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10 CFR 50.4  
10 CFR 52.79

August 16, 2012

UN#12-086

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016  
Supplemental Response to Request for Additional Information for the  
Calvert Cliffs Nuclear Power Plant, Unit 3,  
RAI 136, Aircraft Hazards, and  
RAI 198, Probabilistic Risk Assessment

- References:
- 1) John Rycyna (NRC) to Robert Poche (UniStar Nuclear Energy), "RAI No 136 RSAC 3368" email dated August 7, 2009
  - 2) Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI No. 198 SPLA 3946" email dated January 4, 2010
  - 3) UniStar Nuclear Energy Letter UN#09-374, from Greg Gibson to Document Control Desk, U.S. NRC, Response to RAI No. 136, Aircraft Hazards, dated September 8, 2009
  - 4) UniStar Nuclear Energy Letter UN#09-443, from Greg Gibson to Document Control Desk, U.S. NRC, Response to RAI No. 136, Aircraft Hazards, dated October 23, 2009
  - 5) UniStar Nuclear Energy Letter UN#10-230, from Greg Gibson to Document Control Desk, U.S. NRC, Response to RAI No. 198, Probabilistic Risk Assessment, dated August 24, 2010

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This supplemental response augments the original responses to RAI 136 (References 3 and 4) and RAI 198 (Reference 5).

It was identified that it was not clear to NRC staff members that the responses to RAI 136 (References 3 and 4) had been properly incorporated into Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 Combined License Application (COLA), Revision 8. The purpose of this letter is to clarify the result of responses to Requests for Additional Information (RAIs) 136 and 198 (References 1 and 2 respectively) regarding Section 19.1.5.4.4 of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the CCNPP COLA, Revision 8.

References 3 and 4 were submitted in response to RAI 136 (Reference 1). The resulting COLA markup changes in Reference 4 replaced a substantial portion of Section 19.1.5.4.4 of the FSAR. Reference 5 was later submitted in response to RAI 198 (Reference 2). The response to RAI 198 Question 19-21 in Reference 5 included the evaluation of an airplane crash event from the Probabilistic Risk Assessment (PRA) relative approach. This evaluation resulted in a further revision of the aircraft impact analysis discussion portion of Section 19.1.5.4.4, and the modification of the Conclusion for Detailed Airplane Crash Hazard Assessment. Thus, Reference 5 changed the wording of Section 19.1.5.4.4 that had been provided in Reference 4.

The COLA markup changes included in References 3, 4 and 5 were consolidated and incorporated in FSAR Section 19.1.5.4.4 of CCNPP Unit 3 COLA, Revision 8. UniStar Nuclear Energy considers the combined responses of RAI 136 and 198 to be accurate and responsive to both RAIs. The Enclosure to this letter provides a roadmap which describes how the response to RAI 198 superseded a portion of the RAI 136 response. Such roadmaps are now routinely included in RAI responses to clarify cases where COLA changes overlap in response to multiple RAIs.

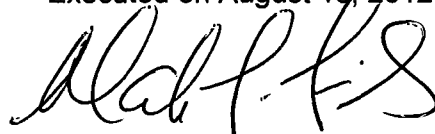
No COLA changes are included in this response.

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) 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 16, 2012

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

Mark T. Finley

Enclosure: Table of Changes to CCNPP Unit 3 COLA Associated with the Responses to RAIs No. 136 and No. 198, FSAR Section 19.1.5.4.4, 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)

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bcc: Gene Hughes, Probabilistic Risk Assessment  
Jon Kirkwood, Bell Bend Licensing  
Sébastien Thomas, NI Engineering Manager

**Enclosure**

**Table of Changes to CCNPP Unit 3 COLA Associated with Responses to  
RAIs No. 136 and No. 198,  
FSAR Section 19.1.5.4.4,  
Calvert Cliffs Nuclear Power Plant, Unit 3**

**Table of Changes to CCNPP Unit 3 COLA Associated with Responses to  
RAIs No. 136 and No. 198  
FSAR Section 19.1.5.4.4**

<b>Change ID #</b>	<b>Subsection</b>	<b>Type of Change</b>	<b>Description of Change</b>
<b>Part 2 – FSAR</b>			
CC3-09-0300	19.1.5.4.4	Incorporate COLA markups associated with the response to RAI 136.	The response to RAI 136 Question 03.05.01.06-2 included revising a substantial portion of FSAR Section 19.1.5.4.4, to address the Aircraft Crash Hazard Evaluation.
CC3-10-0054	19.1.5.4.4	Incorporate COLA markups associated with the response to RAI 198.	The response to RAI 198 Question 19-21 further revised a portion of FSAR Section 19.1.5.4.4, as submitted in response to RAI 136 Question 03.05.01.06-2. The subsequent RAI 198 revision to FSAR Section 19.1.5.4.4 addressed the Aircraft Crash Hazard Evaluation from a PRA perspective. UniStar Nuclear Energy considers the combined responses of RAI 136 and 198 to be accurate and responsive to both RAIs.