

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

1. GRANT/AGREEMENT NO. NRC-HQ-12-G-38-0010	2. MODIFICATION NO. M002	3. PERIOD OF PERFORMANCE FROM: 4/1/2012 TO: 9/30/2014	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  Non Profit with 501C3 Status DUNS: 073371346 NAICS: 611310	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS  San Diego State University 5250 Campanile Dr San Diego, CA92182	

8. PROJECT TITLE:  
**Environmental Radiation Dose Measurement, Modeling, and Communication**

9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED  See Program Description 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 San Diego State University Department of Physics, College of Sciences Attn: Patrick Papin Email: <a href="mailto:ppapin@sciences.sdsu@rd">ppapin@sciences.sdsu@rd</a>
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12. NRC PROGRAM OFFICE (NAME and ADDRESS) NRC Attn: Tanya Parwani-Jaimes Office of the Chief Human Capital Officer MS: 3WFN - 03A44M (301) 287-0730 11545 Rockville Pike Rockville, Maryland 20852 Email: <a href="mailto:Tanya.Parwani-Jaimes@NRC.GOV">Tanya.Parwani-Jaimes@NRC.GOV</a>	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200 B&R NO: 2012-84-51-K-164 JOB CODE: T8458 BOC NO: 4110 OFFICE ID NO: RFPA: HR-13-464	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>\$0.00</u>	NRC <u>\$199,661.00</u> This action provides funds for Fiscal Year FY2013 in the amount of \$0.00
PREVIOUS OBLIGATION <u>\$199,661.00</u>	RECIPIENT <u>\$0.00</u>
TOTAL <u>\$199,661.00</u>	TOTAL <u>\$199,661.00</u>

17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)

U.S. Nuclear Regulatory Commission  
Div. of Contracts  
Attn: Gordana Zuber, [Gordana.zuber@nrc.gov](mailto:Gordana.zuber@nrc.gov)  
Mail Stop: 3WFNO5C64M  
Rockville MD 20852

18.  Signature Not Required	19. NRC CONTRACTING OFFICER  <u>Shashi Malhotra</u> <u>08/09/2013</u> (Signature) (Date) NAME (TYPED) <u>Shashi Malhotra</u> TITLE <u>Grants Officer</u> TELEPHONE NO. <u>301-287-0940</u>
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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 for modification number M002:

1. To realign the budget to move funds from "Supplies" and "Indirect Cost" to the "Personnel", "Fringe Benefits", and "Equipment".

The revised cost breakdown and cost analysis are as follows:

<b>Category</b>	<b>Original</b>	<b>Change in Budget</b>	<b>Revised</b>
Personnel	\$42,849.00	\$3,995.00	\$46,844.00
Fringe Benefits	\$16,145.00	\$570.00	\$16,715.00
Equipment	\$101,000.00	\$1,099.00	\$102,099.00
Supplies	\$7,000.00	-\$5,300.00	\$1,700.00
Total Direct Cost	\$166,994.00		\$167,358.00
Indirect Cost	\$32,667.00	-\$346.00	\$32,303.00
<b>Total Direct Charges</b>	<b>\$199,661.00</b>	<b>\$0.00</b>	<b>\$199,661.00</b>

2. As a result of this modification:

ATTACHMENT A – SCHEDULE, Section A.3 BUDGET, deletes in its entirety and replace with the following:

<b>Category</b>	<b>Revised</b>
Personnel	\$46,844.00
Fringe Benefits	\$16,715.00
Equipment	\$102,099.00
Supplies	\$1,700.00
Total Direct Cost	\$167,358.00
Indirect Cost	\$32,303.00
<b>Total Direct Charges</b>	<b>\$199,661.00</b>

Base Period: April 1, 2012 – September 30, 2014

Assistance Award Ceiling: \$199,661.00

Total Obligated Amount: \$199,661.00

All Other Terms and Conditions Remain the Same