Greg Gibson
Vice President, Regulatory Affairs

750 East Pratt Street, Suite 1600
Baltimore, Maryland 21202

UniStar
NUCLEAR ENERGY

10 CFR 50.4
10 CFR 52.79

November 5, 2009

UN#09-473

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. 188, Internally Generated Missiles (Inside Containment)

Reference: Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI No. 188 SBPB 3749" email dated October 16, 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 October 16, 2009 (Reference). This RAI addresses Internally Generated Missiles Inside Containment, as discussed in Section 3.5.1.2 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 6.

The enclosure provides our response to RAI No. 188, Question 03.05.01.02-1. Our response does not include any new regulatory commitments and does not impact COLA content. This letter does not contain any sensitive or proprietary information.

D096
NRO

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 November 5, 2009

Greg Gibson

Enclosure: Response to NRC Request for Additional Information RAI No. 188, Question 03.05.01.02-1, Internally Generated Missiles Inside Containment, 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

GTG/SFW/mdf

Enclosure

**Response to NRC Request for Additional Information RAI No. 188,
Question 03.05.01.02-1, Internally Generated Missiles Inside Containment,
Calvert Cliffs Nuclear Power Plant, Unit 3**

RAI No. 188

Question 03.05.01.02-1

In the response to COL Information Item 3.5-1, regarding when the applicant will establish plant procedural controls to ensure that unsecured maintenance equipment inside containment will be removed, the applicant proposed that:

- Calvert Cliff Nuclear Power Plant (CCNPP) shall establish plant procedural controls to ensure that unsecured maintenance equipment, including that required for maintenance and that are undergoing maintenance, will be removed from containment prior to operation, moved to a location where it is not a potential hazard to SSCs important to safety, or seismically restrained to prevent it from becoming a missile. This requirement shall be incorporated into a plant procedure that controls the conduct of maintenance prior to initial fuel load.

The NRC staff finds the above applicant's proposal to incorporate procedural controls to ensure that unsecured maintenance equipment will be removed from containment prior to initial fuel load into a plant procedure acceptable. However, Subsection 3.5.1.2.3 of the CCNPP FSAR, Revision 5, should be revised to reflect that unsecured maintenance equipment will be removed from containment prior to initial fuel load. Therefore, provide a mark-up or final version of the Subsection 3.5.1.2.3 in the CCNPP FSAR to reflect that unsecured maintenance equipment will be removed from containment prior to initial fuel load.

Response

FSAR Subsection 3.5.1.2.3 of the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 will not be revised to reflect that unsecured maintenance equipment will be removed from containment prior to initial fuel load (emphasis added). NUREG-0800 requires controls to ensure unsecured maintenance equipment, including that required for maintenance and that are undergoing maintenance, be removed from containment prior to operation (emphasis added).

Furthermore, NUREG-0800 allows for those controls to ensure unsecured maintenance equipment, including that required for maintenance and that are undergoing maintenance, is moved to a location where it is not a potential hazard to SSCs important to safety, or seismically restrained to prevent it from becoming a missile if it is not removed from containment prior to operation (emphasis added).

COL Item 3.5-1 is addressed in CCNPP Unit 3, Revision 6 and indicates that the plant shall establish these controls as part of procedures for the conduct of maintenance and these procedures shall be implemented prior to initial fuel load. The content of these procedures provides the detail for implementation of the controls as well as the timing for implementation of these controls.

COLA Impact

The CCNPP Unit 3 COLA will not be revised as result of this response.