

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

BPA NO. 1. CONTRACT ID CODE PAGE 1 OF PAGE 3

2. AMENDMENT/MODIFICATION NO. M009  
 3. EFFECTIVE DATE See block 16c  
 4. REQUISITION/PURCHASE REQ. NO. RES-12-241  
 5. PROJECT NO. (if applicable)

6. ISSUED BY CODE 3100 U.S. Nuclear Regulatory Commission  
 Div. of Contracts  
 Attn: Adelis M Rodriguez, 301-492-3623  
 Mail Stop: TWB-01-B10M  
 Washington, DC 20555  
 7. ADMINISTERED BY (if other than item 6) CODE 3100  
 U.S. Nuclear Regulatory Commission  
 Div. of Contracts  
 Mail Stop: TWB-01-B10M  
 Washington, DC 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
 UNIVERSITY OF TEXAS AT AUSTIN  
 101 EAST 27TH STREET STE 4308  
 AUSTIN TX 787121500  
 CODE 170230239 FACILITY CODE  
 9A. AMENDMENT OF SOLICITATION NO.  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-09-134  
 10B. DATED (SEE ITEM 13) 09-01-2009

**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 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) B&R: 2012-60-17-6-161 JCN: N6828 BOC: 252A  
 APPR NO: 31X0200 FAIMIS: 122577 DUNS: 170230239  
 NAICS: 541712 PSC: R499 OBLIGATE: \$49,191.54

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

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: FAR 43.103 (a) Bilateral Contract Modification  
 D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  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 purpose of this contract modification is to increase the obligated amount by \$49,191.54 from \$341,054.46 to \$390,246.00, to extend the period of performance through 2/15/13 at no additional cost to the government and to revise the deliverable schedule.  
 See following pages for details.

Contract Ceiling: \$390,246.00 (unchanged)  
 Total Obligated Amount: \$390,246.00 (changed)  
 Period of Performance: 09/01/2009 - 02/15/2012 (changed)

Except as provided herein, all terms and conditions of the document referenced in item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) David Hawkins, Associate Director  
 Office of Sponsored Projects  
 15B. CONTRACTOR OFFEROR (Signature of person authorized to sign)  
 16C. DATE SIGNED 8.1.2012  
 18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Adelis M Rodriguez  
 Contracting Officer  
 18B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)  
 16C. DATE SIGNED 7/26/12

NSN 7540-01-162-8070 PREVIOUS EDITION NOT USABLE

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

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

AUG 06 2012

ADM002

The purpose of this contract modification is to increase the obligated amount by \$49,191.54 from \$341,054.46 to \$390,246.00 and to extend the period of performance through 2/15/13 to allow NRC staff to provide comments on draft reports and to allow the University to be able to incorporate those comments into the final versions of the reports and to revise the deliverable schedule. This extension is at no additional cost to the government. Accordingly, the contract is modified as follows:

1. Paragraph (b) of, Section B.3 entitled: "Consideration and Obligation Cost Reimbursement – Alternate I (Jun 1988), is revised to the following:  
 "(b) The amount presently obligated by the Government with respect to this contract is \$390,246.00."
2. Section IX. Of the statement of work (Section C of the contract) entitled: "Deliverable Schedule and / or Milestones" is revised to read as follows:

IX. DELIVERABLES/SCHEDULES AND/OR MILESTONES

The contractor shall provide the following deliverables as part of this contract:

Related Task	Deliverable Name	Original Due date	Revised due date
1	EQL-FD modification to STRATA	December 2009 – exact date TBD	
1*	Revised documentation for program	December 2009 – exact date TBD	
2	Site-specific AF predictive model for STRATA	Spring 2010 – exact date TBD	
2*	Documentation for the Model	Spring 2010 – exact date TBD	
3	Modified RVT site response software	Summer 2010 – exact date TBD	
3	One day training session at NRC HQ	Summer 2010 – exact date TBD	February 1, 2013
4*	White paper on incorporating parametric variability in sire response analyses	Fall 2010 – exact date TBD	
5*	White paper on comparison of 1-D and 2-D simulations	Summer 2011 – exact date TBD	December 31, 2012
6	Presentation at NRC on Tasks 4 and 5	Fall 2011 – exact date TBD	February 1, 2013
7*	Report on modeling variability	Winter 2012 – exact date TBD	December 2012 (draft)
7	Presentation at the NRC on the research report	Winter 2012 – exact date TBD	February 1, 2013
8*	White paper on implementation of Approach 3	Spring 2012 – exact date TBD	December 2012 (draft)
8	Final Presentation at NRC	Spring 2012 – exact date TBD	February 1, 2013
Section F.4 and F.5 of the terms and conditions	Monthly technical and financial status report	By the 20 <sup>th</sup> of each month	

\*For each of the white papers and documentation reports, the contractor shall provide the NRC a draft version of these documents for review and comments. The NRC will have 5 business days to review the document and provide feedback to the contractor to be incorporated into these reports.

3. Section F.6 of the contract entitled: "Duration of Contract Period (MAR 1987) is revised to read as follows:  
"This contract shall commence on September 1, 2009 and expire on February 15, 2013."

All other terms and conditions remain the same.