

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

<b>1. GRANT/AGREEMENT NO.</b> NRC-38-09-951	<b>2. MODIFICATION NO.</b> M002	<b>3. PERIOD OF PERFORMANCE</b> FROM: 8/10/2009 TO: 8/09/2013	<b>4. AUTHORITY</b> Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended												
<b>5. TYPE OF AWARD</b>  <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	<b>6. ORGANIZATION TYPE</b> Public State-Controlled Institution of Higher Education  DUNS: 003137015 NAICS: 611310	<b>7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS</b> Virginia Polytechnic Institute and State University 1880 Pratt Drive Suite 2006 (0170) Blacksburg, VA 24060													
<b>8. PROJECT TITLE:</b> <p align="center"><b>NRC Faculty Development Program at Virginia Tech</b></p>															
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b>  See Program Description AND APPENDIX A-PROJECT GRANT PROVISIONS	<b>10. TECHNICAL REPORTS ARE REQUIRED</b> <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	<b>11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS</b> Dr. Eugene F. Brown Virginia Polytechnic Institute and State University 112 Randolph Hall Blacksburg, VA 24060 Email: efbrown@vt.edu Phone: (540) 231-7199													
<b>12. NRC PROGRAM OFFICE (NAME and ADDRESS)</b> NRC ATTN: Nancy Hebron-Isreal Office of Human Resources MS: GW5E03 (301) 492-2231 11545 Rockville Pike Rockville, Maryland 20852 Nancy.Hebron-Isreal@nrc.gov	<b>13. ACCOUNTING and APPROPRIATION DATA</b> APPN. NO: 31X0200 B&R NO: 9-8415-5C1115 JOB CODE: T8460 BOC NO: 4110 OFFICE ID NO: HR-12-377 FAMIS/APP	<b>14. METHOD OF PAYMENT</b> <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")													
<b>15. NRC OBLIGATION FUNDS</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">\$0.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$450,000</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$450,000</b></td> </tr> </table>		THIS ACTION	\$0.00	PREVIOUS OBLIGATION	\$450,000	<b>TOTAL</b>	<b>\$450,000</b>	<b>16. TOTAL FUNDING AGREEMENT</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">NRC</td> <td style="width:50%; text-align: right;">\$450,000</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$450,000</b></td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year 2012 in the amount of \$0.00 – Fully Funded in 2009</p>		NRC	\$450,000	RECIPIENT	\$0.00	<b>TOTAL</b>	<b>\$450,000</b>
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<b>17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)</b>  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: <a href="mailto:Mark.Lohrmann@nrc.gov">Mark.Lohrmann@nrc.gov</a> Mail Stop: TWB-01-B10M Rockville MD 20852															
<b>18.</b>  Signature Not Required		<b>19. NRC CONTRACTING OFFICER</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; text-align: center;"><i>Mark Lohrmann</i></td> <td style="width:30%; text-align: center;">8/07/2012</td> </tr> <tr> <td style="text-align: center;">(Signature)</td> <td style="text-align: center;">(Date)</td> </tr> <tr> <td>NAME (TYPED)</td> <td><u>Mark Lohrmann</u></td> </tr> <tr> <td>TITLE</td> <td><u>Contracting Officer</u></td> </tr> <tr> <td>TELEPHONE NO.</td> <td><u>301-492-3461</u></td> </tr> </table>		<i>Mark Lohrmann</i>	8/07/2012	(Signature)	(Date)	NAME (TYPED)	<u>Mark Lohrmann</u>	TITLE	<u>Contracting Officer</u>	TELEPHONE NO.	<u>301-492-3461</u>		
<i>Mark Lohrmann</i>	8/07/2012														
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<b>20. PAYMENT INFORMATION</b>  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).															
<b>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.</b>															
<b>22. ORDER OF PRECEDENCE</b> In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.															
<b>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.</b>															

**TEMPLATE - ADM001**

**SUNSI REVIEW COMPLETE**

**ADM002**

**DESCRIPTION OF MODIFICATION:**

The purpose for modification number M002 is to:

1) Extend the period of performance:

- A. Block 3 of the US Nuclear Regulatory Commission, Notice of Grant / Assistance Award, delete in its entirety and replace with the following:

"PERIOD OF PERFORMANCE  
FROM: 08/10/2009 TO: 08/09/2013"

2) Change the Principal Investigator, in Block 11, as follows:

From: Dr. Kenneth Ball

To: Dr. Eugene F. Brown

3) Revise NRC grant funds budget as follows:

<b>Cost Category</b>	<b>Original NRC Budget</b>	<b>Change In Budget</b>	<b>Revised NRC Budget</b>
<b>Personnel</b>	<b>\$215,103</b>	<b>(53,993)</b>	<b>\$161,110</b>
<b>Fringe Benefits</b>	<b>\$71,520</b>	<b>(60,394)</b>	<b>\$11,126</b>
<b>Travel- Domestic</b>	<b>\$0</b>	<b>\$68,000</b>	<b>\$68,000</b>
<b>Travel- Foreign</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Equipment</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Supplies</b>	<b>\$0</b>	<b>\$16,427</b>	<b>\$16,427</b>
<b>Contractual Svcs.</b>	<b>\$0</b>	<b>\$4,064</b>	<b>\$4,064</b>
<b>Others (tuition)</b>	<b>\$0</b>	<b>\$42,975</b>	<b>\$42,975</b>
<b>Total Direct Costs</b>	<b>\$286,623</b>	<b>\$17,079</b>	<b>\$303,702</b>
<b>Indirect Costs</b>	<b>\$163,377</b>	<b>(17,079)</b>	<b>\$146,298</b>
<b>TOTAL</b>	<b>\$450,000</b>	<b>\$0</b>	<b>\$450,000</b>

***All other terms and conditions remain unchanged.***