

2. AMENDMENT/MODIFICATION NO. MOD299 3. EFFECTIVE DATE See Blk 16C 4. REQUISITION/PURCHASE REQ. NO. RFPA NMS-11-027; FAIMIS - 111760 5. PROJECT NO. (if applicable)

6. ISSUED BY CODE 3100 7. ADMINISTERED BY (if other than item 6) CODE 3100
 U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Valerie Whipple Mail Stop: TWB-01-B10M Washington, DC 20555
 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) (X) 9A. AMENDMENT OF SOLICITATION NO.
 SOUTHWEST RESEARCH INSTITUTE
 6220 CULEBRA RD
 SAN ANTONIO TX 782385166
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-02-07-006
 10B. DATED (SEE ITEM 13) X 10-15-1987

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: 11-55-337-183 Job Code: J5679 BOC: 252A RFPA NMS-11-027 Appropriation No.: X0200 Obligation: \$100,000 FAIMIS: 111760

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: FAR 52.232-22 Limitation of Funds
 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

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 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) 15C. DATE SIGNED 2/21/2011 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Valerie Whipple Contracting Officer 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE SIGNED 2/22/11

The purpose of this modification is (1) to add a new task entitled "Waste Confidence and EIS -- HLWRS Integrated Spent Fuel Regulatory Management Program," (2) to obligate funds for this work in the amount of **\$100,000** under **Job Code J5679**, and (3) add the award fee for period 29 (9/27/09 - 9/26/10).

Accordingly, the following changes are made:

1. Sections B. 2. E. b., d, and e. are revised to obligate and authorize funding for **Job Code J5679** in the amount of **\$100,000**, as shown on the attached change pages 9, 9a, and 9b.
2. Section B.2.E.f. is revised to reflect the period 29 award fee, as shown on the attached change page 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: \$122,250

Cumulative total of NRC obligations for J5562: \$1,374,250

**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
Cumulative total of NRC obligations for JC J5661: \$1,675,000

**Description of Changes Incorporated by Modification No. 299
to NRC-02-07-006**

Page 3 of 3

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

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: \$100,000
Cumulative total of NRC obligations for JC F1191: \$200,786

Job Code J5664 (FCSS Technical Basis for Licensing Reprocessing Facilities)
FY10 obligation amount: \$500,000
Cumulative total of NRC obligations for JC J5664: \$500,000

Job Code J5670 (International Programs)
FY10 obligation amount: \$400,000
Cumulative total of NRC obligations for JC J5670: \$400,000

Job Code J5679 (Waste Confidence)
FY11 obligation amount: \$100,000
Cumulative total of NRC obligations for JC J5679: \$100,000

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

This modification obligates FY11 funds in the amount of \$100,000.

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 **\$54,253,857.40**. 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: \$1,374,250.00
Carryover: \$484,481.08
Total: \$1,858,731.08

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

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: \$1,675,000
Carryover: \$0
Total: \$1,675,000

Key Regulatory and Technical Issues
Job Code: J5661
New Funds: \$1,675,000
Carryover: \$0
Total: \$1,675,000

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

Environmental Tropical Report (ETR)
Job Code: F1191
New Funds: \$200,786
Carryover: \$0
Total: \$200,786

International Programs
Job Code: J5670
New Funds: \$400,000
Carryover: \$0
Total: \$400,000

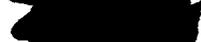
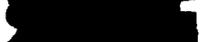
FCSS Licensing Reprocessing Facilities
Job Code: J5664
New Funds: \$500,000
Carryover: \$0
Total: \$500,000

Waste Confidence
Job Code: J5679
New Funds: \$100,000
Carryover: \$0
Total: \$100,000

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: \$1,690,674 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: \$1,675,000
Key Regulatory and Technical Issues Job Code: J5661 Amount: \$1,675,000	Calvert Cliffs - SFST Job Code: J5656 Amount: \$325,000
Environmental Topical Report Job Code: F1191 Amount: \$200,786	International Programs Job Code: J5670 Amount: \$400,000
FCSS Licensing Reprocessing Facilities Job Code: J5664 Amount: \$500,000	Waste Confidence Job Code: J5679 Amount: \$100,000

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>
27 9/27/07 - 9/26/08		
28 9/27/09 - 9/26/09		
29 9/27/09 - 9/26/10		
30		
31		

Section C - Description/Specifications/Work Statement

C.1 Statement of Work for Operation of the Center for Nuclear Waste Regulatory Analyses

C.1.1 Concept for CNWRA Support to NRC