June 14, 2005

Mr. George Vanderheyden, 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 APPROVAL TO IMPLEMENT A PORTION OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS CODE FOR OPERATION AND MAINTENANCE OF NUCLEAR POWER PLANTS (ASME OM CODE),1995 EDITION, AND THE 1996 AND 1997 ADDENDA FOR CHECK VALVE INSERVICE TESTING (TAC NOS. MC6208 AND MC6209)

Dear Mr. Vanderheyden:

By letter dated January 27, 2005, as supplemented by letter dated May 13, 2005, Calvert Cliffs Nuclear Power Plant, Inc. (CCNPPI or the licensee) requested Nuclear Regulatory Commission (NRC) approval to use portions of a more recent edition and addenda of ASME OM Code for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, Renewed Facility Operating License Nos. DPR-53 and DPR-69, respectively, pursuant to 50.55a(f)(4)(iv) of Title 10 of the *Code of Federal Regulation*s (10 CFR). Specifically, CCNPPI requested approval to apply the requirements of the 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code Subsection ISTC, “Inservice Testing of Valves in Light-Water Reactor Nuclear Power Plants,” for all check valves subject to inservice testing (IST) requirements. Implementation of the 1998 Edition with 1999 and 2000 Addenda check valve requirements, and the required limitations and modifications will be phased in for all check valves at Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2. Full implementation will be completed by December 2007.

The current Code of Record for Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 is the 1989 Edition of the ASME Boiler and Pressure Vessel Code, Section XI, with no addenda. The regulations in 10 CFR 50.55a(f)(4)(iv) state that inservice tests of pumps and valves may meet the requirements set forth in subsequent editions and addenda that are incorporated by reference in 10 CFR 50.55a(b), subject to the limitations and modifications listed in 10 CFR 50.55a(b), and subject to NRC approval. Portions of editions or addenda may be used provided that all related requirements of the respective editions or addenda are met. The 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code was incorporated by reference into 10 CFR 50.55a(b) on September 26, 2002 (67 FR 60520), and became effective on October 28, 2002, subject to certain limitations and modifications.

10 CFR 50.55a(b)(3)(iv) limits and modifies the use of Subsection ISTC, by specifying that when applying Appendix II, “Check Valve Condition Monitoring Program,” (1) valve opening and closing functions must be demonstrated when flow testing or examination methods (non-intrusive, or disassembly and inspection) are used, (2) the initial interval for tests and associated examinations may not exceed two fuel cycles or 3 years, whichever is longer; any extension of this interval may not exceed one fuel cycle per extension with the maximum

interval not to exceed 10 years; trending and evaluation of existing data must be used to reduce or extend the time interval between tests, and (3) the provisions of ISTC-3510, ISTC-3520, and ISTC-3540 in addition to ISTC-5221 must be implemented if the Appendix II condition monitoring program is discontinued. Accordingly, CCNPPI requested approval to use the 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code, Subsection ISTC, for IST of check valves, subject to the limitations and modifications on the use of Appendix II stated in 10 CFR 50.55a(b)(3)(iv). Further, the NRC staff has identified no related requirements in the specified later ASME Code edition and addenda that would also need to be met to implement Subsection ISTC for all check valves subject to inservice testing requirements. Therefore, pursuant to 10 CFR 50.55a(f)(4)(iv), the use of Subsection ISTC of the 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code, as modified by 10 CFR 50.55a(b)(3)(iv), for IST of check valves is approved for the remainder of the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 third 10-year IST program interval.

If there are any questions regarding this matter, please contact the project manager, Rich Guzman, at (301) 415-1030.

Sincerely,

/RA/

Richard J. Laufer, Chief, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: See next page

interval not to exceed 10 years; trending and evaluation of existing data must be used to reduce or extend the time interval between tests, and (3) the provisions of ISTC-3510, ISTC-3520, and ISTC-3540 in addition to ISTC-5221 must be implemented if the Appendix II condition monitoring program is discontinued. Accordingly, CCNPPI requested approval to use the 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code, Subsection ISTC, for IST of check valves, subject to the limitations and modifications on the use of Appendix II stated in 10 CFR 50.55a(b)(3)(iv). Further, the NRC staff has identified no related requirements in the specified later ASME Code edition and addenda that would also need to be met to implement Subsection ISTC for all check valves subject to inservice testing requirements. Therefore, pursuant to 10 CFR 50.55a(f)(4)(iv), the use of Subsection ISTC of the 1998 Edition with the 1999 and 2000 Addenda of the ASME OM Code, as modified by 10 CFR 50.55a(b)(3)(iv), for IST of check valves is approved for the remainder of the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 third 10-year IST program interval.

If there are any questions regarding this matter, please contact the project manager, Rich Guzman, at (301) 415-1030.

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* Provided input by memo. No substantive changes made.
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