

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-0017 | | 2. SUPPLEMENT NUMBER M0001 | | 3. EFFECTIVE DATE 04/07/2015 | | 4. COMPLETION DATE | |
| 5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) PENNSYLVANIA STATE UNIVERSITY, THE Attn: John W. Hanold University Park 110 TECHNOLOGY CENTER UNIVERSITY PARK PA 168027000 | | | | 6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: 3WPN-05-C64MP Washington DC 20555-0001 | | | |
| 7. TAXPAYER IDENTIFICATION NO. (TIN) 24-6000376 | | | | 9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Dr. Fan-Bill Cheung Phone: 814-863-4261; Email: fxc4@psu.edu | | | |
| 8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO. | | | | | | | |
| 10. RESEARCH, PROJECT OR PROGRAM TITLE Determination of the Minimum Film Boiling Temperature for Nuclear Fuel Rods with Different of Fouling Layers | | | | | | | |
| 11. PURPOSE See Schedule | | | | | | | |
| 12. PERIOD OF PERFORMANCE (Approximately) 09/30/2014 through 09/29/2016 | | | | | | | |
| 13A. PREVIOUS | | AWARD HISTORY | | 13B. PREVIOUS | | FUNDING HISTORY | |
| | | \$321,153.00 | | | | \$162,542.00 | |
| THIS ACTION | | \$0.00 | | THIS ACTION | | \$158,611.00 | |
| CASH SHARE | | \$0.00 | | TOTAL | | \$321,153.00 | |
| NON-CASH SHARE | | \$0.00 | | | | | |
| RECIPIENT SHARE | | \$0.00 | | | | | |
| TOTAL | | \$321,153.00 | | | | | |
| 14. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | | | | |
| PURCHASE REQUEST NO. | | JOB ORDER NO. | | AMOUNT | | STATUS | |
| RES-15-0267 | | | | | | | |
| 15. POINTS OF CONTACT | | | | | | | |
| | NAME | | MAIL STOP | TELEPHONE | E-MAIL ADDRESS | | |
| TECHNICAL OFFICER | SARAH B. SHAFFER | | CSB/ C6 D2 | 301-251-7942 | SARAH.SHAFFER@NRC.GOV | | |
| NEGOTIATOR | | | | | | | |
| ADMINISTRATOR | GORDANA ZUBER | | | 301-415-5002 | gordana.zuber@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 | | | |
| UNITED STATES OF AMERICA | | | | COOPERATIVE AGREEMENT RECIPIENT | | | |
| CONTRACTING/GRANT OFFICER M'LITA R. CARR | | DATE 04/07/2015 | | AUTHORIZED REPRESENTATIVE | | DATE | |

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE APR - 9 2015

ADM002

Grant and Cooperative Agreement

| 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>The purpose of this modification is to provide incremental funding in the amount of \$158,611.00. The obligated amount of this grant has increased by \$158,611.00 from \$162,542.00 to \$321,153.00. With this funding modification grant is fully funded.</p> <p>All other terms and conditions remain the same.</p> <p>Technical Analyst: Stephen Bajorek MS: CSB/ C3 D3 Telephone: 301-251-7561 Email: Stephen.Bajorek@nrc.gov</p> <p>Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY</p> <p>Period of Performance: 09/30/2014 to 09/29/2016 NRC-HQ-60-14-FOA-0001</p> | | | | |