

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

1. GRANT/AGREEMENT NO. NRC-04-98-056		2. MODIFICATION NO. 16		3. PERIOD OF PERFORMANCE FROM: 8/24/98 TO: 2/9/2003		4. AUTHORITY Pursuant to Section 31a and 141b of the Atomic Energy Act of 1954, as amended	
5. TYPE OF AWARD <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT		6. ORGANIZATION TYPE		7. RECIPIENT NAME AND ADDRESS University of Maryland Department of Materials & Nuclear Engineering, Building 090 College Park, MD 20742			
8. PROJECT TITLE: Probabilistic Assessment and Applications							
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED		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 University of Maryland Materials & Nuclear Engineering Dept. ATTN: Prof. Mohammad Modarres 2100 Marie Mount Hall College Park, MD 20742 College Pa			
AND APPENDIX A-PROJECT GRANT PROVISIONS							
12. NRC PROGRAM OFFICE (NAME ADDRESS) U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research ATTN: Roy Woods Washington, DC 20555 301-415-6622		13. ACCOUNTING APPROPRIATION DATA APPN. NO: 31X0200.260 BR NO: 26015110203 JOB CODE: K6007 BOC NO: 4110 OFFICE ID NO: RES-C02-021		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) ACH (See Attach. 30 in Appendix A - "Electronic Payment")			
15. NRC OBLIGATION FUNDS		16. TOTAL FUNDING AGREEMENT					
THIS ACTION \$6,976.00		NRC \$1,461,458.00 This action provides funds for Fiscal Year 02 in the amount of \$7,000.00					
PREVIOUS OBLIGATION \$1,454,482.00		RECIPIENT 0					
TOTAL \$1,461,458.00		TOTAL \$1,461,458.00					
17. NRC ISSUING OFFICE (NAME AND ADDRESS) U.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Attn: T-7-I-2 Contract Management Branch Washington DC 20555							
18. RECIPIENT <i>Evan L. Crierie 5/3/02</i> Evan L. Crierie, Contract Manager Office of Research Administration & Advancement University of Maryland College Park, MD 20742-5141 Telephone: 301/405-6269 Fax: 301/314-9569				19. NRC CONTRACTING OFFICER <i>Mary H. Mace</i> (Signature) _____ (Date) APR 23 2002 NAME (TYPED) Mary H. Mace TITLE Contracting Officer TELEPHONE NO. 301-415-7314			
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 Office of the Chief Financial Officer Attn: GOV/COM Acctng. Section T-9H4 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							

U.S. NUCLEAR REGULATORY COMMISSION
COOPERATIVE AGREEMENT NO. NRC-04-98-056
MODIFICATION NO. 16

The purpose of this modification is to: (1) increase the ceiling amount, (2) increase the obligated amount, and (3) direct the University of Maryland to plan, organize and conduct a Probabilistic Risk Assessment (PRAB) Research Colloquium to provide a forum for extended, in-depth discussions. The objectives of the forum are to:

- improve understanding of PRAB mission, objectives, needs, and organizational environment
- improve understanding of PRAB technical activity objectives, approaches, and key results
- improve understanding of the capabilities and roles of different organizations supporting PRAB
- improve communication between participants
- provide feedback to participants regarding their technical work
- provide feedback to PRAB regarding its overall research program and individual activities.

As a result, of this modification, (1) the ceiling amount is hereby increased by \$6,976.00 from \$1,454,482.00 to \$1,461,458.00, and (2) the obligated amount is increased by \$6,976.00 from \$1,454,482.00 to \$1,461,458.00.

All other terms and conditions of this agreement remain unchanged.