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10 CFR 50.4  
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November 23, 2009

UN#09-489

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,  
Follow-up Response to RAI No. 188, Internally Generated Missiles (Inside  
Containment)

Reference: UniStar Letter UN#09-473, G. Gibson (UniStar Nuclear Energy) to Document  
Control Desk (NRC), "Response to RAI No. 188, Internally Generated Missiles  
(Inside Containment)," letter dated November 5, 2009

The purpose of this letter is to provide a follow-up response to the request for additional information (RAI) in the reference UniStar Nuclear Energy correspondence to NRC. The 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 follow-up response to RAI No. 188, Question 03.05.01.02-1, which includes revised COLA content, and replaces our previous response to this question in its 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 sensitive or proprietary information.

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NRW

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 23, 2009

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

Greg Gibson

Enclosure: Follow-up 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

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**Enclosure**

**Follow-up 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.

**Follow-up Response**

FSAR Section 3.5.1.2.3 of the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 COLA will be updated to specify that procedural controls will be established 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 restrained to prevent it from becoming a missile. FSAR Section 3.5.1.2.3 will be updated to state that these procedures will be approved and in effect prior to initial fuel load.

**COLA Impact**

FSAR Section 3.5.1.2.3 of the COLA will be supplemented as follows in future revision:

**3.5.1.2.3 Missile Prevention and Protection Inside Containment**

This COL Item is addressed as follows:

{Calvert Cliffs 3 Nuclear Project, LLC and UniStar Nuclear Operating Services, LLC} shall, prior to initial fuel load, 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 restrained to prevent it from becoming a missile.