

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

1. GRANT/AGREEMENT NO. NRC-04-10-128	2. MODIFICATION NO. M004	3. PERIOD OF PERFORMANCE FROM: 08/01/2010 TO: 07/31/2013	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 Public State Controlled Institution of Higher Education DUNS: 124726725 NAICS: 611310	7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS The Regents of The University of California, Berkeley 2150 Shattuck Ave Suite 313 Berkeley CA 94704-5940 Email: spo_grants_gov@lists.berkeley.edu																
8. PROJECT TITLE: <p align="center">Engineering Evaluation of Post-Liquefaction Residual Strength</p>																		
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 Dr. Raymond Seed The Regents of The University of California, Berkeley 423 Davis Hall Berkeley, CA 94720 Email: seed@ce.berkeley.edu																
12. NRC PROGRAM OFFICE (NAME and ADDRESS) U.S. Nuclear Regulatory Commission Attn: Robin Barnes, Robin.BarnesRES@nrc.gov Tel. (301)251-7401 Mail Stop: CSB C-6 D20 Washington, DC 20555 Thomas Weaver, TA, Thomas.Weaver@nrc.gov	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31x0200 B&R NO: 2012-60-17-6-161 JOB CODE: K6936 BOC NO: 4110 OFFICE ID NO: RES-12-357 ESS: GR0251	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 <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">THIS ACTION</td> <td style="width:30%; text-align: right;">\$13,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$214,000.00</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$227,000.00</td> </tr> </table>	THIS ACTION	\$13,000.00	PREVIOUS OBLIGATION	\$214,000.00	TOTAL	\$227,000.00	16. TOTAL FUNDING AGREEMENT <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">NRC</td> <td style="width:30%; text-align: right;">\$413,339.00</td> <td style="width:40%;"></td> </tr> <tr> <td>RECIPIENT</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$413,339.00</td> <td></td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year 2012 in the amount of \$13,000.00</p>			NRC	\$413,339.00		RECIPIENT			TOTAL	\$413,339.00	
THIS ACTION	\$13,000.00																	
PREVIOUS OBLIGATION	\$214,000.00																	
TOTAL	\$227,000.00																	
NRC	\$413,339.00																	
RECIPIENT																		
TOTAL	\$413,339.00																	
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Division of Contracts Attn: M'Lita R. Carr, MLita.Carr@nrc.gov Mail Stop: TWB-01-B10M Washington, DC 20555																		
18. Signature Not Required	19. NRC CONTRACTING OFFICER <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; text-align: center;"><i>M'Lita R. Carr</i></td> <td style="width:30%; text-align: center;">08/23/2012</td> </tr> <tr> <td style="text-align: center;">(Signature)</td> <td style="text-align: center;">(Date)</td> </tr> <tr> <td>NAME (TYPED)</td> <td>M'Lita R. Carr</td> </tr> <tr> <td>TITLE</td> <td>Grants Officer</td> </tr> <tr> <td>TELEPHONE NO.</td> <td>301-492-3464</td> </tr> </table>			<i>M'Lita R. Carr</i>	08/23/2012	(Signature)	(Date)	NAME (TYPED)	M'Lita R. Carr	TITLE	Grants Officer	TELEPHONE NO.	301-492-3464					
<i>M'Lita R. Carr</i>	08/23/2012																	
(Signature)	(Date)																	
NAME (TYPED)	M'Lita R. Carr																	
TITLE	Grants Officer																	
TELEPHONE NO.	301-492-3464																	
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 004 is to:

1. Provide incremental funding in the amount of \$13,000.00.

As a result of this modification:

1. The obligated amount has increased by \$13,000.00 from \$214,000.00 to \$227,000.00.

Base Period: August 1, 2010 – July 31, 2013 (unchanged)
Assistance Award Ceiling: \$413,339.00 (unchanged)
NRC Total Obligated Amount: \$227,000.00 (changed)

All terms and conditions remain the same.