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10 CFR 50.4
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September 21, 2010

UN#10-246

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 145, Foundations

Reference: 1) Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI No 145 SEB 2197" email dated August 27, 2009

2) UniStar Nuclear Energy Letter UN#10-193 from Greg Gibson to Document Control Desk, U.S. NRC, Response to Request for Additional Information for the Calvert Cliffs Nuclear Power Plant, Unit 3, RAI No. 144, Other Seismic Category I Structures, and RAI No. 145, Foundations, dated July 23, 2010.

3) UniStar Nuclear Energy Letter UN#10-226 from Greg Gibson to Document Control Desk, U.S. NRC, Impact of U.S. EPR FSAR RAI Responses on CCNPP Unit 3 FSAR Section 3.7, dated August 12, 2010

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 27, 2009 (Reference 1). This RAI addresses Foundations, as discussed in Section 3.8 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 6.

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Reference 2 stated that UniStar Nuclear Energy would provide responses to Question 03.08.05-02 and the Nuclear Island (NI) portions of Question 03.08.05-04 by September 21, 2010. This date was based on the expected schedule for seismic reconciliation of the CCNPP Unit 3 FSAR following completion of the NI finite element model (FEM) that is being prepared for the U.S. EPR FSAR.

In Reference 3, UniStar Nuclear Energy notified the NRC that, based on the revised schedule for submission of the U.S. EPR FSAR FEM by AREVA, the seismic reconciliation would not be complete until March 31, 2011.

It is UniStar Nuclear Energy's intent to complete the reconciliation based changes to FSAR Section 3.8 concurrent with the schedule for providing changes to FSAR Section 3.7. Therefore the response to RAI 145 questions 03.08.05-02 and 03.08.05-04, and a markup of FSAR Section 3.8 will be provided by March 31, 2011.

UniStar believes that the results of the seismic reconciliation are confirmatory in nature for the information pertaining to the NI, Emergency Service Water Buildings, and Emergency Power Generating Buildings currently described in the CCNPP Unit 3 FSAR. Accordingly, UniStar Nuclear Energy respectfully requests that preparation of the Chapter 3 draft Safety Evaluation Report continue with this item as an SER Open Item.

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) 470-4205, or Mr. Wayne A. Massie at (410) 470-5503.

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

Executed on September 21, 2010

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a horizontal line extending to the right.

Greg Gibson

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch
Laura Quinn, NRC Environmental Project Manager, U.S. EPR COL Application
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application
Loren Plisco, Deputy Regional Administrator, NRC Region II
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2
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