AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
M324	03-20-2012	NMS-12-036	

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Mail Stop: TWB-01-B20M Washington, DC 20555	3100	U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555	3100

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICITATION NO.
SOUTHWEST RESEARCH INSTITUTE		9B. DATED (SEE ITEM 11)
6220 CULEBRA RD SAN ANTONIO TX 782385166	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-02-07-006
CODE / FACILITY CODE	X	10B. DATED (SEE ITEM 13) 09-29-2007

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) See attachment

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) In accordance with FAR 52.232-22 - Limitation of Funds

E. IMPORTANT: Contractor [X] 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.)

The purpose of this modification is to add FY12 incremental funding in the amount of $150,000 for Job Code J5664.

(see attached pages)

All other terms and conditions remain unchanged and in full force and effect.

DUNS: 007936842 NAICS: 562211 PSC: R421 (code has since changed to R499)

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) Steve Pool Branch Chief, MSA	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 3/20/12

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

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

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM002

The purpose of this modification is to:

(1) obligate funds for this work in the amount of:

$150,000 under **Job Code J5664**

ACCOUNTING DATA:

Obligation:

B&R: 12-50-387-183 JC: J5664 BOC: 252A APPN: X0200 NMS-12-036 FAIMIS: 121674 $150,000

Accordingly, the following changes are made:

1. Sections B. 2. E. b., d., and e. are revised to obligate and authorize funding as specified above and as shown on the attached change pages 9 and 9b.

All other terms and conditions of this contract, including the ceiling amount for the fourth renewal period of $123,376,281.00, remain the same.

A summary of new obligations for the fourth renewal period of this contract is given below:

Job Code D1035 (HLW)
FY07 obligation amount: $2,762,990
FY08 obligation amount: $17,291,992.29
FY09 obligation amount: $18,405,809.11
FY10 obligation amount: $9,042,117.00
Cumulative total of NRC obligations for JC D1035 (HLW): $47,502,908.40

Job Code J5633 (Newhall Pass)
FY08 obligation amount: $117,792
FY09 obligation amount: $45,000
Cumulative total of NRC obligations for J5633: $162,792

Job Code J5608 (MacArthur Maze Fire)
FY08 obligation amount: $88,121
Cumulative total of NRC obligations for J5608: $88,121

Job Code J5562 (WIR)
FY08 obligation amount: $283,000
FY09 obligation amount: $500,000
FY10 obligation amount: $469,000
FY11 obligation amount: $628,968
FY12 obligation amount: $52,000
Cumulative total of NRC obligations for J5562: $1,932,968

Job Code J5639 (Comprehensive Assessment of Severe Road and Rail Transportation Accidents Involving Long Duration Fires)
FY09 obligation amount: $250,000
Cumulative total of NRC obligations for J5639: $250,000

Job Code J5606 (SFST TAD)
FY09 obligation amount: $190.89
Cumulative total of NRC obligations for J5606: $190.89

Job Code J5661 (Key Regulatory and Technical Issues)
FY10 obligation amount: $1,675,000
FY11 obligation amount: $3,972,000
Cumulative total of NRC obligations for JC J5661: $5,647,000

Job Code J5662 (BETA TPA and User Guide)
FY10 obligation amount: $1,675,000
FY11 obligation amount: $675,000
FY12 obligation amount: $100,000
Cumulative total of NRC obligations for JC J5662: $2,450,000

Job Code J5656 (Calvert Cliffs SFST)
FY10 obligation amount: $325,000
Cumulative total of NRC obligations for JC J5656: $325,000

Job Code F1191 (ETR)
FY10 obligation amount: $200,786
FY11 obligation amount: $411,343
FY12 obligation amount: $200,000
Cumulative total of NRC obligations for JC F1191: $812,129

Job Code J5664 (FCSS Technical Basis for Licensing Reprocessing Facilities)
FY10 obligation amount: $500,000
FY11 obligation amount: $710,000
FY12 obligation amount: **$225,000**
Cumulative total of NRC obligations for JC J5664: **$1,435,000**

Job Code J5670 (International Programs)
FY10 obligation amount: $400,000
FY11 obligation amount: $155,000
FY12 obligation amount: $25,000
Cumulative total of NRC obligations for JC J5670: $580,000

Job Code J5679 (Waste Confidence)
FY11 obligation amount: $2,180,000
Cumulative total of NRC obligations for JC J5679: $2,180,000
NOTE: Work previously under JC5661

Job Code J5682 (Regulatory Process Improvements)
FY11 obligation amount: $195,000
FY11 de-obligation amount: $20,000
Cumulative total of NRC obligations for JC J5682: $175,000

Job Code J5681 (Analytical Support for Regulation of Extended Storage)
FY11 obligation amount: $448,000
FY12 obligation amount: $16,000
Cumulative total of NRC obligations for JC J5681: $464,000

Job Code V6288 (Stress Corrosion Cracking Analysis of Dry Cask Storage Materials)
FY11 obligation amount: $650,000
Cumulative total of NRC obligations for JC J5681: $650,000

Job Code V6258 (Consequence Assessment of Extended Dry Cask Storage)
FY11 obligation amount: $112,000
FY12 obligation amount: $14,739
Cumulative total of NRC obligations for JC J5681: $126,739

Job Code J5705 (Quantitative Hazards Methods Development)
FY12 obligation amount: $400,000
Cumulative total of NRC obligations for JC J5705: $400,000

Job Code J5708 (Prairie Island Independent Spent Fuel Storage Installation License)
FY12 obligation amount: $50,000
Cumulative total of NRC obligations for JC J5708: $50,000

This modification obligates FY12 funds in the amount of $150,000.

e. Total amount authorized by Operations/Project Plans was as follows:

High-Level Waste (HLW)
Job Code: D1035
Amount: $82,000,000

Private Fuel Storage (PFS)
Job Code: J5226
Amount: $207,542

INEEL ISFSI-2
Job Code: J5410
Amount: $685,819.72

Diablo Canyon
Job Code: J5390
Amount: $482,753.90

Tunnel Fire Environment
Job Code: J5434
Amount: $65,712.26

Humboldt Bay
Job Code: J5501
Amount: $932,636.67

WIR DOE South Carolina and Idaho
Job Code: J5543
Total: $266,240.88
Job Code: J5562
Total: $1,642,953

MacArthur Maze Fire
Job Code: J5608
Total: $94,249

SFST TAD
Job Code: J5606
Total: $220,000

f. The total award fee available, the award fee earned thus far and the applicable evaluation period are as follows:

Evaluation Period	Available Award Fee	Award Fee Earned
22 9/28/02-9/26/03	[redacted]	[redacted]
23 9/27/03-9/24/04		
24 9/27/04-9/24/05		
25 9/30/05-9/29/06		
26 9/30/06-9/28/07		

Current Data

E. September 29, 2007 - September 28, 2012 (Fourth Renewal period, Contract No. NRC-02-07-006)

a. The total estimated ceiling amount of this Cost-Plus-Award-Fee type contract for the above mentioned period is $123,376,281.

b. The amount presently obligated by the Government with respect to this contract for this period is **$65,231,657.40**. In addition, carryover funds in the estimated amount of $3,727,149.29 are available for use in this renewal period as indicated below. The award fee pool will be as stated in the AFDP. The plan will reflect the actual award fee pool based on cumulative estimated costs for performance of approved

Environmental Tropical Report (ETR)
Job Code: F1191
New Funds: $50,000
Carryover: $0
Total: $812,129

International Programs
Job Code: J5670
New Funds: $580,000
Carryover: $0
Total: $580,000

FCSS Licensing Reprocessing Facilities
Job Code: J5664
New Funds: **$1,435,000**
Carryover: $0
Total: **$1,435,000**

Waste Confidence
Job Code: J5679
New Funds: $2,180,000
Carryover: $0
Total: $2,180,000

Regulatory Process Improvements
Job Code: J5682
New Funds: $175,000
Carryover: $0
Total: $175,000

Analytical Support for Regulation of Extended Storage
Job Code: J5681
New Funds: $464,000
Carryover: $0
Total: $464,000

Stress Corrosion Cracking Analysis of Dry Cask Storage Materials
Job Code: V6288
New Funds: $650,000
Carryover: $0
Total: $650,000

Consequence Assessment of Extended Dry Cask Storage
Job Code: V6258
New Funds: $14,739
Carryover: $0
Total: $126,739

Quantitative Hazards Methods Development
Job Code: J5705
New Funds: $400,000
Carryover: $0
Total: $400,000

Prairie Island Independent Spent Fuel Storage Installation License
Job Code: J5708
New Funds: $50,000
Carryover: $0
Total: $50,000

e. Total amount authorized by Operations Plan is as follows:

High-Level Waste (HLW)
Job Code: D1035
Amount: $45,135,442

Private Fuel Storage (PFS)
Job Code: J5226
Amount:

WIR DOE South Carolina and Idaho
Job Code: J5562
Amount: $2,222,392

MacArthur Maze Fire
Job Code: J5608
Amount: $125,210.16

Job Code: J5543
Amount: ($33,759.12)