

Grant and Cooperative Agreement

CHOOSE ONE:

- ☐ COOPERATIVE AGREEMENT
- ☒ GRANT

CHOOSE ONE:

☐ EDUCATION☐ FACILITIES☒ RESEARCH☐ SDCR☐ TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-60-15-G-0003		2. SUPPLEMENT NUMBER M0002		3. EFFECTIVE DATE 02/01/2018		4. COMPLETION DATE	
5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) PENNSYLVANIA STATE UNIVERSITY THE ATTN MRS ALLISON EISENHOWER 110 TECHNOLOGY CENTER UNIVERSITY PARK PA 168027000				6. ISSUED BY US NRC - HQ Mailing Address: ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-8E06M WASHINGTON DC 20555-0001			
7. TAXPAYER IDENTIFICATION NO. (TIN) 24-6000376				9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) [REDACTED]			
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO. [REDACTED]				[REDACTED]			
10. RESEARCH, PROJECT OR PROGRAM TITLE Experiments on Scalability of Horizontal Two-phase Flow in Small and Large Diameter Pipes							
11. PURPOSE See Schedule							
12. PERIOD OF PERFORMANCE (Approximately) 05/01/2015 through 04/30/2018							
13A.		AWARD HISTORY		13B.		FUNDING HISTORY	
PREVIOUS		\$494,153.00		PREVIOUS		\$494,153.00	
THIS ACTION		\$0.00		THIS ACTION		\$0.00	
CASH SHARE		\$0.00		TOTAL		\$494,153.00	
NON-CASH SHARE		\$0.00					
RECIPIENT SHARE		\$0.00					
TOTAL		\$494,153.00					
14. ACCOUNTING AND APPROPRIATION DATA							
PURCHASE REQUEST NO.		JOB ORDER NO.		AMOUNT		STATUS	
15. POINTS OF CONTACT							
	NAME	MAIL STOP	TELEPHONE	E-MAIL ADDRESS			
TECHNICAL OFFICER	CHON DAVIS	10 B16	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 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			
UNITED STATES OF AMERICA				COOPERATIVE AGREEMENT RECIPIENT			
CONTRACTING/GRANT OFFICER M'LITA R. CARR		DATE 02/01/2018		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</p> <p>NRC-HQ-60-15-G-0003</p> <p>ZEROREQ-RES-18-0060</p> <p>The purpose of this modification is to:</p> <ol style="list-style-type: none"> 1. Change the Principal Investigator and 2. Revise the budget to add subcontracting work. <p>As a result of this modification:</p> <ol style="list-style-type: none"> 1. The Principal Investigator changed from Dr. [REDACTED]. 2. The budget was revised as seen on page 3 to accept and approve the proposed subcontracting work. <p>**All other terms and conditions remain the same.**</p> <p>Payment:</p> <p>ASAP GRANT FUNDS REIMBURSEMENT SYS</p> <p>US TREASURY</p> <p>Period of Performance: 05/01/2015 to 04/30/2018</p> <p>NRC-HQ-60-14-FOA-0001</p>				

