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

1. GRANT/AGREEMENT NO.	2. MODIFICATION NO.	3. PERIOD OFPERFORMANCE	4. AUTHORITY
NRC-04-04-055	M003	FROM: 03/08/2004 TO: 03/07/2007	Pursuant to Section 31a and 141b of the Atomic Energy Act of 1954, as amended

5. TYPE OF AWARD	6. ORGANIZATION TYPE	7. RECIPIENT NAME AND ADDRESS
[X] GRANT [ ] COOPERATIVE AGREEMENT	NON-PROFIT	PENNSYLVANIA STATE UNIVERSITY SYSTEM 408 OLD MAIN UNIVERSITY PARK PA 168022150

8. PROJECT TITLE:
"MECHANISTIC UNDERSTANDING OF FAILURE OF HYDRIDED ZIRCALOY UNDER SEVERE LOADING CONDITIONS"
This mod is for the obligation of $29,000 in incremental funding as shown below.

9. PROJECT WILL BE CONDUCTED	10. TECHNICAL REPORTS ARE REQUIRED	11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS
PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED EN030467 02/27/04 AND APPENDIX A-PROJECT GRANT PROVISIONS	[ ] PROGRESS AND FINAL [ ] FINAL ONLY [ ] OTHER (Conference Proceedings)	Dr. Arthur Motta Dept of Mechanical and Nuclear Engr The Pennsylvania State University 227 Reber Bldg University Park, PA 16808

12. NRC PROGRAM OFFICE (NAME & ADDRESS)	13. ACCOUNTING & APPROPRIATION DATA	14. METHOD OF PAYMENT
U.S. Nuclear Regulatory Commission Harold Scott Office of Nuclear Regulatory Research Mail Stop T-10 K8 Washington, DC 20555	APPN. NO: 31X0200 B&R NO: 56015111201 JOB CODE: G6923 BOC NO: 4110 OFFICE ID NO: RES-C05-339	[ ] ADVANCE BY TREASURY CHECK [ ] REIMBURSEMENT BY TREASURY CHECK [ ] LETTER OF CREDIT [X] OTHER (SPECIFY) (See Attach. 30 in Appendix A - "Electronic Payment")

15. NRC OBLIGATION FUNDS		16. TOTAL FUNDING AGREEMENT		
THIS ACTION	$29,000.00	NRC	$226,923.00	This action provides funds for Fiscal Year 05 in the amount of $29,000
PREVIOUS OBLIGATION	$131,000.00	RECIPIENT	0	
TOTAL	$160,000.00	TOTAL	$226,923.00	

17. NRC ISSUING OFFICE (NAME AND ADDRESS)

U.S. Nuclear Regulatory Commission
Division of Contracts
Two White Flint North - MS T-7-I-2
Attn: S. Pool
Washington, DC 20555

18. RECIPIENT	19. NRC CONTRACTING OFFICER
not needed (Signature) (Date)	Stephen M. Pool 5/5/05 (Signature) (Date)
NAME (TYPED)	NAME (TYPED) Stephen M. Pool
TITLE	TITLE Contracting Officer
TELEPHONE NO.	TELEPHONE NO. (301) 415-8168

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:

U.S. Nuclear Regulatory Commission
Payment Team
Mail Stop T-9H4
Attn: (NRC-04-04-055)
Washington DC 20555

Vouchers should be submitted in an original and three (3) copies on form 270 to:

U.S. Nuclear Regulatory Commission
Division of Contracts
Mail Stop T-7-I-2
Washington, DC 20555

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 SISP REVIEW COMPLETE ADM002