

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BP&A NO.

1. CONTRACT ID CODE

PAGE

OF

1

4

2. AMENDMENT/MODIFICATION NO. M335

3. EFFECTIVE DATE

4. REQUISITION/PURCHASE REQ. NO. RES-13-155

5. PROJECT NO. (if applicable)

6. ISSUED BY CODE 3100 U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Valerie Whipple Mail Stop: TWB-01-B20M 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)

SOUTHWEST RESEARCH INSTITUTE 6220 CULEBRA RD SAN ANTONIO TX 782385166

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-02-07-006

10B. DATED (SEE ITEM 13) 09-29-2007

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 TWO (2).

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:

D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds

E. IMPORTANT: Contractor 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.)

See Page 2.

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

DUNS: 007936842 NAICS: 562211 PSC: R499

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)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Valerie Whipple Contracting Officer

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

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

DUNSI REVIEW COMPLETE

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

TEMPLATE - ADMIN

ADM002

The purpose of this modification is to obligate funds in the amount of **\$67,159** under **Job Code V6288**.

**ACCOUNTING AND APPROPRIATION DATA:**

**B&R: 2013-60-33-6-199 JC: V6288 BOC: 252A APPN: 31X0200 RES-13-155 FAIMIS:131276 \$67,159**

Accordingly, the following changes are made:

1. Sections B. 2. E. b., d, and e. are revised to obligate funding for **Job Code V6288**, as shown on the attached change pages 9, 9b, and 9c.

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: \$476,000**

**Cumulative total of NRC obligations for J5562: \$2,356,968**

**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

FY12 obligation amount: \$653,000

Cumulative total of NRC obligations for JC J5661: \$6,300,000

**Job Code J5662 (BETA TPA and User Guide)**

FY10 obligation amount: \$1,675,000

FY11 obligation amount: \$675,000

FY12 obligation amount: \$340,000

Cumulative total of NRC obligations for JC J5662: \$2,690,000

**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: \$289,000

Cumulative total of NRC obligations for JC J5664: \$1,499,000

**Job Code J5670 (International Programs)**

FY10 obligation amount: \$400,000

FY11 obligation amount: \$155,000

FY12 obligation amount: \$120,000

Cumulative total of NRC obligations for JC J5670: \$675,000

**Job Code J5679 (Waste Confidence)**

FY11 obligation amount: \$2,180,000

FY12 obligation amount: \$25,000

Cumulative total of NRC obligations for JC J5679: \$2,205,000

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

**Job Code J5682 (Regulatory Process Improvements)**

FY11 obligation amount: \$195,000

FY11 de-obligation amount: \$20,000

FY12 obligation amount: \$140,000

Cumulative total of NRC obligations for JC J5682: \$315,000

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

FY11 obligation amount: \$448,000

FY12 obligation amount: \$18,000

Cumulative total of NRC obligations for JC J5681: \$466,000

Job Code V6288 (Stress Corrosion Cracking Analysis of Dry Cask Storage Materials)

FY11 obligation amount: \$650,000

FY12 obligation amount: \$317,400

FY13 obligation amount: **\$67,159**

Cumulative total of NRC obligations for JC V6288: **\$1,034,559**

Job Code V6258 (Consequence Assessment of Extended Dry Cask Storage)

FY11 obligation amount: \$112,000

FY12 obligation amount: \$44,739

Cumulative total of NRC obligations for JC J5681: \$156,739

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: \$112,200

Cumulative total of NRC obligations for JC J5708: \$112,200

Job Code J4633 (Technical Assistance Regarding Spent Fuel Pool Neutron Absorber Performance under Accident Conditions)

FY12 obligation amount: \$313,700

Cumulative total of NRC obligations for JC J4633: \$313,700

Job Code V6347 (Analysis of Electrochemical Reprocessing)

FY12 obligation amount: \$40,000

Cumulative total of NRC Obligations for JC V6347: \$40,000

Job Code V6353 (Analysis of Vacuum Drying of Spent Nuclear Fuel Storage Canisters)

FY12 obligation amount: \$220,000

Cumulative total of NRC Obligations for JC V6353: \$220,000

**This modification obligates FY13 funds in the amount of \$67,159.**

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

|   |  |
|---|--|
| High-Level Waste (HLW)<br>Job Code: D1035<br>Amount: \$82,000,000   | Private Fuel Storage (PFS)<br>Job Code: J5226<br>Amount: \$207,542 |
| INEEL ISFSI-2<br>Job Code: J5410<br>Amount: \$685,819.72  | Diablo Canyon<br>Job Code: J5390<br>Amount: \$482,753.90           |
| Tunnel Fire Environment<br>Job Code: J5434<br>Amount: \$65,712.26   | Humboldt Bay.<br>Job Code: J5501<br>Amount: \$932,636.67           |
| WIR DOE South Carolina and Idaho<br>Job Code: J5543<br>Total: \$266,240.88<br>Job Code: J5562<br>Total: \$1,642,953 | MacArthur Maze Fire<br>Job Code: J5608<br>Total: \$94,249          |
|   | SFST TAD<br>Job Code: J5606<br>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       | ██████████                 | ██████████              |
| 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 – March 31, 2013 (Fourth Renewal period, Contract No. NRC-02-07-006) NOTE: Contract extended to allow tasks to end naturally.

- 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 **\$67,845,116.40**. 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: \$675,000  
Carryover: \$0  
Total: \$675,000

FCSS Licensing Reprocessing Facilities  
Job Code: J5664  
New Funds: \$1,499,000  
Carryover: \$0  
Total: \$1,499,000

Waste Confidence  
Job Code: J5679  
New Funds: \$2,205,000  
Carryover: \$0  
Total: \$2,205,000

Regulatory Process Improvements  
Job Code: J5682  
New Funds: \$315,000  
Carryover: \$0  
Total: \$315,000

Analytical Support for Regulation of  
Extended Storage  
Job Code: J5681  
New Funds: \$466,000  
Carryover: \$0  
Total: \$466,000

Stress Corrosion Cracking Analysis  
of Dry Cask Storage Materials  
Job Code: V6288  
New Funds: \$1,034,559  
Carryover: \$0  
Total: \$1,034,559

Consequence Assessment of  
Extended Dry Cask Storage  
Job Code: V6258  
New Funds: \$156,739  
Carryover: \$0  
Total: \$156,739

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: \$112,200

Spent Fuel Pool Neutron Absorber Perform.  
Job Code: J4633  
New Funds: \$313,700

Analysis of Electrochemical Reprocess  
Job Code: V6347  
New Funds: \$40,000

Analysis of Vacuum Drying of Spent  
Nuclear Fuel Storage Canisters  
Job Code: V6353  
Amount: \$220,000

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: \$2,841,449.08  
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: \$2,690,000

Key Regulatory and Technical Issues  
Job Code: J5661  
Amount: \$6,300,000

Calvert Cliffs - SFST  
Job Code: J5656  
Amount: \$325,000

Environmental Topical Report  
Job Code: F1191  
Amount: \$812,129

International Programs  
Job Code: J5670  
Amount: \$675,000

FCSS Licensing Reprocessing Facilities  
Job Code: J5664  
Amount: \$1,499,000

Waste Confidence  
Job Code: J5679  
Amount: \$2,205,000

Regulatory Process Improvements  
Job Code: J5682  
Amount: \$315,000

Analytical Support for Regulation of Extended Storage  
Job Code: J5681  
Amount: \$466,000

Stress Corrosion Cracking Analysis of Dry Cask Storage Materials  
Job Code: V6288  
Amount: \$1,034,559

Consequence Assessment of Extended Dry Cask Storage  
Job Code: V6258  
Amount: \$156,739

Quantitative Hazards Methods Development  
Job Code: J5705  
New Funds: \$100,000  
Carryover: \$0  
Total: \$100,000

Prairie Island Independent Spent Fuel Storage Installation License  
Job Code: J5708  
Total: \$112,200

Spent Fuel Pool Neutron Absorber Perform.  
Job Code: J4633  
Amount: \$313,700

Analysis of Electrochemical Reprocess  
Job Code: V6347  
Amount: \$40,000

Analysis of Vacuum Drying of Spent Nuclear Fuel Storage Canisters  
Job Code: V6353  
Amount: \$220,000