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UniStar
NUCLEAR ENERGY

10 CFR 50.4
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May 28, 2010

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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 239,Turbine Area Ventilation System

Reference: Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "FINAL RAI 239 SPCV 4537" email dated May 5, 2010

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 May 5, 2010 (Reference). This RAI addresses the Turbine Area Ventilation System, as discussed in Section 9.4 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 239, Question 09.04.04-3, and includes revised COLA content. A Licensing Basis Document Change Request has been initiated to incorporate these changes into a future revision of the COLA.

Our response does not include any new regulatory commitments. This letter does not contain any sensitive or proprietary information.

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NRO

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 May 28, 2010

Greg Gibson

Enclosure: Response to NRC Request for Additional Information RAI 239, Question 09.04.04-3, Turbine Area Ventilation System, 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/RDS/mdf

Enclosure

Response to NRC Request for Additional Information
RAI 239, Question 09.04.04-3, Turbine Area Ventilation System
Calvert Cliffs Nuclear Power Plant, Unit 3

RAI 239

Question 09.04.04-3

In response to RAI 35, Question 09.04.04-1, the applicant stated that there 'are no safety-related SSCs in the turbine building that directly provide a reactor trip; therefore GDC 2 is not applicable.' The staff notes that the scope of GDC 2 extends beyond just safety-related SSCs 'that directly provide a reactor trip' and includes all items important to safety. As a result, the staff can not conclude the design meets the requirements of GDC 2. The staff requests the applicant provide enough information in the FSAR to conclude the system meets the requirements of GDC 2.

Response

The Turbine Building Ventilation System is not required to operate during or following a design basis accident. There are no safety-related SSCs in the Turbine Building. In addition, there are no important to safety SSCs in the Turbine Building. Therefore GDC 2 is not applicable to the Turbine Building Ventilation System.

COLA Impact

FSAR Section 9.4.4.3 is being updated as follows:

9.4.4.3 Safety Evaluation

The Turbine Building Ventilation System performs no safety-related functions; therefore a systems failure analysis is not required. The Turbine Building Ventilation System is not required to operate during or following a design basis accident.

There are no safety-related SSCs ~~in the Turbine Building that directly provide a reactor trip,~~ or important to safety SSCs in the Turbine Building; therefore GDC 2 is not applicable to the Turbine Building Ventilation System.

The non-safety Turbine Building Ventilation System shares no SSCs between units, therefore this does not adversely impair any safety-related system, as required by GDC 5.

The Turbine Building Ventilation System is not exposed to any radiological contamination; therefore the requirements of GDC 60 are not applicable.