

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF 3
2. AMENDMENT/MODIFICATION NO. MOD310		3. EFFECTIVE DATE See Blk 16C		4. REQUISITION/PURCHASE REQ. NO. SEE PAGE TWO for RFPA and FAIMIS #s		5. PROJECT NO. (If applicable)
8. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Valerie Whipple Mail Stop: TWB-01-B10M Washington, DC 20555		CODE 3100	7. ADMINISTERED BY (If other than Item 8) 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) SOUTHWEST RESEARCH INSTITUTE 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-02-07-006	
				X	10B. DATED (SEE ITEM 13) 10-15-1987	
CODE		FACILITY CODE				

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 PAGE 2 FOR ACCOUNTING INFORMATION

**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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <div style="text-align: right;">FAR 52.232-22 Limitation of Funds</div>
	D. OTHER (Specify type of modification and authority)


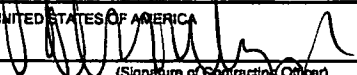
E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

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

Please see attached pages.

Duns: 007936842 NAICS: 562211 PSC: R421

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) Valerie Whipple Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 6/15/2011	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6/15/11

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

JUN 17 2011

TEMPLATE - ADM001

ADM002

The purpose of this modification is (1) to add a new task entitled "Integrated Spent Nuclear Fuel Regulatory Activities: Analytical Support for Regulation of Extended Storage," (2) to obligate funds for this work in the amount of **\$175,000** under Job Code J5681 and (3) to correct a typo on Page 9a.

ACCOUNTING DATA:

B&R: 11-50-336-199 JC: J5681 BOC: 252A APPN: x0200 NMS-11-041 FAIMIS: 112179 \$50,000
B&R: 11-50-336-199 JC: J5681 BOC: 252A APPN: x0200 NMS-11-058 FAIMIS: 112753 \$125,000

Accordingly, the following changes are made:

1. Sections B. 2. E. b., d, and e. are revised to obligate and authorize funding under the above job code as indicated above and as shown on the attached change pages 9, 9a, 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: \$319,500

Cumulative total of NRC obligations for J5562: \$1,571,500

**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

FY 11 obligation amount: \$1,450,000

Cumulative total of NRC obligations for JC J5661: \$3,125,000

Job Code J5662 (BETA TPA and User Guide)

FY10 obligation amount: \$1,675,000

FY11 obligation amount: \$250,000

Cumulative total of NRC obligations for JC J5662: \$1,925,000

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: \$222,373

Cumulative total of NRC obligations for JC F1191: \$423,159

Job Code J5664 (FCSS Technical Basis for Licensing Reprocessing Facilities)

FY10 obligation amount: \$500,000

FY11 obligation amount: \$400,000

Cumulative total of NRC obligations for JC J5664: \$900,000

Job Code J5670 (International Programs)

FY10 obligation amount: \$400,000

FY11 obligation amount: \$125,000

Cumulative total of NRC obligations for JC J5670: \$525,000

Job Code J5679 (Waste Confidence)

FY11 obligation amount: \$450,000

Cumulative total of NRC obligations for JC J5679: \$450,000

****NOTE: Work previously under JC5661****

Job Code J5682 (Regulatory Process Improvements)

FY11 obligation amount: \$150,000

Cumulative total of NRC obligations for JC J5682: \$150,000

Job Code J5681 (Analytical Support for Regulation of Extended Storage)

FY11 obligation amount: \$175,000

Cumulative total of NRC obligations for JC J5681: \$175,000

This modification obligates FY11 funds in the amount of \$175,000.

- 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:

<u>Evaluation Period</u>	<u>Available Award Fee</u>	<u>Award Fee Earned</u>
22 9/28/02-9/26/03	[REDACTED]	\$ [REDACTED]
23 9/27/03-9/24/04	[REDACTED]	\$ [REDACTED]
24 9/27/04-9/24/05	[REDACTED]	\$ [REDACTED]
25 9/30/05-9/29/06	\$ [REDACTED]	\$ [REDACTED]
26 9/30/06-9/28/07	[REDACTED]	[REDACTED]

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 **\$57,573,480.40**. 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 Operations Plans. The applicable base fee percentage is also described in the AFDP.

c. Evaluation of the award fee earned will be accomplished in accordance with the current AFDP (Attachment 11). Neither the determination as to the amount of fee available during a given period, the amount of award fee earned, nor the determination of the criteria under which the subject award fee will be made, shall be subject to FAR Subpart 52.233-1, entitled, "Disputes".

d. Total funds currently obligated by Job Code (JC) are as follows:

High-Level Waste (HLW)
Job Code: D1035
New Funds: \$47,502,908.40
Carryover: \$2,891,902.10
Total: \$50,394,810.50

Private Fuel Storage (PFS)
Job Code: J5226
New Funds:
Carryover:
Total:

WIR DOE South Carolina and Idaho
Job Code: J5562
New Funds: \$1,571,500.00*
Carryover: \$484,481.08
Total: \$2,055,981.08

MacArthur Maze Fire
Job Code: J5608
New Funds: \$88,121
Carryover: \$60,210.16
Total: \$148,331.16

(NOTE: WIR New funds inadvertently understated in Mod 307)

SFST TAD
Job Code: J5606
New Funds: \$190.89
Carryover: \$287,365.06
Total: \$287,555.95

Newhall Pass
Job Code: J5633
New Funds: \$162,792
Carryover: \$0
Total: \$162,792

SFST (Comprehensive Assessment of
Severe Road and Rail Transportation)
Job Code: J5639
New Funds: \$250,000
Carryover: \$0
Total: \$250,000

BETA TPA Code and User Guide
Job Code: J5662
New Funds: \$1,925,000
Carryover: \$0
Total: \$1,925,000

Key Regulatory and Technical Issues
Job Code: J5661
New Funds: \$3,125,000
Carryover: \$0
Total: \$3,125,000

Calvert Cliffs SFST
Job Code: J5656
New Funds: \$325,000
Carryover: \$0
Total: \$325,000

Environmental Tropical Report (ETR)
Job Code: F1191
New Funds: \$423,159
Carryover: \$0
Total: \$423,159

International Programs
Job Code: J5670
New Funds: \$525,000
Carryover: \$0
Total: \$525,000

FCSS Licensing Reprocessing Facilities
Job Code: J5664
New Funds: \$900,000
Carryover: \$0
Total: \$900,000

Waste Confidence
Job Code: J5679
New Funds: \$450,000
Carryover: \$0
Total: \$450,000

Regulatory Process Improvements

Job Code: J5682
New Funds: \$150,000
Carryover: \$0
Total: \$150,000

**Analytical Support for Regulation of
Extended Storage**

Job Code: J5681
New Funds: \$175,000
Carryover: \$0
Total: \$175,000

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: \$1,912,924
Job Code: J5543
Amount: (\$33,759.12)

MacArthur Maze Fire

Job Code: J5608
Amount: \$125,210.16

SFST TAD

Job Code: J5606
Amount: \$243,877.89

Newhall Pass

Job Code: J5633
Amount: \$193,331

**SFST (Comprehensive Assessment of
Severe Road and Rail Transportation
Accidents Involving Long Duration Fires)**

Job Code: J5639
Amount: \$250,000

BETA TPA Code and User Guide

Job Code: J5662
Amount: \$1,925,000

Key Regulatory and Technical Issues

Job Code: J5661
Amount: \$3,125,000

Calvert Cliffs - SFST

Job Code: J5656
Amount: \$325,000

Environmental Topical Report

Job Code: F1191
Amount: \$423,159

International Programs

Job Code: J5670
Amount: \$525,000

FCSS Licensing Reprocessing Facilities

Job Code: J5664
Amount: \$900,000

Waste Confidence

Job Code: J5679
Amount: \$450,000

Regulatory Process Improvements

Job Code: J5682
Amount: \$150,000

**Analytical Support for Regulation of
Extended Storage**

Job Code: J5681
Amount: \$175,000