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10 CFR 50.4
10 CFR 52.79

November 20, 2012

UN#12-127

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,
RAIs 284 and 322, Vibratory Ground Motion and
RAI 345, Vibratory Ground Motion, COLA Markups

- References:
- 1) Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI 284 RGS2 5295" email dated January 21, 2011
 - 2) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "FINAL RAI No. 322 RGS1 6031" email dated September 29, 2011
 - 3) Surinder Arora (NRC) to Paul Infanger (UniStar Nuclear Energy), "CCNPP3 - Final RAI 345 RGS1 6489," dated June 4, 2012
 - 4) UniStar Nuclear Energy Letter UN#12-093, from Mark Finley to Document Control Desk, U.S. NRC, Response to Request for Additional Information for the Calvert Cliffs Nuclear Power Plant, Unit 3, RAI 345, Vibratory Ground Motion, dated September 12, 2012
 - 5) UniStar Nuclear Energy Letter UN#12-102, from Mark Finley to Document Control Desk, U.S. NRC, Response to Request for Additional Information for the Calvert Cliffs Nuclear Power Plant, Unit 3, RAIs 284 and 322, Vibratory Ground Motion and RAI 345, Vibratory Ground Motion, COLA Markups, dated September 27, 2012

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MRO

The purpose of this letter is to provide a supplemental response to the requests for additional information (RAIs) identified in the NRC e-mail correspondence to UniStar Nuclear Energy (UNE), dated January 21, 2011 (Reference 1), September 29, 2011 (Reference 2), and June 4, 2012 (Reference 3). RAIs 284, 322, and 345 address Vibratory Ground Motion as discussed in Section 2.5.2 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 4 transmitted the UNE response to RAI 345, Vibratory Ground Motion with an indication that the COLA markups would be transmitted with the RAI 284 and 322 responses. Reference 5 transmitted the UNE response to RAIs 284 and 322 and provided the COLA markups associated with RAIs 284, 322, and the previously submitted RAI 345. Reference 5 provided the COLA markup changes in a red-line strikeout format. The Staff subsequently requested that UNE transmit a published version of FSAR Section 2.5 reflecting the COLA changes in a clean, revision incorporated, user friendly format.

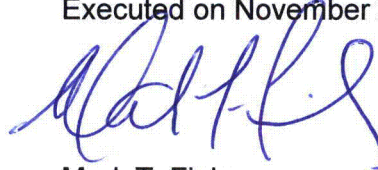
Enclosure 1 provides the published FSAR Section 2.5 reflecting the RAI 284, Question 02.05.02-22, RAI 322, Question 02.05.02-23, and the RAI 345, Question 02.05.02-24 response COLA changes in final, clean format. Enclosure 1 reflects editorial changes that have been made to the FSAR Section 2.5 that was provided in Reference 5. Enclosure 2 provides a COLA markup error identified in the earlier RAI Response letter UN#12-102 (Reference 5) and corrected herein.

This supplementary response does not include any new regulatory commitments. 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 November 20, 2012



Mark T. Finley

- Enclosures:
- 1) Final Published FSAR Section 2.5 Reflecting the COLA Changes Associated with the Response to RAI 284, Question 02.05.02-22, RAI 322, Question 02.05.02-23, and RAI 345, Question 02.05.02-24, Calvert Cliffs Nuclear Power Plant, Unit 3, (One Disk)
 - 2) COLA Markup Error Identified in RAI Response letter UN#12-102, dated September 27, 2012, 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, (w/o enclosures)
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, (w/o enclosures)
David Lew, Deputy Regional Administrator, NRC Region I (w/o enclosures)

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Enclosure 1

**Final Published FSAR Section 2.5 Reflecting the
COLA Changes Associated with the Response to RAI 284, Question 02.05.02-22,
RAI 322, Question 02.05.02-23, and RAI 345, Question 02.05.02-24,
Calvert Cliffs Nuclear Power Plant, Unit 3**

(One Disk)

UN#12-127

Enclosure 2

**COLA Markup Error Identified in RAI
Response letter UN#12-102, dated September 27, 2012
Calvert Cliffs Nuclear Power Plant, Unit 3**

Insert 1

**Conceptual
Approach**

**Source
Groups**

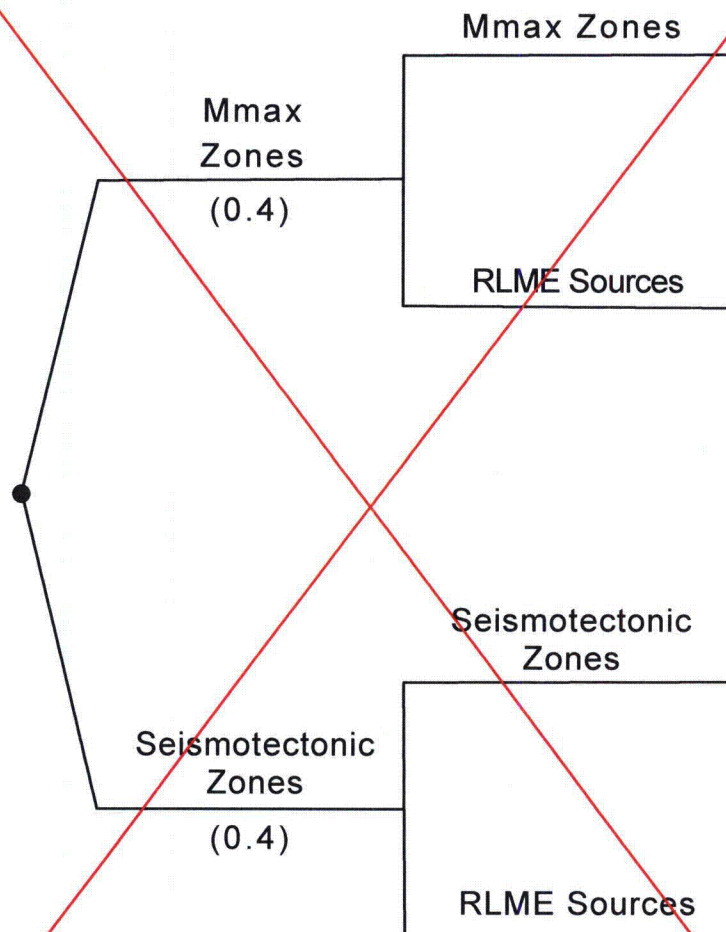


Figure 2.5-47 - {Master Logic Tree of the CEUS SSC Model}

Reference(s):
1. EPRI/DOE/NRC (2012)

09-4179-GIS-A022

INSERT 1

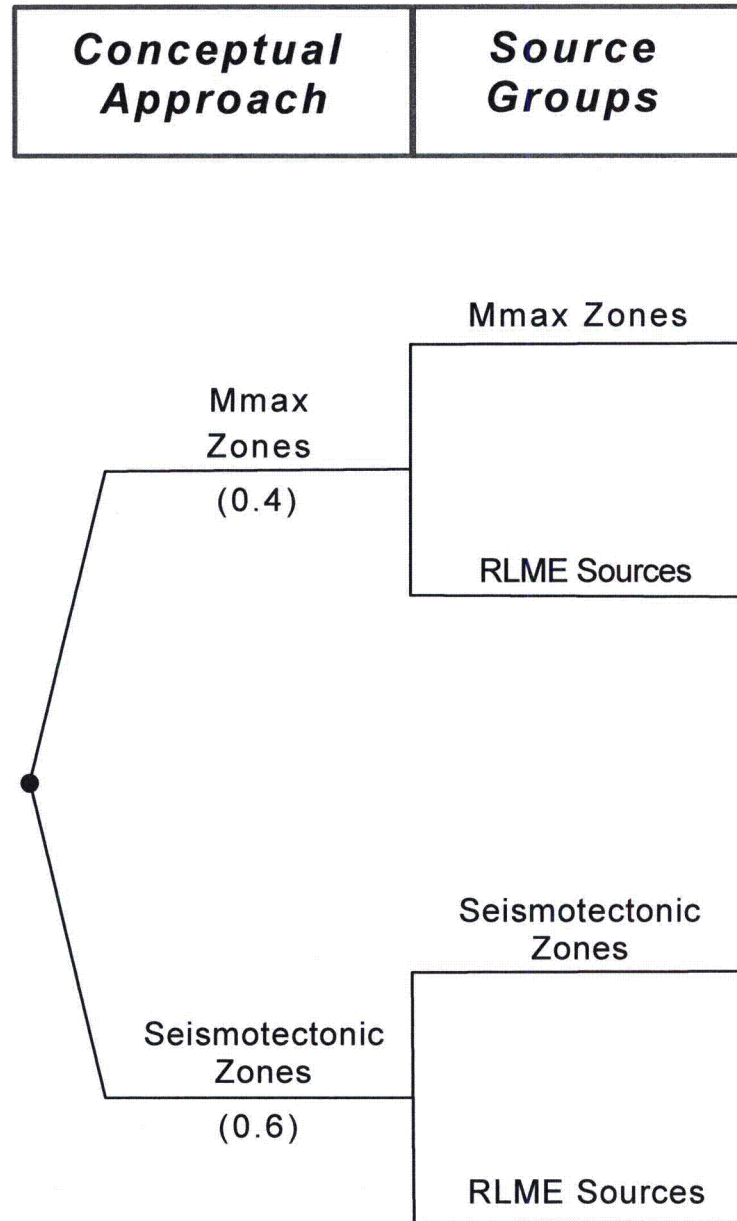


Figure 2.5-47 - {Master Logic Tree of the CEUS SSC Model}

Reference(s):
1. EPRI/DOE/NRC (2012)

09-4179-GIS-A022