

December 27, 2006

Mr. James A. Spina, Vice President
Calvert Cliffs Nuclear Power Plant, Inc.
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 -
REQUEST FOR ADDITIONAL INFORMATION RE: RESPONSE TO GENERIC
LETTER 2003-01, "CONTROL ROOM HABITABILITY" (TAC NOS. MB9784
AND MB9785)

Dear Mr. Spina:

By letters dated December 5, 2003, and November 23, 2004 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML033440342 and ML043380215, respectively), Calvert Cliffs Nuclear Power Plant, Inc., responded to Nuclear Regulatory Commission (NRC) Generic Letter (GL) 2003-01, "Control Room Habitability," for Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 (Calvert Cliffs). In the GL, the NRC staff had requested that licensees confirm that their control rooms meet the design bases (e.g. General Design Criterion (GDC) 1, 3, 4, 5, and 19, draft GDC, or principal design criteria), with special attention to determining that: (1) the most limiting unfiltered and/or filtered inleakage into the control room and comparison to values used in your design bases for meeting control room operator dose limits from accidents (GL 2003-01, Item 1a); (2) the most limiting unfiltered inleakage is incorporated into your hazardous chemical assessments (GL 2003-01, Item 1b); and, (3) the reactor control capability is maintained in the control room or at the alternate shutdown location in the event of smoke (GL 2003-01, Item 1b). The NRC staff had further requested information on any compensatory measures in use to demonstrate control room habitability, and the plans to retire them (GL 2003-01, Item 2).

In GL 2003-01, the NRC staff further requested that licensees assess their Technical Specifications (TSs) to determine if the TSs verify the integrity of the control room envelope (CRE), including ongoing verification of the inleakage assumed in the design basis analysis for control room habitability, and in light of the demonstrated inadequacy of a delta pressure (ΔP) measurement to alone provide such verification (GL 2003-01, Item 1c).

In your December 5, 2003, response, you stated that you do not currently have a TS surveillance requirement for CRE integrity. You further stated that you have established a comprehensive administrative control program for CRE integrity based on Regulatory Guides and Nuclear Energy Institute documents. In your response, you did not mention any plans to adopt TS Task Force (TSTF) Change Traveler TSTF-448, "Control Room Habitability."

The NRC staff notes that changes to TSs as proposed in TSTF-448 will be an industry accepted standard to address the potential for excessive inleakage that can increase the radiation exposure to the operators. The staff believes that TSTF-448 will enhance regulatory stability and uniform enforcement. Therefore, the NRC staff requests that you describe your

J. Spina

- 2 -

plans to adopt TSTF-448 at Calvert Cliffs. In the event that you decide not to submit an LAR to adopt applicable sections of TSTF-448 into your TSs, the NRC staff requests that you provide an acceptable alternative that will ensure the Calvert Cliffs CRE will be in compliance with the regulations.

This request for additional information was discussed with your staff on December 19, 2006, and it was agreed that your response would be provided within 60 days from the date of this letter.

If you have any questions, please contact me at 301-415-1457.

Sincerely,

/RA/

Patrick Milano, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: See next page

J. Spina

- 2 -

plans to adopt TSTF-448 at Calvert Cliffs. In the event that you decide not to submit an LAR to adopt applicable sections of TSTF-448 into your TSs, the NRC staff requests that you provide an acceptable alternative that will ensure the Calvert Cliffs CRE will be in compliance with the regulations.

This request for additional information was discussed with your staff on December 19, 2006, and it was agreed that your response would be provided within 60 days from the date of this letter.

If you have any questions, please contact me at 301-415-1457.

Sincerely,

/RA/

Patrick Milano, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: See next page

DISTRIBUTION:

PUBLIC		P. Milano	RidsNrrPMPMilano
LPLI-1 Reading File		S. Little	RidsNrrLASLittle
R. Laufer	RidsNrrDorlLpII-1	H. Walker	
C. Jackson	RidsNrrDprPgcb	B. McDermott, R-I	RidsRgn1MailCenter
R. Dennig	RidsNrrDraAcvb	OGC	RidsOgcRp
J. Robinson		ACRS	RidsAcrsAcnwMailCenter

ACCESSION NUMBER: ML062610246

OFFICE	LPLI-1/PM	LPLI-1/LA	ACVB/BC	PGCB/BC	LPLI-1/BC
NAME	PMilano	SLittle	RDennig	CJackson	RLaufer
DATE	12/22/06	12/22/06	09/07/06	12/27/06	12/27/06

OFFICIAL RECORD COPY

Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2

cc:

President
Calvert County Board of
Commissioners
175 Main Street
Prince Frederick, MD 20678

Ms. Patricia T. Birnie, Esquire
Co-Director
Maryland Safe Energy Coalition
P.O. Box 33111
Baltimore, MD 21218

Mr. Carey Fleming, Esquire
Sr. Counsel - Nuclear Generation
Constellation Generation Group, LLC
750 East Pratt Street, 17th floor
Baltimore, MD 21202

Mr. Roy Hickok
NRC Technical Training Center
5700 Brainerd Road
Chattanooga, TN 37411-4017

Mr. Jay S. Gaines
Director, Licensing
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 287
St. Leonard, MD 20685

Mr. R. I. McLean, Manager
Nuclear Programs
Power Plant Research Program
Maryland Department of Natural Resources
580 Taylor Avenue (B wing, 3rd floor)
Tawes State Office Building
Annapolis, MD 21401

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Ms. Kristen A. Burger, Esquire
Maryland People's Counsel
6 St. Paul Centre
Suite 2102
Baltimore, MD 21202-1631