



A center of excellence in earth sciences and engineering®

Geosciences and Engineering Division
6220 Culebra Road • San Antonio, Texas, U.S.A. 78238-5166
(210) 522-5160 • Fax (210) 522-5155

September 15, 2011
Contract No. NRC-02-07-006
Account No. 20.14002.01.441
06300001

Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Dr. King Stablein
Office of Nuclear Material Safety and Safeguards
Division of High-Level Waste Repository Safety
Mail Stop EBB-2-BO2
Washington, DC 20555

Subject: Seismic Effects on Soil-Structure Interactions—Final Report
(IM 14002.01.441.172)

Dear Dr. Stablein:

This letter retransmits the subject report, incorporating the comments provided by the U.S. Nuclear Regulatory Commission (NRC) on the original report transmitted on July 26, 2011.

The Center for Nuclear Waste Regulatory Analyses (CNWRA®) received NRC comments on the original draft report in an email dated August 9, 2011. The changes made to the report by CNWRA staff in response to the NRC review are documented in Version 17.0 (dated September 2, 2011) of the following SharePoint document:

YM Licensing Review > Knowledge Management > Knowledge Capture Reports
> Hsiung_Seismic Effects on Soil-Structure Interactions_172 >
NRC_Review_172_Hsiung_Seismic Effects on Soil-Structure Interactions

The NRC staff indicated in an email dated August 10, 2011, that the revised report was acceptable. The final formatted version of the report is preserved at the SharePoint location shown above.



Washington Office
1801 Rockville Pike, Suite 105 • Rockville, Maryland 20852-1633

Dr. King Stablein
September 15, 2011
Page 2

Please contact Jude McMurry at (210) 522-6935 or me at (210) 522-5582 if you have any questions regarding this report.

Sincerely yours,



David Pickett
Senior Program Manager
Integrated Spent Fuel Regulatory
Program—Geologic Disposal

DP/ar

Enclosure

cc:

NRC

D. DeMarco
R. Jackson
V. Whipple
L. Kokajko
A. Mohseni
J. Davis
J. Rubenstone
J. Guttman
Y. Kim
T. McCartin
B. Hill
P. Hall
M. Nataraja
B. Jagannath
R. Fedors

CNWRA

W. Patrick
B. Sagar
J. McMurry
Program Managers
Group Managers
S. Hsiung
A. Chowdhury
M. Padilla

SwRI

Record Copy B—IQS