

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

1. GRANT/AGREEMENT NO. NRC-04-04-076	2. MODIFICATION NO. M006 (Actual)	3. PERIOD OF PERFORMANCE FROM: 07-26-2004 TO: 12/31/2006	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 NON-Profit/ DUNS No. 071650709	7. RECIPIENT NAME AND ADDRESS OHIO STATE UNIVERSITY RESEARCH FOUNDATION 1960 KENNY RD COLUMBUS OH 432101016	

8. PROJECT TITLE:
COOPERATIVE AGREEMENT BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND OHIO STATE UNIVERSITY ON RESEARCH ON INSTRUMENTATION AND CONTROL RELIABILITY, THERMAL-HYDRAULICS, AND WASTE MANAGEMENT



9. PROJECT WILL BE CONDUCTED UNDER GOVERNMENT'S/RECIPIENT'S ROPOSAL(S) DATED April 7, 2004 N.D. 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 AND ADDRESS Ohio State University ATTN: Dr. Xiaodong Sun 1960 Kenny Road Columbus Ohio 43210-1063
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12. NRC PROGRAM OFFICE (NAME & ADDRESS) U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research ATTN: Mr. Steven Arndt, MS-T10-D20 Washington, DC 20555 301-415-6502	13. ACCOUNTING & APPROPRIATION DATA APPN. NO: 0 B&R NO: JOB CODE: BOC NO: OFFICE ID NO:	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) DUNS #071650709 (See Attach. 30 In Appendix A - "Electronic Payment")
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15. NRC OBLIGATION FUNDS THIS ACTION \$0.00 PREVIOUS OBLIGATION \$1,460,000.00 TOTAL \$1,460,000.00	16. TOTAL FUNDING AGREEMENT NRC \$1,679,487 This action provides funds for Fiscal Year 06 in the amount of \$0.00 RECIPIENT TOTAL \$1,679,487
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17. NRC ISSUING OFFICE (NAME AND ADDRESS)

U.S. Nuclear Regulatory Commission
Div. of Contracts
Attn: Mr. Michael Mills
Mail Stop T-7-I-2
Washington, DC 20555

18. RECIPIENT  6/22/06 (Signature) (Date) NAME (TYPED) <u>Kim C. Carter</u> TITLE <u>Associate Director, Office of Grants & Contracts</u> TELEPHONE NO. _____	19. NRC CONTRACTING OFFICER  6/14/06 (Signature) (Date) NAME (TYPED) <u>Donald A. King</u> TITLE <u>Contracting Officer</u> TELEPHONE NO. <u>301-415-6731</u>
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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
Payment Team, Mail Stop T-9-H-4
Attn: NCR-04-04-076

Washington DC 20555

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

SUNSI REVIEW COMPLETE

ADM002

NRC-04-04-076

Modification No. 006 (Partial)

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The purpose of this cooperative agreement modification is to: (1) extend the period of performance from July 25, 2006 to December 31, 2006 at no cost, and (2) change the Principal Investigator from Dr. Audeen Fentiman to Dr. Xiaodong Sun. Accordingly, the cooperative agreement is hereby modified as follows:

1. Block 3 of the Agreement is deleted in its entirety and replaced with the following:
"3. PERIOD OF PERFORMANCE
From: 07/26/2004 To: December 31, 2006"
2. Block 11 of the Agreement is deleted in its entirety and replaced with the following:
"11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS
Ohio State University
ATTN: Dr. Xiaodong Sun
1960 Kenny Rd.
Columbus, OH 43210-1063"

A summary of obligations for this cooperative agreement, from the award date through the date of this action is provided below:

Total FY04 Obligations	\$ 350,000
Total FY05 Obligations	\$ 510,000
Total FY06 Obligations	\$ 600,000
Cumulative Obligations	\$1,460,000.00

This modification does not obligate any funds.

All other terms and conditions of the cooperative agreement remain unchanged.