

PDR

1. AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. Seven (7)	3. EFFECTIVE DATE 9/13/93	4. REQUISITION/PURCHASE REQ. NO. FSS #5093R034 NRC-02-91-007 dtd 5/24/93	5. PROJECT NO. (If applicable)
6. ISSUED BY	CODE	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) Colorado State University ATTN: Mr. Donald W. Kelly Contracts and Grants Administrator Sponsored Programs Fort Collins, Colorado 80523 Principal Investigator/Technical Contact: Dr. Steve Abt Telephone No. (803) 491-8203		9. AMENDMENT OF SOLICITATION NO. 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. X NRC-02-91-007 10B. DATED (SEE ITEM 13) 01/29/91
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.

2. ACCOUNTING AND APPROPRIATION DATA (If required)
I&R No. 35019402100 Job Code L1410 BOC #2542 APPN No. 31X0200 Amt. Obligated \$14,931

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

<input checked="" type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to the issuing office.

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

Please see attached pages.

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DF02-01

5A. NAME AND TITLE OF SIGNER (Type or print) James F. Brown Assistant V.P. for Research		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mary Lynn Scott, Contracting Officer	
5B. CONTRACTOR/OPERATOR <i>James F. Brown</i> (Signature of person authorized to sign)	15C. DATE SIGNED 9/13/93	16B. UNITED STATES OF AMERICA BY <i>Mary Lynn Scott</i> (Signature of Contracting Officer)	16C. DATE SIGNED SEP 02 1993

The purposes of this modification are to (1) increase the contract ceiling by \$14,932 from \$379,281 to \$394,213, and incrementally fund the contract in the amount of \$14,932; (2) revise Task 1, Subtask C.1.1.B; (3) revise the indirect cost rates and (4) change the name of the contract administrator. Accordingly, the contract is hereby modified as follows:

1. Section B, Article B.3 CONSIDERATION AND OBLIGATION--COST REIMBURSEMENT is revised as follows:

a. "The total estimated cost to the Government for full performance under this contract is \$394,213."

b. "The amount presently obligated with respect to this contract is \$394,213."

2. Section C.1, Statement of Work, Task 1, Subtask C.1.1.B is deleted in its entirety and substituted with the following:

The Contractor shall provide an interim draft report on the results of rock durability studies and field testing performed to date. The Contractor shall also provide two interim draft reports, one on the results of indoor and outdoor flume studies, and one on the field gully studies. The three reports shall summarize the testing and data collection performed and shall provide design procedures and recommendations that can be used in licensing applications.

The three draft reports shall be provided to the NRC staff for review as follows:

<u>Topic of Report</u>	<u>Date of Submission</u>
Flume Simulations	July 30, 1993
Field Gully Studies	August 31, 1993
Rock Durability	September 15, 1993

The NRC staff will provide comments within two weeks of receipt of each of the draft reports. The final reports shall be submitted in final form by September 30, 1993.

As applicable, portions of the interim reports shall be incorporated into the final report which are to be submitted at the completion of the project.

The estimated Level of Effort for this revision is approximately one man-month of the PI's support and approximately 100 man-hours of the assigned graduate student's support.

A summary of obligations for this contract, from award date through the date of this action, is given below:

Total FY91 Obligation Amount:	\$100,000
Total FY92 Obligation Amount:	\$180,200
Total FY93 Obligation Amount:	\$114,013
Cumulative total of NRC Obligations:	\$394,213

This modification obligates FY93 funds in the amount of \$14,932.

All other terms and conditions of the contract remain the same.

3. Section G, Article G.1 INDIRECT COST RATES is amended to include the following predetermined (fixed) rates:

Indirect Cost Rates*

<u>Effective Period</u> <u>From</u> <u>To</u>	<u>Rate</u>	<u>Location</u>	<u>Applicable To</u>
07/01/92 - 06/30/94	44.7%	On-Campus	Sponsored Research
07/01/92 - 06/30/96	26.0%	Off-Campus	Sponsored Research
07/01/92 - 06/30/96	70.0%	On Campus	Instruction
07/01/92 - 06/30/96	26.0%	Off-Campus	Instruction
07/01/92 - 06/30/96	33.5%	On-Campus	Other Sponsored Activities
07/01/92 - 06/30/96	26.0%	Off-Campus	Other Sponsored Activities

*BASE: Total direct costs excluding capital expenditures (buildings, individual items of equipment, and alterations and renovations); that portion of each subaward in excess of \$25,000; hospitalization and other fees associated with patient care whether the services are obtained from an owned, related or third party hospital or other medical facility; rental/maintenance of off-site activities; participant support costs, student tuition remission and student support costs (e.g., student aid, stipends, dependency allowances, scholarships and fellowships).

4. Your contact for contractual matters during the course of this contract is as follows:

Ms. Amy Siller
Contract Administrator
U.S. Nuclear Regulatory Commission
ADM/DCPM/CAB1 - MS P-902
Washington, DC 20555

(301) 492-8027