii) Draft report with summary of review by the group member of the modified shield building design to be submitted no later than 21 days after the submittal of the report of the modified design to the NRC.
- iii) Final letter report by each member of the peer-review group with a summary of the findings by that group member to be submitted 21 days before the end of the contract.

MEETINGS AND TRAVEL

It is estimated that four trips for up to three days each (two night hotel stay) for one person to Rockville, MD will be required. The purpose of the trips is to attend technical meetings with the

NRC staff and other contractors, as well as possible public meetings with the vendor. One trip may be required to West Lafayette, Indiana, to observe testing or test specimens.

NRC-FURNISHED MATERIAL

The NRC will provide each Contractor with the information listed below.

- (a) Technical reports and briefings provided by the vendor detailing the design, design methodology, analysis and testing for the modified shield building design.
- (b) Relevant information provided by the vendor in response to requests for additional information, as well as additional supplemental reports by the vendor with additional analysis, testing plans, description of tests, and results of the tests.

TECHNICAL DIRECTION

Technical direction will be provided by the Project Officer, Dr. Jose A. Pires, who can be reached at:

Mail Stop: C5A24M
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555-0001

Phone: (301) 251-7696
Fax: (301) 251-7594
Email: Jose.Pires@nrc.gov

Express mail should be sent to:
U. S. Nuclear Regulatory Commission
Mail Stop: C05A24M
11545 Rockville Pike
Rockville, MD 20852-2738