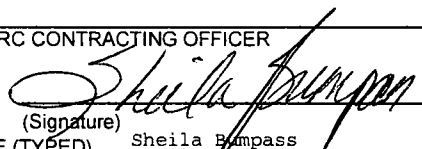


**U.S. NUCLEAR REGULATORY COMMISSION  
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-10-128		2. MODIFICATION NO. M002		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 REGENTS OF THE UNIVERSITY OF CALIFORNIA, THE UNIVERSITY OF CALIFORNIA, BERKELEY  2150 SHATTUCK AVE RM 313 BERKELEY CA 947045940			
8. PROJECT TITLE: Engineering Evaluation of Post-Liquefaction Residual Strength							
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 University of CA, Berkeley 423 Davis Hall Berkeley, CA Email: RMSeed6@aol.com			
12. NRC PROGRAM OFFICE (NAME and ADDRESS) U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Attn: Robin Barnes Mail Stop CSB C-6-D20 Washington, DC 20555 Tel. (301)251-7401 Thomas Weaver, TA		13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31x0200.160 B&R NO: 2011-60-17-6-161 JOB CODE: K6936 BOC NO: 4110 OFFICE ID NO: RES-11-173 FSS: GR0021		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  THIS ACTION \$80,000.00  PREVIOUS OBLIGATION \$84,000.00  TOTAL \$164,000.00		16. TOTAL FUNDING AGREEMENT  This action provides funds for Fiscal Year 2011 in the amount of \$80,000.00  NRC \$413,339.00  RECIPIENT _____  TOTAL \$413,339.00					
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: M'Lita R. Carr Mail Stop TWB-01B10M Washington, DC 20555 MLita.Carr@nrc.gov							
18.  Signature Not Required				19. NRC CONTRACTING OFFICER  <div style="text-align: center;"> (Signature) NAME (TYPED) Sheila Bumpass  TITLE Contracting Officer  TELEPHONE NO. 301-492-3484</div> <div style="text-align: right;">7/7/11 (Date)</div>			
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.							

**TEMPLATE - ADM001**

**SUNSI REVIEW COMPLETE**

**ADM002**

**DESCRIPTION OF MODIFICATION**

The purpose for modification number 002 is to:

1. Provide incremental funding in the amount of \$80,000.00;
2. Change NRC Project Manager;
3. Add Financial and Performance reporting requirements.

As a result of this modification:

1. The obligated amount has increased from by \$80,000.00 from \$84,000.00 to \$164,000.00;
2. Robin Barnes has replaced Richard Rivera-Lugo as the NRC Project Manager and Mr. Thomas Weaver is hereby designated as the Technical Analyst;
3. In section b. entitled "Federal Financial Reports" under Monitoring and Reporting delete and replace with the following:

**"b. Federal Financial Reports**

Effective October 1, 2009, NRC transitioned from the SF-269, SF-269A, SF-272, and SF- 272A to the Federal Financial Report (SF-425) as required by OMB:

Federal Register Notice: [http://www.whitehouse.gov/omb/fedreg/2008/081308\\_ffr.pdf](http://www.whitehouse.gov/omb/fedreg/2008/081308_ffr.pdf)

Federal Financial Report Form (SF-425): [http://www.whitehouse.gov/omb/grants\\_forms/](http://www.whitehouse.gov/omb/grants_forms/)

The Recipient shall submit a Federal Financial Report (SF-425) on a quarterly basis, for the periods ending 3/31, 6/30, 9/30 and 12/31. Reports are due within 30 calendar days following the end of each reporting period. The reports must be emailed to Grants\_FFR@nrc.gov. "

4. In section III. Programmatic Requirements section entitled "Performance (Technical) Reports" add the following:

"c. The required performance (technical) reports must be emailed to Grants\_PPR@nrc.gov."

Base Period: August 1, 2010 – July 31, 2013 (unchanged)

Assistance Award Ceiling: \$413,339.00 (unchanged)

NRC Total Obligated Amount: \$164,000.00 (changed)

All terms and conditions remain the same.