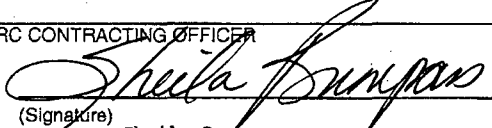


**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-07-064	2. MODIFICATION NO. M003	3. PERIOD OF PERFORMANCE FROM: 04/20/2007 TO: 09/30/2009	4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended
5. TYPE OF AWARD <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	6. ORGANIZATION TYPE State Controlled Hi-Ed Inst.	7. RECIPIENT NAME AND ADDRESS Pennsylvania State University Attn: Dr. Arthur T. Motta 408 Old Main Street University Park, PA 16802 DUNS No. 003403953	
8. PROJECT TITLE: "Fracture of Hydrided Zircaloy Under Thorough-Thickness Crack Growth"			
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED 07/20/2006 AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS Pennsylvania State University Attn: Arthur Motta Department of Mechanical & Nuclear Eng. 227 Reber Bldg. University Park, PA 16802	
12. NRC PROGRAM OFFICE (NAME & ADDRESS) U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Attn: Mr. Harold Scott, MS-T-10-K-8 Washington DC 20555 301-415-8715	13. ACCOUNTING & APPROPRIATION DATA APPN. NO: 31X0200.960 B&R NO: 9601511120 JOB CODE: G6055 BOC NO: 4110 OFFICE ID NO: RES-C09-708 (PPS)	14. METHOD OF PAYMENT <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) RPPA No. RES-07-064 (See Attach. 30 in Appendix A - "Electronic Payment")	
15. NRC OBLIGATION FUNDS THIS ACTION <u>\$0.00</u> PREVIOUS OBLIGATION <u>\$173,820.00</u> TOTAL <u>\$173,820.00</u>	16. TOTAL FUNDING AGREEMENT NRC <u>173,820.00</u> This action provides funds for Fiscal Year 2009 in the amount of \$0.0 RECIPIENT <u>\$0.00</u> See Page two for additional changes TOTAL <u>173,820.00</u>		
17. NRC ISSUING OFFICE (NAME AND ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sheila Bumpass, 301-492-3484 Mail Stop TWB-01-B10M Rockville, Maryland 20852-2746			
18. RECIPIENT  (Signature) _____ NAME (TYPED) <u>Timothy M. Stodart</u> TITLE <u>Assoc. Dir. of Sponsored Program</u> TELEPHONE NO. <u>814-865-1372</u>		19. NRC CONTRACTING OFFICER  (Signature) _____ NAME (TYPED) <u>Sheila Bumpass</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-492-3464</u>	
20. PAYMENT INFORMATION Payment will be made within thirty (30) days after receipt of the billing unless the bill is improper or the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in OMB Circular A-110. Payment will be made by: _____ Vouchers should be submitted in an original and three (3) copies on form 270 to: U.S. Nuclear Regulatory Commission Payment Team, Mail Stop T-9-H-4 Attn: (NRC-04-07-064) Washington DC 20555 (See address in block no. 17)			
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Institutions of Higher Education and Other Nonprofit Organizations". Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.			
22. ORDER OF PRECEDENCE In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.			
23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program			

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

JUN 11 2009

ADM002

The purpose of this modification is to extend the period of performance. The change as a result of this modification is as follows:

1. As a result of this modification the period of performance is hereby extended for four months. Delete all reference to the period of performance date in the grant and replace with:

April 20, 2007 – September 30, 2009
2. Funds obligated hereunder are available for program expenditures for the period of performance:

Total Estimated NRC Amount:	\$173,820.00
Total Obligated Amount Thru M002:	\$173,820.00
Total Obligated Amount:	\$173,820.00
Amount Remaining For Obligation:	\$0
DUNS No.:	003403953
RFPA No.:	RES-07-064
FFS:	RES-C09-708
Job Code:	G6055
BOC:	4110
B&R Number:	9601511120
Appropriation Number:	31X0200.960

All other terms and conditions remain the same