Greg Gibson Vice President, Regulatory Affairs 750 East Pratt Street, Suite 1600 Baltimore, Maryland 21202



10 CFR 50.4 10 CFR 52.79

October 27, 2009

UN#09-430

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. 164, AC Power Systems (Onsite)

Reference: Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI No. 164 EEB 3416" email dated September 29, 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 September 29, 2009 (Reference). This RAI addresses AC Power Systems (Onsite), as discussed in Section 8.3 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.

The enclosure provides our response to RAI No. 164, Question 08.03.01-12 and does not impact COLA content. Our response to RAI No. 164, Question 08.03.01-12 does not include any new regulatory commitments and does not contain any sensitive or proprietary information.

DD79 NRO UN#09-430 October 27, 2009 Page 2

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 October 27, 2009

Greg Gibson

- Enclosure: Response to NRC Request for Additional Information RAI No. 164, Question 08.03.01-12, AC Power Systems (Onsite), Calvert Cliffs Nuclear Power Plant, Unit 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

Enclosure

Response to NRC Request for Additional Information RAI No. 164, Question 08.03.01-12, AC Power Systems (Onsite), Calvert Cliffs Nuclear Power Plant, Unit 3

.

Enclosure UN#09-430 Page 2

RAI No. 164

Question 08.03.01-12

Cathodic Protection (CP) is not addressed for preventive measure of buried carbon steel piping from corrosion. Provide a description of cathodic protection design and method for site-specific buried piping, as applicable, identifying the industry standards which will be followed for design, installation and surveillance.

Response

Cathodic protection will be provided for buried carbon steel pipe. The cathodic protection system for buried pipes will be either impressed current or sacrificial galvanic anode, depending on soil conditions and pipe size. The design, installation and surveillance of the cathodic protection will be in accordance with industry standards; specifically NACE (National Association of Corrosion Engineers) Standard SP0169, Control of External Corrosion on Underground or Submerged Metallic Piping Systems, and associated NACE standards and publications.

COLA Impact

The COLA FSAR will not be revised as a result of this response.