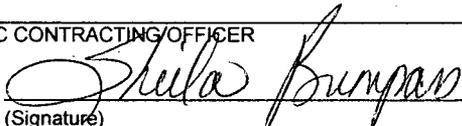


**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-07-084	2. MODIFICATION NO. 0007	3. PERIOD OF PERFORMANCE FROM: 06/19/2007 TO: 09/30/2010	4. AUTHORITY Pursuant to Section 31b 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 001425594	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS MASSACHUSETTS INSTITUTE OF TECHNOLOGY MIT 77 MASSACHUSETTS AVE CAMBRIDGE MA 021394301	
8. PROJECT TITLE: "Advanced Nuclear Technologies"			
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED 01/30/2007 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, ADDRESS and EMAIL ADDRESS Massachusetts Institute of Technology Attn: Mujid Kazimi, Director 77 Massachusetts Avenue Cambridge MA 02139-4301	
12. NRC PROGRAM OFFICE (NAME and ADDRESS) U.S. Nuclear Regulatory Commission Attn: Raymond Skarda Mail Stop: CSB/C3A7M 11545 Rockville Pike Rockville MD 20852 301-251-7969	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200.060 B&R NO: 060-15-171-277 JOB CODE: K6436 BOC NO: 4110 OFFICE ID NO: RES07084/RESC10700	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) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")	
15. NRC OBLIGATION FUNDS THIS ACTION <u>0.0</u> PREVIOUS OBLIGATION <u>\$750,000.00</u> TOTAL <u>\$750,000.00</u>		16. TOTAL FUNDING AGREEMENT NRC <u>\$750,000.00</u> RECIPIENT _____ TOTAL <u>\$750,000.00</u> This action provides funds for Fiscal Year _____ in the amount of _____ See page 2	
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Erika Eam Mail Stop: TWB-01-B10M Washington, DC 20555			
18. Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award.		19. NRC CONTRACTING OFFICER <div style="text-align: right;">  (Signature) _____ (Date) <u>6/18/2010</u> </div> NAME (TYPED) <u>Sheila Bumpass</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-492-3484</u>	
20. PAYMENT INFORMATION Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).			
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. 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 - ADMIN

SUNSI REVIEW COMPLETE

JUL 6 2010

ADMIN

NRC-04-07-084

Modification 7

The purpose of this no cost modification is to extend the period of performance of this Cooperative Agreement. Specific changes are as follows:

US Nuclear Regulatory Commission, Notice of Grant/Assistance Award form, **Block 3, Period of Performance, delete in its entirety and replace with the following, "Period of Performance FROM 06/19/2007 TO 09/30/2010".**

All other terms and conditions will remain the same.