

Grant and Cooperative Agreement

CHOOSE ONE:
 COOPERATIVE AGREEMENT
 GRANT

CHOOSE ONE: EDUCATION FACILITIES RESEARCH SDCR TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-60-14-G-0010	2. SUPPLEMENT NUMBER M0004	3. EFFECTIVE DATE 07/17/2017	4. COMPLETION DATE
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5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) REGENTS OF THE UNIVERSITY OF COLORADO THE 3100 MARINE ST RM 481 572 UCB BOULDER CO 803090574	6. ISSUED BY US NRC - HQ Mailing Address: ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP WASHINGTON DC 20555-0001
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7. TAXPAYER IDENTIFICATION NO. (TIN) 84-6000555	9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) [REDACTED]
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.	[REDACTED]

10. RESEARCH, PROJECT OR PROGRAM TITLE
Experimental and Numerical Investigation of Alkali Silica Reaction in Nuclear Reactors

11. PURPOSE
See Schedule

12. PERIOD OF PERFORMANCE (Approximately)
09/30/2014 through 12/31/2017

13A.	AWARD HISTORY	13B.	FUNDING HISTORY
PREVIOUS	\$653,197.00	PREVIOUS	\$653,197.00
THIS ACTION	\$50,000.00	THIS ACTION	\$50,000.00
CASH SHARE	\$0.00	TOTAL	\$703,197.00
NON-CASH SHARE	\$0.00		
RECIPIENT SHARE	\$0.00		
TOTAL	\$703,197.00		

14. ACCOUNTING AND APPROPRIATION DATA
See Schedule

PURCHASE REQUEST NO.	JOB ORDER NO.	AMOUNT	STATUS
RES-17-0431			

15. POINTS OF CONTACT

	NAME	MAIL STOP	TELEPHONE	E-MAIL ADDRESS
TECHNICAL OFFICER	CHON DAVIS		301-415-6610	Chon.Davis@nrc.gov
NEGOTIATOR				
ADMINISTRATOR	M'LITA R. CARR		301-415-6869	MLita.Carr@nrc.gov
PAYMENTS				

16. THIS AWARD IS MADE UNDER THE AUTHORITY OF:
Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended

17. APPLICABLE STATEMENT(S), IF CHECKED: <input checked="" type="checkbox"/> NO CHANGE IS MADE TO EXISTING PROVISIONS <input type="checkbox"/> FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT	18. APPLICABLE ENCLOSURE(S), IF CHECKED: <input type="checkbox"/> PROVISIONS <input type="checkbox"/> SPECIAL CONDITIONS <input type="checkbox"/> REQUIRED PUBLICATIONS AND REPORTS
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UNITED STATES OF AMERICA	COOPERATIVE AGREEMENT RECIPIENT
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CONTRACTING/GRANT OFFICER M'LITA R. CARR	DATE 07/19/2017	AUTHORIZED REPRESENTATIVE	DATE
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ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	<p>CFDA Number: 77.009 NRC-HQ-60-14-G-0010 RES-17-0431</p> <p>The purpose of this modification is to:</p> <ol style="list-style-type: none"> 1. extend the period of performance; 2. increase the ceiling; and 3. provide incremental funding. <p>As a result of this modification:</p> <ol style="list-style-type: none"> 1. the period of performance has been extended by three (3) months from 9/29/2017 to 12/31/2017. 2. the ceiling for this grant has been increased by \$50,000.00 from \$653,197.00 to 703,197.00. 3. incremental funding has been provided in the amount \$50,000.00 thereby increasing the obligated amount by \$50,000.00 from \$653,197.00 to 703,197.00. <p>**All other terms and conditions remain the same.**</p> <p>LIST OF CHANGES: Period Of Performance End Date changed from 2017-09-29 00:00:00 to 2017-12-31 00:00:00 Total Amount for this Modification: \$50,000.00 New Total Amount for this Version: \$703,197.00 New Total Amount for this Award: \$703,197.00 Obligated Amount for this Modification: \$50,000.00 New Total Obligated Amount for this Award: \$703,197.00 Incremental Funded Amount changed: from \$0.00 to \$703,197.00 Administrative Grant Officer changed from GORDANA ZUBER to M'LITA R CARR</p> <p>Continued ...</p>				

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ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$653,197.00 to \$703,197.00</p> <p>Obligated Amount for this modification: \$50,000.00</p> <p>Incremental Funded Amount changed from \$653,197.00 to \$703,197.00</p> <p>CHANGES FOR DELIVERY LOCATION: NRCHQ</p> <p>Amount changed from \$653,197.00 to \$703,197.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 2017-X0200-FEEBASED-60-60D001-11-6-213-1058-4110</p> <p>BBFY 2017</p> <p>EBFY</p> <p>Fund X0200</p> <p>Funds Source FEEBASED</p> <p>YBA</p> <p>Office 60</p> <p>Division 60D001</p> <p>Branch 60B106</p> <p>Cost Ctr (Job Code) 1058</p> <p>Major prog/business 11</p> <p>Product Line 6</p> <p>Product 213</p> <p>BOC 4110</p> <p>REIM Agreement Num</p> <p>REIM Agmt Line Num</p> <p>FAIMIS Template Name 11-6-213-1058</p> <p>Quantity: 0</p> <p>Amount: \$50,000.00</p> <p>Percent: 7.65466</p> <p>Subject To Funding: N</p> <p>Payment Address:</p> <p>Continued ...</p>				

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ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY Period of Performance: 09/30/2014 to 12/31/2017				