

Paul Infanger  
Manager, Regulatory Affairs & Engineering

750 East Pratt Street, Suite 1400  
Baltimore, Maryland 21202



10 CFR 50.4  
10 CFR 52.79

January 10, 2014

UN#14-001

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 406, Environmental Qualification of Mechanical and Electrical Equipment

Reference: Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "CCNPP3 Final  
RAI 406 MEB 7279," dated December 12, 2013

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 December 12, 2013 (Reference). This RAI addresses Environmental Qualification of Mechanical and Electrical Equipment, as discussed in Section 3.11 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 9.

Enclosure 1 provides our response to RAI 406, Question 03.11-11. Enclosure 2 provides a table of changes to the CCNPP Unit 3 COLA associated with RAI 406, Question 03.11-11.

Our response does not include any new regulatory commitments. This letter and its enclosures do not contain any sensitive or proprietary information.

DOAL  
NRD

If there are any questions regarding this transmittal, please contact me at (410) 369-1987 or Mr. Mark Finley at (410) 369-1907.

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

Executed on January 10, 2014



Paul Infanger

- Enclosures:
- 1) Response to NRC Request for Additional Information RAI 406, Question 03.11-11, Environmental Qualification of Mechanical and Electrical Equipment, Calvert Cliffs Nuclear Power Plant, Unit 3
  - 2) Table of Changes to CCNPP Unit 3 COLA Associated with the Response to RAI 406, Question 03.11-11, Calvert Cliffs Nuclear Power Plant, Unit 3

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch  
Tomeka Terry, NRC Environmental Project Manager, U.S. EPR COL Application  
Laura Quinn-Willingham, NRC Environmental Project Manager, U.S. EPR COL Application  
Amy Snyder, 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)

UN#14-001

**Enclosure 1**

**Response to NRC Request for Additional Information  
RAI 406, Question 03.11-11,  
Environmental Qualification of Mechanical and Electrical Equipment,  
Calvert Cliffs Nuclear Power Plant, Unit 3**

**RAI No. 406**

**Question 03.11-1**

This is a Supplement to RAI 80, Question 3.11-3.

U.S. EPR DCD Revision 5 deleted COL Item 3.11-1 from Tier 2, Section 3.11, "Environmental Qualification of Mechanical and Electrical Equipment," and Tier 2, Table 1.8-2, "U.S. EPR Combined License Information Items." Subsequently, Calvert Cliffs Unit 3 FSAR Revision 9 deleted COL Item 3.11- 1. The NRC staff considers it acceptable to delete COL Item 3.11-1; however, some of the information describing record retention per 10 CFR 50.49(j) was also deleted from the Calvert Cliffs FSAR as part of deleting COL Item 3.11-1. The applicant's response to RAI 80, Question 3.11-3, dated April 13, 2009, described how equipment test results and qualification records will be retained for Calvert Cliffs Unit 3, and this information has been deleted from the latest revision of the Calvert Cliffs FSAR as part of deleting COL Item 3.11-1. Therefore, the staff requests the COL applicant to revise FSAR Section 3.11 to describe how the environmental qualification records are maintained in an auditable form per 10 CFR 50.49(j) as stated in the response to RAI 80, Question 3.11-3, dated April 13, 2009. This information should be added as supplemental information in Section 3.11 of the Calvert Cliffs FSAR.

**Response:**

A review of Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 FSAR indicates that text addressing the requested subject matter already exists, and the deleted COL Item response text does not need to be re-inserted as requested. CCNPP Unit 3 FSAR Section 3.11.3 addresses the Equipment Qualification Master Equipment List (EQMEL) and the records retention requirements delineated in 10 CFR 50.49 and the CCNPP Unit 3 Quality Assurance Program Description (QAPD). Additionally, implementation of the EQ Program is addressed in FSAR Table 13.4-1, "Operational Programs Required by NRC Regulations and Program Implementation" Item 3 and is a License Condition addressed in COLA Part 10, Appendix A Item 3 "Operational Program Implementation."

**COLA Impact**

No changes to the CCNPP Unit 3 COLA are required as a result of this response.

UN#14-001

**Enclosure 2**

**Table of Changes to CCNPP Unit 3 COLA  
Associated with the Response to RAI 406, Question 03.11-11,  
Calvert Cliffs Nuclear Power Plant, Unit 3**

**Table of Changes to CCNPP Unit 3 COLA**  
**Associated with the Response to RAI No. 406**

<b>Change ID #</b>	<b>Subsection</b>	<b>Type of Change</b>	<b>Description of Change</b>
<b>Part 2 – FSAR</b>			
CC3-09-0115	3.11	Incorporate COLA markups associated with the response to RAI 80 Question 03.11-2 <sup>1</sup> .	Revised the response to COL Item 3.11-1.
CC3-12-0153	3.11	Incorporate COLA markups associated with DCD Revision 4 changes into revision 9 of the CCNPP Unit 3 COLA	Deleted COL Item 3.11-1 and response.
<b>Part 10 – ITAAC</b>			
CC3-09-0115	Appendix A	Incorporate COLA markups associated with the response to RAI 80 Question 03.11-2 <sup>1</sup> .	Revised the License Condition for COL Item 3.11-1.
CC3-12-0153	Appendix A	Incorporate COLA markups associated with DCD Revision 4 changes into revision 9 of the CCNPP Unit 3 COLA	Deleted License Condition for COL Item 3.11-1.

<sup>1</sup> Greg Gibson to U.S. NRC Document Control Desk, "Response to RAI No. 80, Environmental Qualification of Mechanical and Electrical Equipment" UN#09-176, dated April 13, 2009