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10 CFR 50.4  
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October 26, 2012

UN#12-110

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 366, System Quality Group Classification

- References:
- 1) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "FINAL RAI 366 EMB 6579" email dated August 1, 2012
  - 2) UniStar Nuclear Energy Letter UN#12-085, from Mark T. Finley to Document Control Desk, U.S. NRC, Response to Request for Additional Information for the Calvert Cliffs Nuclear Power Plant, Unit 3, RAI 366, System Quality Group Classification, dated August 20, 2012

The purpose of this letter is to respond to the request for additional information (RAI) identified in the NRC e-mail correspondence to UniStar Nuclear Energy, dated August 1, 2012 (Reference 1). This RAI addresses System Quality Group Classification, as discussed in Section 3.2.2 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 2 indicated that a response to RAI 366 would be provided to the NRC by October 31, 2012.

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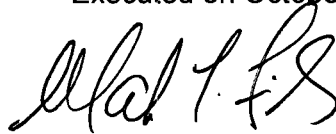
The enclosure provides our response to RAI No. 366, Question 03.02.02-7, and does not include revised COLA content.

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 October 26, 2012



Mark T. Finley

Enclosure: Response to NRC Request for Additional Information, RAI No. 366, Question 03.02.02-7, System Quality Group Classification, 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 enclosures)  
Patricia Holahan, Acting Deputy Regional Administrator, NRC Region II, (w/o enclosures)  
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2,  
David Lew, Deputy Regional Administrator, NRC Region I (w/o enclosures)

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**Enclosure**

**Response to NRC Request for Additional Information, RAI No. 366,  
Question 03.02.02-7, System Quality Group Classification,  
Calvert Cliffs Nuclear Power Plant Unit 3**

**RAI No. 366**

**Question 03.02.02-7**

The response to RAI 182 question 03.02.02-5 states that equipment lists, valve lists, and line lists containing quality group classification and other design information as well as Design Specifications and P&IDs associated with SSCs important to safety are currently scheduled to be available in the fourth quarter of 2012. In addition, in a related question, the response to RAI 124 Question 03.09.03-1, in addressing COL Information Item 3.9-2 provides dates for the expected availability of design specifications for audit and states that the design certification (DC) applicant will provide a sample of component design specifications to be audited.

Regarding this second question, staff determined that the COL applicant's response to RAI 124, Question 03.09.03-1 does not entirely resolve the staff's concern for auditable information and identifying which design documents are better addressed by the design certification applicant. In follow-up RAI 362, Question 3.9.3-2 the staff requested that the COLA address the issue of design specifications available for audit. If the design specifications available for audit are to be addressed by the DC applicant, the COL Information Item should either be revised or withdrawn. If this issue is not addressed by the DC applicant, the staff requested the COLA applicant to address the issue.

Accordingly, from the RAI responses for the questions described above, it is not clear which specific classification documents will be available to establish the basis (specific safety function) for equipment classifications and which SSCs will be included to support the COLA audit of design specifications. The COL applicant is requested to clarify which specific classification documents will be available to support the basis (specific safety function) for the classifications and clarify if the auditable documents for a COLA audit are limited to only site-specific equipment or if it is proposed to also include classification documents for the entire list of risk-significant SSCs in the design certification. Additionally, also provide a schedule for their availability because some of the dates previously provided in your previous response to RAI 124 have already lapsed.

## **Response**

Design Specifications for the following site-specific Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 Combined License Application (COLA), Revision 8, ASME Boiler and Pressure Vessel (BP&V) Section III Structures, Systems or Components (SSCs) will be available for audit by June 30, 2013:

1. UHS Makeup Water Piping to Cooling Tower Basin
2. UHS Makeup Water Gate, Globe and Check Valves
3. UHS Makeup Water Butterfly Valves
4. UHS Makeup Water Ball Valves
5. UHS Makeup Water Intake Structure Air Conditioning Unit (ACU) Finned Tube Heat Exchanger
6. UHS Makeup Water Intake Structure Air Cooled Condenser (ACC) Finned Tube Heat Exchanger
7. UHS Makeup Water vertical turbine pumps
8. UHS Makeup Water pump discharge strainer
9. UHS Makeup Water pump discharge vacuum breaker

## **COLA Impact**

The COLA FSAR will not be revised as a result of this response.