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10 CFR 50.4
10 CFR 52.79

September 10, 2010

UN#10-239

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016
Follow-up to Response to Request for Additional Information for the
Calvert Cliffs Nuclear Power Plant, Unit 3,
RAI No. 101, Groundwater

- References:
- 1) John Rycyna (NRC) to Robert Poche (UniStar Nuclear Energy), "RAI No 101 RHEB 2092.doc (PUBLIC)" email dated April 20, 2009
 - 2) UniStar Nuclear Energy Letter UN#10-122, 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. 101, dated May 3, 2010

The purpose of this letter is to provide a follow-up to the response to the request for additional information (RAI) identified in the NRC e-mail correspondence to UniStar Nuclear Energy, dated April 20, 2009 (Reference 1). This RAI addresses Groundwater, as discussed in Section 2.4.12 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.

Reference 2 provided responses to RAI No. 101, Questions 02.04.12-9, 02.04.12-10 and 02.04.12-11, including updated pages for CCNPP Unit 3 COLA FSAR Section 2.4.12 and Environmental Report (ER) Section 2.3. Following the submittal of Reference 2, additional groundwater data was obtained, resulting in a revision of FSAR Section 2.4.12 and ER

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Section 2.3. Enclosures 1 and 2 provide updated markups of CCNPP Unit 3 COLA FSAR Section 2.4.12 and Environmental Report (ER) Section 2.3, respectively. These updated markups replace the FSAR Section 2.4.12 and ER Section 2.3 markups provided in Reference 2 in their entirety. A Licensing Basis Document Change Request has been initiated to incorporate these changes into a future revision of the COLA.

This letter does not contain any new regulatory commitments, nor does it contain any sensitive or proprietary 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 10, 2010



Greg Gibson

- Enclosures:
- 1) Updated Markups for Calvert Cliffs Nuclear Power Plant Unit 3 COLA FSAR Section 2.4.12
 - 2) Updated Markups for Calvert Cliffs Nuclear Power Plant Unit 3 COLA ER Section 2.3

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 (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