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10 CFR 50.4
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November 4, 2009

UN#09-474

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016
Calvert Cliffs Nuclear Power Plant, Unit 3
Follow-up Response to Environmental Report
Request for Additional Information
RAI No. 37, Hydraulic Dredging

- References:
- 1) Thomas L. Fredrichs (NRC) to George Wrobel (UniStar Nuclear Energy), "RAIs for Calvert Cliffs Environmental Report," dated May 13, 2008.
 - 2) George Vanderheyden (UniStar Nuclear Energy) to NRC Document Control Desk, letter UN#08-018, "Submittal of Response to Requests for Additional Information for the Calvert Cliffs Nuclear Power Plant, Unit 3 and Request for Withholding of Documents," dated June 12, 2008.

The purpose of this letter is to provide a follow-up response to request for additional information (RAI) 37 identified in Reference 1. This follow-up response supplements a previous UniStar Nuclear Energy (UNE) response sent in Reference 2.

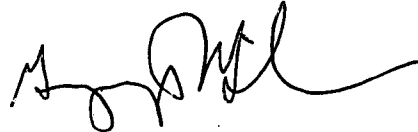
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The enclosure provides the UNE follow-up response to RAI No. 37 related to hydraulic dredging. The response to RAI No. 37 does not impact the Combined License Application (COLA) content. This response does not include any new regulatory commitments and does not contain any sensitive or proprietary information.

If there are any questions regarding this transmittal, please contact me at (410) 470-4205, or Mr. Dimitri Lutchenkov at (410) 470-5524.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on November 4, 2009



Greg Gibson

Enclosure: Follow-up Response to NRC Request for Additional Information, RAI No. 37, 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
Kathy Anderson, US Army Corps of Engineers (w/enclosure)

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Enclosure
Follow-up Response to NRC Request for Additional Information
RAI No. 37
Calvert Cliffs Nuclear Power Plant Unit 3

RAI No. 37

Provide a discussion of the impacts of deicing (Section 3.4.1.3.2), as there is a potential issue with icing in the past (page 3.4.-3). Fig. 3.4-(4-5) hard to read fine print, so please clarify. Dredging may be required to maintain the channel invert elevation for the intake, so provide a discussion associated with this potential impact.

Follow-up Response

The response to this RAI, involving the potential issue with icing, was originally provided to the NRC in UniStar Nuclear Energy (UNE) letter UN#08-018, dated June 12, 2008. The supplemental information provided below is in response to an October 15, 2009, teleconference, in which the NRC questioned the hydraulic and clamshell dredging techniques cited in the RAI responses transmitted by letter UN#08-018. Hydraulic dredging was mentioned as a proposed dredging technique to perform dredging of the intake channel. UNE responses to RAI 58, 60, and 63 mention the use of clamshell dredging in relation to barge slip and discharge pipe trench work. The response to RAI 61 discusses the use of clamshell dredging in relation to discharge pipe trench work.

UNE has investigated the reference to hydraulic dredging in the RAI 37 response. The investigation included contacting the constructor. The results of the investigation indicate that the mention of hydraulic dredging was an effort to preserve the option of hydraulic dredging as a dredging technique that could be utilized in future intake channel (i.e., existing Unit 1 and 2 channel) maintenance dredging. Hydraulic dredging was also mentioned in Joint Permit Application (JPA) work descriptions that UNE provided the U.S. Army Corps of Engineers in the August 2008 timeframe. This mention in the JPA work description was also done to preserve the option of hydraulic dredging.

UNE has confirmed with the constructor and internally within the UNE engineering organization that hydraulic dredging is not a likely choice, due to factors such as economics and the size of the project, and that we will be pursuing mechanical dredging. UNE does not foresee the need for hydraulic dredging for Calvert Cliffs Nuclear Power Plant Unit 3 (CCNPP Unit 3). If for some unforeseen reason UNE identifies the need for hydraulic dredging, UNE would first consult with the required federal and state regulatory agencies in order to proceed with the required approvals.

COLA Impact

The CCNPP Unit 3 COLA does not mention hydraulic dredging. The COLA will not be revised as a result of this response.