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10 CFR 50.4
10 CFR 52.79

April 8, 2010

UN#10-109

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,
RAI No. 144, Other Seismic Category I Structures
RAI No. 145, Foundations

Reference: UniStar Nuclear Energy Letter UN#10-087, from Greg Gibson to Document
Control Desk, U.S. NRC, RAI No. 144, Other Seismic Category I Structures and
RAI No. 145, Foundations, dated March 29, 2010

The purpose of this letter is to provide updated schedule information for the responses to Request for Additional Information (RAI) 144 and RAI 145. RAI 144 and RAI 145 address "Other Seismic Category I Structures" and "Foundations," as discussed in Section 3.8 of the Final Safety Analysis Report, as submitted in Part 2 of the Calvert Cliffs Nuclear Power Plant, Unit 3 Combined License Application (COLA), Revision 6.

The referenced letter stated that a schedule for the responses for RAI 144 and RAI 145 would be provided by April 9, 2010. UniStar Nuclear Energy (UNE) is working with its partners to develop and finalize a liner/monitoring system for the Nuclear Island (NI) to address the low pH groundwater. This liner system affects the sliding and overturning analyses. In addition, UNE is evaluating the friction factors used in the sliding analysis of the non-NI safety-related structures. These two issues directly or indirectly affect much of the discussion in FSAR Section 3.8.4,

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3.8.5 and Appendix 3E. UNE intends to provide a response to all of the RAI 144 and 145 questions concurrently with a comprehensive markup of the affected FSAR sections.

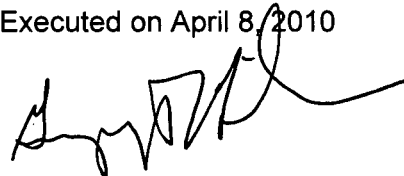
Submittal of the RAI 144 and RAI 145 responses and the updated FSAR sections will be provided to the NRC by July 23, 2010.

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

If there are any questions regarding this transmittal, please contact me at (410) 470-4205, or Mr. Wayne A. Massie at (410) 470-5503.

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

Executed on April 8, 2010

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a long horizontal flourish extending to the right.

Greg Gibson

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch
Laura Quinn, NRC Environmental Project Manager, U.S. EPR COL Application
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application
Loren Plisco, Deputy Regional Administrator, NRC Region II
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2
U.S. NRC Region I Office