

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT ID CODE
5001R028, R015

PAGES
1 1

2 AMENDMENT/MODIFICATION NO

146

3 EFFECTIVE DATE

11/29/2000

4 REQUISITION PURCHASE REQ NO

NMS-97-009 11/7 & 21

5 PROJECT NO (if applicable)

6 ISSUED BY

U S Nuclear Regulatory Commission
Division of Contracts and Property Mgt
Attn T-7-1-2
Contract Management Branch 2
Washington DC 20555

CODE

7 ADMINISTERED BY (if other than item 6)

CODE

8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

Southwest Research Institute
6220 Culebra Road
Post Office Drawer 28510
San Antonio, TX 78228-0510
Wesley C. Patrick, President, CNWRA

(X) 9A AMENDMENT OF SOLICITATION NO

9B DATED (SEE ITEM 11)

10A MODIFICATION OF CONTRACT/ORDER NO
Con# NRC-02-97-009

10B DATED (SEE ITEM 13)

X 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 of 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 Below

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 13A

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

D OTHER (Specify type of modification and authority)

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)

Blk 12: Deobligate \$45,000 B&R 05015213120 JC J5206 BOC: 252A Approp. 31X0200
Obligate \$250,000 B&R 15015308105 JC J5226 BOC: 252A Approp. 31X0200

Please see attached pages.

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)

15B CONTRACTOR/OFFEROR

(Signature of person authorized to sign)

15C DATE SIGNED

16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Barbara D. Meehan

16B UNITED STATES OF AMERICA

BY *Barbara D. Meehan*
(Signature of Contracting Officer)

16C DATE SIGNED

11-29-2000

STANDARD FORM 30 REV 10-8

The purpose of this modification is to obligate \$250,000 to Job Code J5226, deobligate \$45,000 from Job Code J5206, revise the award fee determination plan (Attachment 11) to reflect the current CRG members and maximum available award fee pools, and revise the list of Government furnished property in Section H.27, and . Accordingly, the following revisions are made:

Sections B.2.C.b and d are revised to show the obligation of \$250,000 under Job Code J5226 and a deobligation of \$45,000 from Job Code J5206 as indicated on the attached change pages 5 and 6.

Section B.2.C.e is revised to show an increase in the authorization of Job Code D1035 (Repository Program) of \$2,000,000 and an increase of \$50,000 for PFS Job Code J5226 as shown on the attached change page 7.

Section H.27 is revised to correct the tag nos. on the list of Government furnished property as shown on the attached change page 46.

Attachment 11, Award Fee Determination Plan, is revised to change pages 5 and 9 to reflect an updated list of CRG members and the award fee pools through evaluation period 18. as shown on the attached change pages.

All other terms and conditions of this contract, including the ceiling amount for the second renewal period of \$87,611,477.00, remain the same.

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

Job Code D1035 (HLW)

Total FY97 obligation amount \$445,000 (see Spent Fuel (CIS) below)

Total FY98 obligation amount \$10,792,270 (Note that this reflects the \$19,000 which was obligated on Mod. 123, but not reflected in this summary)

Total FY99 obligation amount \$11,862,000.

Total FY99 deobligation amount \$183,756.57.

Total FY00 obligation amount \$12,971,071.

Total FY00 deobligation amount of \$100,000.

Total FY01 obligation amount of \$13,415,000.

Cumulative Total of NRC Obligations for JC 1035 (HLW) \$49,201,584.43.

Job Code D1035 (Spent Fuel (CIS))
Total FY97 obligation amount \$200,000
Total FY98 obligation amount \$250,000

Job Code J5297 (Spent Fuel (CIS))
Total FY00 obligation amount \$100,000

Cumulative Total of NRC Obligations for CIS \$550,000.

Job Code J5164 (Tank Waste Remediation)

Total FY98 obligation amount \$250,000
Total FY99 obligation amount \$285,000
Total FY00 obligation amount \$840,000

Cumulative Total of NRC Obligations for JC J5164 \$1,375,000.

Job Code J5206 (Spent Fuel Dry Transfer)
Total FY97 obligation amount \$25,000.
Total FY98 obligation amount \$200,000.
Total FY98 deobligation amount \$33,000
Total FY99 obligation amount \$283,600
Total FY00 obligation amount \$135,000
Total FY01 deobligation amount \$45,000

Cumulative Total of NRC Obligations for JC J5206 \$565,600.

Job Code J5210 (Aluminum-Based Spent Fuels)
Total FY98 obligation amount \$125,000.

Cumulative Total of NRC Obligations for JC J5210 \$125,000

Job Code J5186 (TMI-2 Fuel Debris)
Total FY98 obligation amount \$208,000.
Total FY98 deobligation amount \$8,000.
Total FY99 obligation amount \$100,000
Total FY99 deobligation amount \$15,898.

Cumulative Total of NRC Obligations for JC J5186 \$284,102.

Description of Changes Incorporated by Modification No. 146 to NRC-02-97-009

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Job Code J5226 (Private Fuel Storage)
Total FY98 obligation amount \$158,000
Total FY99 obligation amount \$332,630
Total FY00 obligation amount \$443,920
Total FY01 obligation amount \$250,000

Cumulative Total of NRC Obligations for JC J5226 \$1,184,550.

Job Code J5324 (SKB Peer Review)
Total FY00 obligation amount \$9,987

Cumulative Total of NRC Obligations for JC J5324 \$9,987.

Job Code J5327 (Naval Spent Fuel)
Total FY00 obligation amount \$161,000

Cumulative Total of NRC Obligations for JC J5327 \$161,000.

This modification obligates \$205,000 in FY2001 funds.

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

High-Level Waste Job Code: D1035 Amount: \$ 44,662,918	Licensing Support System Job Code: L1590 Amount: \$35,900
Research Job Code: B6666 Amount: \$ 15,584,461.47	Waste Solidification Systems Job Code: L1793 Amount: \$642,391.87 Job Code: J5190 Amount: \$39,900
Transportation Job Code: D1070 Amount: \$0	Monitored Retrievable Storage Job Code: L2516 Amount: \$20,459.70
Tank Waste Remediation Job Code: J5164 Amount: \$772,035.00	Safety Review of TMI-2 Job Code: J5186 Amount: \$158,290

Total amount authorized: \$ 61,916,356.04

f. The total award fee available; the award fee earned thus far and the evaluation period applicable thereto were as follows:

<u>Evaluation Period</u>	<u>Available Award Fee</u>	<u>Award Fee Earned</u>
11 9/27/92-4/9/93	\$309,465	259,951
12 4/10/93-9/24/93	347,645	316,673
13 9/25/93-9/30/94	709,894	668,010.43
14 10/1/94-9/29/95	817,617	793,088
15 9/30/95-9/27/96	665,948	645,970
16 9/28/96-9/26/97	556,736	528,899

Current Data

C. September 27, 1997 - September 27, 2002

- a. The total estimated ceiling amount of this Cost-Plus-Award-Fee type contract for the above mentioned period is \$87,611,477.00.
- b. The amount presently obligated by the Government with respect to this contract for this period is \$ 53,456,823.43. In addition, carryover funds in the amount of \$3,302,599.76 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/Project 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 then 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 Job Code: D1035 New Funds: \$ 49,485,341 Deob.: \$283,756.57 Carryover: \$1,989,455.71 Total: \$51,191,039.14	Waste Solidification Systems Job Code: L1793 New Funds: Carryover: \$2,763.35 Total: \$2,763.35
Tank Waste Remediation Job Code: J5164 New Funds: \$1,375,000 Carryover: \$1,246,284.95 Total: \$2,621,284.95	Waste Solidification Systems Job Code: J5190 New Funds: Carryover: \$35,349.05 Total: \$35,349.05
Spent Fuel (TMI-2 Fuel Debris) Job Code: J5186 New Funds: \$308,000 Deob.: \$23,898 Carryover: \$28,746.69 Total: \$312,848.69	Spent Fuel (Dry Transfer) Job Code: J5206 New Funds: \$643,600 Deobligate: \$78,000 Carryover: \$0 Total: \$565,600
Aluminum-Based Spent Fuels Job Code: J5210 New Funds: \$125,000 Total: \$125,000	Spent Fuel (CIS) Job Code: D1035 New Funds: \$450,000 Total: \$450,000
Spent Fuel (PFS)* Job Code: J5226 New Funds: \$1,184,550 Total: \$1,184,550	Spent Fuel (CIS) Job Code: J5297 New Funds: \$100,000 Total: \$100,000
SKB Peer Review Job Code: J5324 New Funds: \$9,987 Total: \$9,987	Naval Spent Fuel Job Code J5327 New Funds: \$161,000 Total: \$161,000
Total New Funds Obligated for 2nd Renewal Period: \$53,842,478.00	
Funds Deobligated during 2nd Renewal Period: 385,654.57	
Net Obligated: \$53,456,823.43	

*PFS is subject to the license fee recovery provisions located elsewhere in this contract.
 The TAC number for this project is L22462.

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

High-Level Waste Job Code: D1035 Amount: \$38,069,629	Waste Solidification Systems Job Code: J5190 Amount: \$35,349.05 Job Code: L1793 Amount: \$2,763.35	
Tank Waste Remediation Job Code: J5164 Amount: \$2,525,478.29	Spent Fuel (TMI-2 Fuel Debris) Job Code: J5186 Amount: \$312,849	
Spent Fuel (Dry Transfer) Job Code: J5206 Amount: \$573,001	Spent Fuel (CIS) Job Code: D1035 Amount: \$450,000	
Aluminum-Based Spent Fuel Job Code: J5210 Amount: \$125,000	Spent Fuel (CIS) Job Code: J5297 Amount: \$100,000	
SKB Peer Review Job Code: J5324 Amount: \$9,987	Spent Fuel (PFS) Job Code: J5226 Amount: \$943,105	Naval Spent Fuel Job Code: J5327 Amount: \$115,469

Total amount authorized: \$43,212,680.69

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

<u>Evaluation Period</u>	<u>Available Award Fee</u>	<u>Award Fee Earned</u>
17 9/27/97-9/25/98	\$598,989	\$581,021
18 9/26/98-9/24/99	797,438	781,490
19 9/25/99-9/29/00		
20 9/30/00-9/28/01		
21 9/29/01-9/27/02		

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

C.1.1.1 Nuclear Waste Policy Act of 1982

The Nuclear Waste Policy Act of 1982 as amended (NWPA) sets forth the policy of the United States with regard to the management, storage and disposal of this nation's high-level radioactive waste from commercial and defense activities. The NWPA charges the Department of Energy (DOE) as the lead Federal Agency to manage the siting, construction,

(b) Sensitive Equipment. The purchase of sensitive equipment (any of the property items listed in Attachment Number 17) by the CNWRA with funds provided under this contract (other than overhead, general and administrative expenses, and fee), regardless of dollar value, requires the prior written approval of the NRC CO. Any request to purchase sensitive equipment shall be identified in the Operations Plan when submitted for approval or in a separate letter to the NRC Contracting Officer. After approval, any sensitive equipment purchased will be listed in this clause.

(c) In the event that, during contract performance, the Contractor determines that the acquisition cost for the above item(s) is (are) expected to exceed the amount(s) contained in the CNWRA's Operations Plan or letter requesting approval to purchase the equipment, the contractor shall refer to the Limitation of Cost or Funds Clause when either is included in the contract.

(d) Only the equipment/property listed in this clause in the quantities shown, will be acquired by the contractor. Additional equipment/property as defined in (a) and (b) above may be acquired only after CO approval is authorized by an amendment to this clause. The equipment/property listed in this clause is subject to the provisions of the "Government Property" clause.

H.27 Government Furnished Equipment/Property

(a) The NRC has provided the Contractor with the following for use under this contract:

<u>Item</u>	<u>Manufacturer</u>	<u>Tag No.</u>	<u>Quantity</u>	<u>Location</u>
Multiplexer	Timeplex	052407	1	San Antonio, TX
Power Supply	Deltec	052409	1	San Antonio, TX
Network Controller DSU		058725	1	Rockville, MD
Power Supply	Liebert	076498	1	San Antonio, TX
Deskport Modem	Microm	060461	1	San Antonio, TX
Access Stack Node router	Bay Networks	057902	1	San Antonio, TX
Access Stack Node router	Bay Networks	063304	1	Rockville, MD
Deskport Modem	Microm	060449	1	Rockville, MD
CITRIX System	Citrix	Software	1	San Antonio, TX

(b) In addition, the items shown on Attachment 22 were acquired by the Contractor with Government funds under contracts NRC-02-88-005, NRC-02-93-005 and NRC-02-97-009.

(c) Only the equipment/property listed above in the quantities shown will be provided by the Government. This property is subject to the provisions of the Government Property clause under this contract. All other equipment/property required in performance of the contract shall be furnished by the Contractor.

H.28 Foreign Ownership, Control, or Influence Over Contractor

(a) For purposes of this clause, a foreign interest is defined as any of the following:

C. Organization Structure for Award Fee Administration

The following organizational structure is established for administering the award fee provisions of the contract.

1. Fee Determination Official (FDO)
 - a. The FDO is the Director, NMSS, or his designee.
 - b. Primary FDO responsibilities are:
 - (1) Determining the award fee earned and payable for each evaluation period as addressed in Part D.
 - (2) Changing the matters covered in this plan as addressed in Part E, as appropriate.

2. Center Review Group (CRG)
 - a. The Chairman of the CRG is John J. Linehan, or his designee. The CRG consists of the following members:

Joseph J. Holonich
Sharon D. Stewart
E. William Brach
Michael Weber

Advisors: Deborah A. DeMarco
Donald F. Hassell
Barbara D. Meehan

Evaluation Coordinator: Emarsha Whitt
 - b. The Chairman may recommend the appointment of non-voting members to assist the Group in performing its functions.
 - c. The CRG will:
 - (1) Conduct ongoing evaluations and assessments of the CNWRA's overall performance and submit a Performance Evaluation Report (PER) to the FDO covering the Group's findings and recommendations for each evaluation period, as addressed in Part D.
 - (2) Considering proposed changes in this plan and recommending those it determines appropriate for adoption by the FDO, as addressed in Part E.

3. Performance Monitors (PM)
 - a. PMs are all Program Element Managers and the Senior Contract Specialist.
 - b. Each PM will be responsible for complying with the General Instructions for Performance Monitors, Attachment D-1, and any specific instructions of the CRG Chairman as addressed in Part D. Primary PM responsibilities are:

ATTACHMENT C-1 TO AFDP

EVALUATION PERIODS AND MAXIMUM
AVAILABLE AWARD FEE FOR EACH

(Historical Information from Previous Contract Periods Included)

<u>No.</u>	<u>Duration</u>	<u>Ending</u>	<u>Maximum Available Award Fee</u>
1.	6 months	April 14, 1988	\$102,009
2.	6 months	October 14, 1988	\$158,444
3.	6 months	April 14, 1989	\$275,870
4.	6 months	October 14, 1989	\$296,996
5.	6 months	April 14, 1990	\$318,735
6.	6 months	October 14, 1990	\$445,789
7.	6 months	April 14, 1991	\$450,777
8.	6 months	October 14, 1991	\$424,240
9.	6 months	April 14, 1992	\$482,533
10.	6 months	September 26, 1992	\$405,673
11.	6 months	April 9, 1993	\$309,465
12.	6 months	September 24, 1993	\$347,645
13.	1 year	April 15, 1994	\$709,894
		September 30, 1994	
14.	1 year	April 14, 1995	\$817,617
		September 29, 1995	
15.	1 year	April 12, 1996	\$665,948
		September 27, 1996	
16.	1 year	April 11, 1997	\$556,736
		September 26, 1997	
17.	1 year	April 10, 1998	\$598,989
		September 25, 1998	
18.	1 year	April 9, 1999	\$797,438
		September 24, 1999	
19.	1 year	April 14, 2000	
		September 29, 2000	
20.	1 year	April 13, 2001	
		September 28, 2001	
21.	1 year	April 12, 2002	
		September 27, 2002	

*For periods 13 and later there may be two award fee pools since the pool could increase or decrease .5% for each of the two periods within the total one year evaluation period.