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# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE \_\_\_\_\_ PAGE OF PAGES  
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2. AMENDMENT/MODIFICATION NO. \_\_\_\_\_  
ISSUED BY 66 CODE \_\_\_\_\_

3. EFFECTIVE DATE  
NOV 24 1993  
4. REQUISITION/PURCHASE REQ. NO. NMS-93-005 dtd. 11/23/93  
5. PROJECT NO. (if applicable) \_\_\_\_\_  
7. ADMINISTERED BY (if other than Item 6) \_\_\_\_\_ CODE \_\_\_\_\_

U.S. Nuclear Regulatory Commission  
Division of Contracts & Property Management  
Washington, DC 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
Southwest Research Institute  
6220 Culebra Road  
San Antonio, TX 78228-0510

9A. AMENDMENT OF SOLICITATION NO. \_\_\_\_\_  
9B. DATED (SEE ITEM 11) \_\_\_\_\_  
10A. MODIFICATION OF CONTRACT/ORDER NO. \_\_\_\_\_  
X NRC-02-88-005  
10B. DATED (SEE ITEM 11) 10/15/87

Principal Investigator/Technical  
Contact: Wesley C. Patrick, President, CNWRA  
Telephone No. (210) 522-5154

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS  
FACILITY CODE \_\_\_\_\_  
 is extended,  is not extended.

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)  
N/A  
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by DCF section headings, including solicitation/contract subject matter where feasible.)  
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.  
X 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 43.102(a).  
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 DCF section headings, including solicitation/contract subject matter where feasible.)

See attached pages.

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15A. NAME AND TITLE OF SIGNER (Type or print)  
15B. CONTRACTOR/OFFEROR  
15C. DATE SIGNED  
15D. UNITED STATES OF AMERICA  
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
Barbara Meehan, Contracting Officer  
16B. UNITED STATES OF AMERICA  
BY Barbara Meehan  
(Signature of Contracting Officer)  
16C. DATE SIGNED  
NOV 24 1993  
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.

The purpose of this modification is to formally approve all of the new FY94/95 Operations/Project plans, to increase the authorized amounts for High-Level Waste, Research and WSS, and to correct the b&r number which appeared on modification 65. Accordingly, the following changes are hereby incorporated:

1. Revise Section B.2.B.e to read as follows:

"e. The amount currently authorized for each operations plan is as follows:

High-Level Waste  
Job Code: D1035  
Amount: \$11,105,217.55

Licensing Support System  
Job Code: L1590  
Amount: \$35,900

Transportation  
Job Code: D1070  
Amount: \$0

Waste Solidification Systems  
Job Code: L1793  
Amount: \$235,391.87

Research  
Job Code: B6666  
Amount: \$6,199,795.36

Monitored Retrievable Storage  
Job Code: L2516  
Amount: \$56,231.38"

2. Modification No. 65 is corrected to change the B&R number for Job Code D1035 which obligated \$25,000 from "36019502100" to "35019501100".
3. Section C.3 of the contract is revised to read as follows to incorporate the approved FY94/95 Operations/Project Plans:

- \*1. Operations Plan for the Division of High-Level Waste Management for FY94-95, Revision 4, Change 2 dtd. November, 1993.
2. Operations Plan for Monitored Retrievable Storage for FY94-95, Revision 2, Change 1 dtd. September, 1993.
3. Operations Plan for Waste Solidification Systems for FY94-95, Revision 3, Change 1 dtd. September, 1993.
4. Project Plan for Overall Research for FY94-95, Revision 7, Change 1 dtd. September, 1993.
5. Project Plan for Geochemical Analog of Contaminant Transport in Unsaturated Rock for FY94-95, Revision 2, Change 4 dtd. September, 1993.
6. Project Plan for Geochemistry for FY94-95, Revision 3, Change 4 dtd. September, 1993.
7. Project Plan for Hydrogeologic Processes of the Death Valley Region for FY94-95, Revision 1, Change 1 dtd. September, 1993.
8. Project Plan for Integrated Waste Package Experiments for FY94-95, Revision 6, Change 1 dtd. September, 1993.
9. Project Plan for Seismic Rock Mechanics for FY94-95, Revision 4, Change 1 dtd. September, 1993.

10. Project Plan for Performance Assessment Research for FY94-95, Revision 3, Change 1 dtd. September, 1993.
11. Project Plan for Stochastic Unsaturated Flow and Transport for FY94-95, Revision 2, Change 1 dtd. September, 1993.
12. Project Plan for Sorption Modeling for HLW Performance Assessment for FY94-95, Revision 2, Change 4 dtd. September, 1993.
13. Project Plan for Research on Tectonic Processes in the Central Basin and Range Region for FY94-95, Revision 0, Change 4 dtd. September, 1993.
14. Project Plan for Thermohydrology Project for FY94-95, Revision 3, Change 4 dtd. September, 1993.
15. Project Plan for Volcanic Systems of the Basin and Range for FY94-95, Revision 1, Change 4 dtd. September, 1993.
16. Project Plan for Field Volcanology for FY94-95, Revision 0, Change 4 dtd. September, 1993."

All other terms and conditions of this contract, including the ceiling amount for the renewal period of \$89,898,141.00, remain the same.

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

Job Code D1035 (HLW)  
Total FY92 obligation amount \$1,640,300  
Total FY93 obligation amount \$8,025,000  
Cumulative Total of NRC Obligations for Fin 1035 \$9,665,300.

Job Code L1590 (LSS)  
Total FY92 obligation amount \$50,000.  
Total FY93 deobligation amount \$55,259.71.  
Cumulative Total of NRC Obligations for Fin L1590 \$50,000.  
Cumulative Total of NRC Deobligations for Fin L1590 \$55,259.71 (Note that since this exceeds the amount obligated for the renewal period, funds in the amount of \$5,259.71 will be deobligated from funds obligated in the first five year period of the contract.)

Job Code L1793 (WSS)  
Total FY93 obligation amount \$60,000.  
Cumulative Total of NRC Obligations for Fin L1793 \$60,000.

Job Code B6666 (Research)  
Total FY93 obligation amount \$4,983,000  
Cumulative Total of NRC Obligations for Fin B6666 \$4,983,000.

This modification does not obligate new funds.