

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF 3
2. AMENDMENT/MODIFICATION NO. M004	3. EFFECTIVE DATE 08-21-2013	4. REQUISITION/PURCHASE REQ. NO. NMS-13-087		5. PROJECT NO. (if applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sharlene McCubbin Mail Stop: 3WPN-05C64MP Washington, DC 20555	CODE 3100	7. ADMINISTERED BY (if other than item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sharlene McCubbin Mail Stop: 3WPN-05C64MP Washington, DC 20555		CODE 3100	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SOUTHWEST RESEARCH INSTITUTE S W R I 6220 CULEBRA RD SAN ANTONIO TX 782385166			(X)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-12-C-02-0089 NRCT009	
CODE 007936842			FACILITY CODE	10B. DATED (SEE ITEM 13) 11-30-2012	

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) DUNS: 007936842 NAIC 562211 PSC: R499 B&R: 13-50-334-151
 JCN: J5662 APPN:31X0200 FAIMIS: 133201 OBLIGATE:\$215,000.00
 JCN: J5662 APPN:31X0200 FAIMIS: 133203 OBLIGATE:\$574,812.00

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 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:
X	D. OTHER (Specify type of modification and authority) FAR 52.232-20 "Limitation of Cost" FAR 52.243-2 "Changes-Cost Reimbursement"

E. IMPORTANT: Contractor is not, is required to sign this document and return ¹ _____ copies to the issuing office.


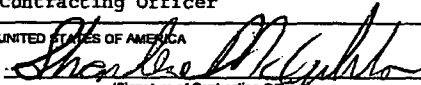
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is 1) to revise the Statement of Work, 2) to increase the task order ceiling by \$39,981 from \$2,169,831 to \$2,209,812 3) to increase funding by \$789,812 from \$1,420,000 to \$2,209,82, 4) to revised Section A.8 (a) 2052.215-78 TRAVEL APPROVALS AND REIMBURSEMENT -ALTERNATE 1 (OCT 1999).

See page two (2) for details.

Ceiling Amount: \$2,209,812 (CHANGED)
 Obligated Amount \$2,209,812 (CHANGED)
 Period of Performance: 10/01/2012 to 11/30/2013 (CHANGED)
 All other terms and conditions remain unchanged.

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) R. B. Kalmbach Executive Director, Contracts		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sharlene McCubbin Contracting Officer	
15B. CONTRACTOR/DEFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 08/26/13	15B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	15C. DATE SIGNED 8/26/2013

NSN 7540-01-152-8070
PREVIOUS EDITION NOT USABLE

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

SUNSI REVIEW COMPLETE

SEP 05 2013

TEMPLATE - ADM001

ADM002

The purpose of this modification is 1) to revise the Statement of Work, 2) to increase the task order ceiling by \$39,981 from \$2,169,831 to \$2,209,812 3) to increase funding by \$789,812 from \$1,420,000 to \$2,209,812, 4) to revised Section A.8 (a) 2052.215-78 TRAVEL APPROVALS AND REIMBURSEMENT -ALTERNATE 1 (OCT 1999).

Task Order NRCT009 under Contract NRC-HQ-12-C-02-0089 is hereby modified as follows:

1. Attachment No. 1: Technical Direction to revised Statement of Work. The Contractor's proposal dated August 21, 2013 incorporates the changes in accordance with this direction.
2. Section A.2 CONSIDERATION AND OBLIGATION-COST-PLUS-AWARD-FEE (AUG 2011) is hereby revised as follows:
 - (a) The total estimated cost to the Government for full performance of this contract is **\$2,209,812**, of which the sum of **\$2,010,154** represents the estimated reimbursable costs, and of which **\$79,861** represents the base fee.
 - (b) An award fee pool of **\$119,797** is hereby established for this task order. Evaluation of award fee earned will be accomplished in accordance with the attached Award Fee Plan (AFP). The Government reserves the right to unilaterally change the content of the AFP at any time during the life of this contract. Any changes to the plan will be furnished to the Contractor prior to the date they become effective. The amount of award fee available for each period of evaluation and the amount of time for each period will be set forth in the AFP. The final evaluation and determination as to the amount of award fee earned during an evaluation period shall be made unilaterally by the Fee Determination Official (FDO). The Contractor shall be advised of the award fee decision by letter which shall include the rationale for reaching the decision.
 - (c) The amount obligated by the Government with respect to this task order is **\$2,209,812**.
 - (d) This is a fully-funded contract and FAR 52.232-20 – "Limitation of Cost" applies.
3. Paragraph (a) of Section A.8 2052.215-78 TRAVEL APPROVALS AND REIMBURSEMENT – ALTERNATE 1 (OCT 1999) is hereby revised as follows:
 - (a) Total expenditure for travel may not exceed **\$27,382** without the prior approval of the contracting officer.

ATTACHMENT 1 TECHNICAL DIRECTION CHANGE TO STATEMENT OF WORK

The following direction is given to change the statement of work.

The Center is requested to restore the six (6) sub-tasks for Task Order 9, Disposal Related Activities, to their planned level of activities before the NRC technical direction dated April 30, 2013. Spending for the remainder of FY13 should therefore follow the original spending plan to the extent practicable. In addition, a minimum of two months carryover should be set aside for FY14. Planning for the six subtasks should consider FY13 activities and continuity of work into FY14.

For sub-task 1, DECOVALEX, the technical report describing the HE-D model and results, should proceed as planned. Discussions with the NRC sub-task team lead should help to constrain the extent of the report to priorities that consider the remaining DECOVALEX Task 81 steps. Due date of the deliverable remains to be determined. Specific directions on near term model development and application will be given by NRC sub-task team lead.

For sub-task 2, SIMFUEL, and sub-task 3, copper and carbon steel corrosion experiments, the test plans need to be resubmitted to NRC for approval before the experiments may proceed. Discussions with the NRC sub-task team lead should help to expedite the planning and progress of the experiments. Specific directions on near term laboratory experiments will be given by NRC sub-task team lead.

For sub-task 4, alternative disposal in different geologic environments, model development for salt rock thermomechanical behavior should proceed as planned. Previously planned deliverables, for salt rock repository and lava flow, should resume the revision schedule. Specific directions on near term model development and application will be given by NRC subtask team lead.

For sub-task 5, decay chain processes, the Center should resubmit its plan, for NRC approval, to determine the uncertainty and variability related to radionuclide transport in various flow regimes and geologic media. Specific directions on near term model development and application will be given by NRC sub-task team lead.

For sub-task 6, system level model, specific guidance for further model development, applications, and data source review and implementation within the model will be given by NRC sub-task team lead.

The Center is requested to update the schedule of previously planned deliverables. Discussion with NRC Technical Project Manager in this regard should help for the planning.

The Center is also requested to submit to NRC a revised spending plan for the remaining of FY13 and the projected amount of carryover for FY14.