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September 17, 2009

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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 No. 143, Ultimate Heat Sink

Reference: Surinder Arora (NRC) to Robert Poche (UniStar Nuclear Energy), "Draft RAI No 143 SBPA 2742.doc" email dated August 27, 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 August 27, 2009 (Reference). This RAI addresses Ultimate Heat Sink, as discussed in Section 2.4 of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) and ITAAC Closure, as submitted in Part 10 of the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 Combined License Application (COLA), Revision 5.

The enclosure provides our response to RAI No. 143, Question 09.02.05-1 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 to Question 09.02.05-1 does not include any new regulatory commitments.

DOG
NRD

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 September 17, 2009



Greg Gibson

Enclosure: Response to NRC Request for Additional Information RAI No. 143,
Question 09.02.05-1, Ultimate Heat Sink, 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
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Enclosure

**Response to NRC Request for Additional Information RAI No. 143,
Question 09.02.05-1, Ultimate Heat Sink,
Calvert Cliffs Nuclear Power Plant, Unit 3**

RAI No. 143

Question 09.02.05-1

In the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 COL application, Part 10, Table 2.4-25, "Raw Water Supply System Inspection, Tests, Analysis, and Acceptance Criteria," the commitment wording states that the Raw Water Supply System (RWSS) delivers makeup water to the Fire Water Distribution System's fire water storage tanks "in accordance with the requirement contained within NFPA code 804." The referenced NFPA code is incorrect. Provide the correct NFPA code reference (Regulatory Guide 1.189) in the commitment wording for Part 10, Table 2.4-25.

Response

Table 2.4-25 of the Calvert Cliffs Nuclear Power Plant (CCNP) Unit 3 COLA will be modified to update the requirement in the Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Table for the Raw Water Supply System.

COLA Impact

ITAAC Table 2.4-25 will be revised as follows in a future COLA revision:

Table 2.4-25—{Raw Water Supply System Inspections, Tests, Analyses, and Acceptance Criteria}

	Commitment Wording	Inspection, Test, or Analysis	Acceptance Criteria
1	The Raw Water Supply System delivers makeup water to the Fire Water Distribution System's fire water storage tanks in accordance with the requirement contained within NFPA code <u>22-804</u> (i.e., capable of delivering at least 300,000 gallons within an 8- hour period).	A test of the as-built system will be performed.	The as-built Raw Water Supply System delivers a total flow rate of ≥ 625 gallons per minute to the as-built fire water storage tanks.