

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

1. GRANT/AGREEMENT NO. NRC-HQ-12-G-04-0083	2. MODIFICATION NO. M002	3. PERIOD OF PERFORMANCE FROM: 09/28/2012 TO: 03/27/2015	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 Public Institution of Higher Learning DUNS: 073133571 NACIS: 611310	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS Regents of the University of Michigan 3003 South State Street 1072 Wolverine Tower Ann Arbor, MI 48109-1274 Email: ebrock@umich.edu	

8. PROJECT TITLE:
Multi-scale Thermal Hydraulic Tool for Nuclear Power Plant Safety Analyses

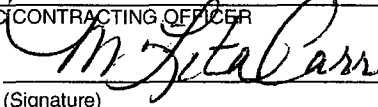
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED NRC AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <input type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input checked="" type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Regents of the University of Michigan Attn: Annalisa Manera 3003 South State Street 1072 Wolverine Tower Ann Arbor, MI 48109-1274 Email: manera@umich.edu
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12. NRC PROGRAM OFFICE (NAME and ADDRESS) Attn: Heather Dempsey, Heather.Dempsey@nrc.gov Office of Regulatory Research MS: CS C6-D20, (301) 251-7666 11545 Rockville Pike Rockville, Maryland 20852 Andrew Ireland, Tech Analyst, Andrew.Ireland@nrc.gov	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200 B&R NO: 2013-60-11-6-174 JOB CODE: G6024 BOC NO: 4110 OFFICE ID NO: RES-13-328 FAIMIS: GR0339	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")
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15. NRC OBLIGATION FUNDS	16. TOTAL FUNDING AGREEMENT
THIS ACTION <u>\$48,628.00</u>	NRC <u>\$252,269.00</u>
PREVIOUS OBLIGATION <u>\$102,000.00</u>	RECIPIENT <u>\$0.00</u>
TOTAL <u>\$150,628.00</u>	TOTAL <u>\$252,269.00</u>

This action provides funds for Fiscal Year FY2013 in the amount of \$48,628.00

17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)
U.S. Nuclear Regulatory Commission
Div. of Contracts
M'Lita Carr, MLita.Carr@nrc.gov
Mail Stop: 3WFN/05C064M
Rockville, MD 20852

18. Signature Not Required	19. NRC CONTRACTING OFFICER  (Signature) NAME (TYPED) <u>M'Lita Carr</u> TITLE <u>Grants Officer</u> TELEPHONE NO. <u>(301) 287-0909</u>
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8/12/10
(Date)

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.

DESCRIPTION OF MODIFICATION:

The purpose of this modification M002 is:

1. Provide incremental funding in the amount of \$48,628.00;

As a result of this modification:

1. The obligated amount has increased by \$48,628.00 from \$102,000.00 to \$150,628.00

Base Period: September 28, 2012 – March 27, 2015 (unchanged)

Total Grant Amount: \$252,269.00 (unchanged)

Total Obligated Amount: \$150,628.00 (changed)

All terms and conditions remain the same.