

APR 21 2000

U.S. NUCLEAR REGULATORY COMMISSION

NOTICE OF COOPERATIVE AGREEMENT

NRC-04-98-056

MODIFICATION NO. 5

The purpose of this modification is to:

- 1.) Correct the ceiling amount of this agreement to read "\$606,038" in lieu of "\$672,102".
- 2.) Modification No. 4 is also corrected to indicate that \$145,107 of the \$293,000 was to fully fund tasks 1 and 2 of Option Year 1.
- 3.) Decrease the total amount obligated in Modification No. 4 by \$1,296 from \$293,000 to \$291,704. The total amount obligated is revised to read \$606,038.

Template = ADM001

ADM02

1. COOPERATIVE AGREEMENT NO. NRC-04-98-056	2. MODIFICATION NO. Five	3. COOPERATIVE AGREEMENT PERIOD FROM: 8/24/98 TO: 11/30/2000
4. AUTHORITY Pursuant to Section 31a and 141b of the Atomic Energy Act of 1954, as amended	5. TYPE OF AWARD Cooperative Agreement	6. Cooperative Agreement TYPE University
7. COOPERATOR NAME AND ADDRESS University of Maryland Office of Research Administration and Advancement 2100 Lee Bldg. College Park, MD 20742	8. PROJECT TITLE: "PROBABILISTIC ASSESSMENT AND APPLICATIONS"	
9. PROJECT WILL BE CONDUCTED PER COOPERATOR'S REVISED PROPOSAL and DATED <u>n/a</u> AND APPENDIX A-PROJECT COOPERATIVE AGREEMENT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <u> x </u> PROGRESS AND FINAL <u> </u> FINAL ONLY <u> </u> OTHER (Conference Proceedings)	
11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS University of Maryland Materials and Nuclear Engineering Department Attn: Professor Mohammad Modarres 2100 Marie Mount Hall College Park, MD 20742	12. NRC PROGRAM OFFICE (NAME & ADDRESS) U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research ATTN: Roy Woods Washington, D.C. 20555 Telephone Number: (301) 415-6622	
13. ACCOUNTING & APPROPRIATION DATA APPN. NO: 31X0200.960 B&R NO: 06015110110 JOB CODE: K6007 BOC NO: 4110 RES ID: RES-C00-379	14. METHOD OF PAYMENT <u> X </u> ADVANCE BY ELECTRONIC PAYMENT (ACH) <u> </u> OTHER (SPECIFY)	
15. FUNDING SOURCES <u>SOURCE</u> NRC: THIS COOPERATIVE AGREEMENT AMOUNT IS: <u>\$606,038</u> THIS OBLIGATION AMOUNT: <u>\$ -1,296</u> PREVIOUS OBLIGATION <u>\$607,334</u> TOTAL FUNDING <u>\$606,038</u>		
16. TOTAL FUNDING AGREEMENT NRC: <u>\$606,038</u> COOPERATOR SHARE <u>\$ -0-</u> TOTAL <u>\$606,038</u>		

17. NRC ISSUING OFFICE (NAME AND ADDRESS)

U.S. Nuclear Regulatory Commission
 Division of Contracts and Property Management
 Office of Administration
 Washington, D.C. 20555

18. Cooperative Agreement

 (Signature) (Date)

NAME (TYPED) _____

TITLE _____

TELEPHONE No. _____

19. NRC Cooperative Agreement OFFICER


 (Signature) (Date)

NAME (TYPED) Mary H. Mace

TITLE Cooperative Agreements Officer

TELEPHONE No. (301) 415-7314

20. Cooperative Agreement PAYMENT INFORMATION

Payment will be made within thirty (30) days after receipt of the billing unless the bill is improper or the Cooperative Agreementtee has failed to comply with the program objectives, Cooperative Agreement award conditions, Federal reporting requirements or other conditions specified in OMB Circular A-110.

Payment will be made by:

U.S. Nuclear Regulatory Commission
 Office of Administration
 Division of Accounting and Finance, ATTN: GOV/COM Accounts
 Washington, D.C. 20555

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

U.S. Nuclear Regulatory Commission
 Division of Contracts and Property Management
 Mail Stop T7-I2
 Washington, D.C. 20555

21. Attached is a copy of the "NRC Project Cooperative Agreement Provisions for Institutions of Higher Education and Other Nonprofit Organizations." Acceptance of these terms and conditions is acknowledged when Federal funds are used on this Cooperative Agreement project.

22. ORDER OF PRECEDENCE

In the event of a conflict between the Cooperative Agreementtee's proposal and this Notice of Cooperative Agreement Award, the terms of the Notice of Cooperative Agreement Award shall prevail.

23. By this Cooperative Agreement Award, the Cooperative Agreementtee certifies that payment of any audit-related a debt will not reduce the level of performance of any Federal Program.