

Mark T. Finley  
Senior Vice President, Regulatory Affairs & Engineering

750 East Pratt Street, Suite 1400  
Baltimore, Maryland 21202



10 CFR 50.4  
10 CFR 52.79

August 1, 2012

UN#12-080

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**Subject:** UniStar Nuclear Energy, NRC Docket No. 52-016  
Response to Request for Additional Information for the  
Calvert Cliffs Nuclear Power Plant, Unit 3,  
RAIs 284 and 322, Vibratory Ground Motion

**References:**

- 1) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "FINAL RAI 284 RGS2 5295" email dated January 21, 2011
- 2) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "FINAL RAI 322 RGS1 6031" email dated September 29, 2011
- 3) UniStar Nuclear Energy Letter UN#12-017, from Mark Finley to Document Control Desk, U.S. NRC, Updated RAI Closure Plan, dated February 21, 2012

The purpose of this letter is to respond to the requests for additional information (RAIs) identified in the NRC e-mail correspondence to UniStar Nuclear Energy, dated June 21, 2011 and September 29, 2011 (References 1 and 2 respectively). These RAIs address Vibratory Ground Motion, as discussed in Section 2.5.2 of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 Combined License Application (COLA), Revision 8.

Reference 3 indicated that a response to RAI 284, Question 02.05.02-22 and RAI 322, Question 02.05.02-23 would be provided to the NRC by August 31, 2012. UniStar Nuclear Energy requires additional time to finalize the response to RAI 284, Question 02.05.02-22 and RAI 322, Question 02.05.02-23. The response to RAI 284, Question 02.05.02-22 and RAI 322, Question 02.05.02-23 will be provided by September 27, 2012.

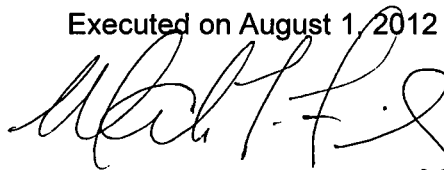
DOG  
NRC

There are no regulatory commitments identified in this letter. This letter does not contain any sensitive or proprietary information.

If there are any questions regarding this transmittal, please contact me at (410) 369-1907, or Mr. Wayne A. Massie at (410) 369-1910.

*I declare under penalty of perjury that the foregoing is true and correct.*

Executed on August 1, 2012

A handwritten signature in black ink, appearing to read 'Mark T. Finley', written in a cursive style.

Mark T. Finley

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch  
Laura Quinn-Willingham, NRC Environmental Project Manager, U.S. EPR COL Application  
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application  
Patricia Holahan, Acting Deputy Regional Administrator, NRC Region II  
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2  
David Lew, Deputy Regional Administrator, NRC Region I