

Greg Gibson
Vice President, Regulatory Affairs

750 East Pratt Street, Suite 1600
Baltimore, Maryland 21202



10 CFR 50.4
10 CFR 52.79

July 30, 2009

UN#09-323

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 No. 109, Question 03.02.01-3, Seismic Classification

- References:
- 1) John Rycyna (NRC) to Robert Poche (UniStar Nuclear Energy), "RAI No 109 EMB2 2238.doc (PUBLIC)" email dated April 27, 2009
 - 2) UniStar Nuclear Energy Letter UN#09-263, from Greg Gibson to Document Control Desk, U.S. NRC, Submittal of Response to RAI No. 109, Seismic Classification, dated May 27, 2009

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 April 27, 2009 (Reference 1). This RAI addresses Seismic Classification, as discussed in Section 3.2 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 5.

Reference 2 provided an expected response date for Question 03.02.01-3 of July 31, 2009. The enclosure provides our response to RAI No. 109, Question 03.02.01-3, and includes revised COLA content.

DO96
LRO

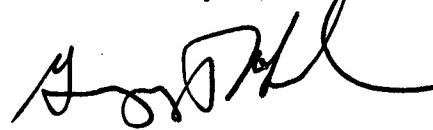
UN#09-323
July 30, 2009
Page 2

A Licensing Basis Document Change Request has been initiated to incorporate these changes into a future revision of the COLA. Our response to Question 03.02.01-3 does not include any new regulatory commitments.

If there are any questions regarding this transmittal, please contact me at (410) 470-4205, or Mr. Michael J. Yox at (410) 495-2436.

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

Executed on July 30, 2009,

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a stylized flourish at the end.

Greg Gibson

Enclosure: Response to NRC Request for Additional Information RAI No. 109, Question 03.02.01-3, Seismic Classification, Calvert Cliffs Nuclear Power Plant, Unit 3

cc: John Rycyna, NRC Project Manager, U.S. EPR COL Application
Laura Quinn, NRC Environmental Project Manager, U.S. EPR COL Application
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application (w/o enclosure)
Loren Plisco, Deputy Regional Administrator, NRC Region II (w/o enclosure)
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2
U.S. NRC Region I Office

GTG/RDS/kat

Enclosure

**Response to NRC Request for Additional Information
RAI No. 109, Question 03.02.01-3, Seismic Classification
Calvert Cliffs Nuclear Power Plant, Unit 3**

RAI No. 109

Question 03.02.01-3

The definitions for some acronyms (e.g., PE, PEB, etc.) in Table 3.2-1 cannot be located in the acronym list in the CCNPP Unit 3 FSAR or the U.S. EPR FSAR. Add the definitions to the list of acronyms in Table 1.1-1 or add notes in Table 3.2-1.

Additionally, the system title in Table 3.2-1 seems to be inconsistent with the component codes. As an example, there are no PE or PEB components listed under system heading "PE, PEB, PED UHS Makeup System". Also verify whether UPB needs to be added to the system title. Another example is the "PA, PAA, PAB, PAC, PAS Circulating Water System." There are no PA, PAA, PAB or PAC components listed under this system heading.

Response

U.S. EPR FSAR Table 3.2.2-1 is incorporated by reference into Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 COLA FSAR. PE is the generic system name for the Essential Service Water System contained in U.S. EPR FSAR Table 3.2.2-1. PEB and PED are sub-system names for essential service water piping system and essential service water recirculation cooling system, respectively. PEB components are part of the generic Essential Service Water System and are shown in U.S. EPR FSAR Table 3.2.2-1. PED is a sub-system name that includes the UHS Makeup Water System.

Similarly, PA is the generic system name for the Circulating Water System. PAA, PAB, and PAC are sub-system names for circulating water screening plant, circulating water piping system, circulating water pump system, respectively.

Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 COLA FSAR Table 3.2-1 will be updated to only include KKS system and component codes contained in FSAR Table 3.2-1 and provide a description of the KKS codes and other acronyms used.

Only individual components as identified are provided with equipment identification numbers corresponding to those used throughout the CCNPP 3 COLA FSAR. Generic components such as piping & valves are provided with component codes.

Building structures that are assigned with component codes are indicated in the table. The remaining equipment and building structures will have the component code defined during the detailed design phase. UPB is a building code and is not indicated in the system name field. The definition of UPB can be found in Note 3 of FSAR Table 3.2-1.

COLA Impact

FSAR Table 3.2-1 will be revised as follows in a future COLA revision: