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10 CFR 50.4  
10 CFR 52.79

February 10, 2012

UN#12-016

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016  
Response to Requests for Additional Information for the  
Calvert Cliffs Nuclear Power Plant, Unit 3:  
RAI 325, Information Systems Important to Safety,  
RAI 328, Flooding Protection Requirements,  
RAI 330, RAI 331, RAI 332, RAI 336, Ultimate Heat Sink,  
RAI 333, Other Seismic Category I Structures, and  
RAI 337, Initial Plant Test Program – Design Certification and New License  
Applicants

References: 1) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final  
RAI 325 ICE1 6066," email dated October 12, 2011  
2) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final  
RAI 328 RHEB 6186," email dated November 28, 2011  
3) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final  
RAI 330 SBPA 6212," email dated January 11, 2012  
4) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final  
RAI 331 SBPA 6221," email dated January 20, 2012  
5) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final  
RAI 332 SBPA 6228," email dated January 20, 2012

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- 6) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final RAI 333 SEB2 6214," email dated January 20, 2012
- 7) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final RAI 336 SBPA 5230," email dated January 20, 2012
- 8) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "Final RAI 337 CQVP 6235," email dated February 9, 2012
- 9) UniStar Nuclear Energy Letter UN#11-290, from Mark T. Finley to Document Control Desk, U.S. NRC, Updated RAI Closure Plan, dated November 30, 2011
- 10) UniStar Nuclear Energy Letter UN#11-301, from Mark T. Finley to Document Control Desk, U.S. NRC, RAI No. 328, Flooding Protection Requirements, dated December 20, 2011

The purpose of this letter is to respond to the requests for additional information (RAIs) identified in the referenced NRC e-mail correspondences to UniStar Nuclear Energy (UNE), (References 1 through 8). This letter also provides updated schedule information for the responses to RAI 325 (Reference 1) and RAI 328 (Reference 2). Reference 9 indicated that the RAI 325 response would be provided by April 15, 2012 and Reference 10 indicated that the RAI 328 response would be provided by May 21, 2012.

References 1 through 8 either address or are related to the Ultimate Heat Sink (UHS), as discussed in Section 9.2.5 of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the Calvert Cliffs Nuclear Power Plant, Unit 3 Combined License Application (COLA), Revision 7. Due to the interrelation of these UHS System RAI questions, UNE is coordinating them into a single response schedule.

### **RAI Response Schedule**

In light of the number of RAI questions received on the UHS System, UNE is currently reevaluating aspects of the UHS System design. The attached UHS RAI response schedule reflects the additional time needed to address this issue.

The enclosed Table 1 presents a UHS RAI Response Schedule and also identifies if the RAI response is directly related to the UHS Makeup System. For example, RAI 331 (Reference 4) is not directly related to the UHS Makeup System but UNE will address it with other UHS RAIs.

Our response does not include any new regulatory commitments and does not impact COLA content. 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 February 10, 2012



Mark T. Finley

Enclosure: Table 1 – UHS RAI Response Schedule, Calvert Cliffs Nuclear Power Plant,  
Unit 3

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 (w/o enclosure)  
Patricia Holahan, Acting Deputy Regional Administrator, NRC Region II (w/o enclosure)  
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2  
David Lew, Deputy Regional Administrator, NRC Region I (w/o enclosure)

**Enclosure**

**Table 1 – UHS RAI Response Schedule  
Calvert Cliffs Nuclear Power Plant, Unit 3**

Table 1 – UHS RAI Response Schedule				
Activity	RAI Number	Question	Related to UHS Makeup System	UNE Response Date to NRC
Information Systems Important to Safety	325	7.05-1	Yes	6/22/2012
		7.05-2	No	4/15/2012
Flooding Protection Requirements	328	02.04.10-1	Yes	6/22/2012
UHS Makeup Traveling Screens	330	09.02.05-20	Yes	6/22/2012
UHS Tower Interference	331	09.02.05-21	No	5/21/2012
UHS Makeup Layup	332	09.02.05-22	Yes	6/22/2012
Other Category I Structures	333	03.08.04-29	Yes	6/22/2012
		03.08.04-30	No	8/31/2012
		03.08.04-31	No	5/11/2012
		03.08.04-32	Yes	6/22/2012
UHS (Makeup TS, I&C, Seismic)	336	09.02.05-23	Yes	6/22/2012
		09.02.05-24	Yes	6/22/2012
		09.02.05-25	Yes	6/22/2012
		09.02.05-27	Yes	6/22/2012
Initial Plant Test Program - UHS Makeup	337	14.02-58	Yes	6/22/2012