



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 17, 2010

Mr. George H. Gellrich, Vice President
Calvert Cliffs Nuclear Power Plant, LLC
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: ONE-TIME 5-YEAR
EXTENSION TO THE CONTAINMENT INTEGRATED LEAK RATE TEST -
CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2 (TAC NO. ME4804)

Dear Mr. Gellrich:

By letter dated October 4, 2010 (Agencywide Document Access and Management System Accession No. ML102800480), Calvert Cliffs Nuclear Power Plant, LLC requested a one-time 5-year extension to the 10-year frequency for the next containment integrated leak rate test for Calvert Cliffs Nuclear Power Plant, Unit No. 2.

Based upon the Nuclear Regulatory Commission (NRC) staff review, additional information will be necessary for the staff to complete its review. Enclosed is the NRC staff's request for additional information (RAI). Based on discussions with your staff, we understand that you plan to respond to the enclosed RAI no later than December 10, 2010.

Please contact me at 301-415-1364 if you have any questions.

Sincerely,

A handwritten signature in black ink, which appears to read "Douglas V. Pickett", is located below the "Sincerely," text.

Douglas V. Pickett, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-318

Enclosure:
As stated

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

CALVERT CLIFFS NUCLEAR POWER PLANT, LLC

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2

ONE-TIME 5-YEAR EXTENSION TO THE INTEGRATED LEAK RATE TEST INTERVAL

DOCKET NO. 50-318

- 1 Section 3.5, Table 3.5.1 of Attachment 1 to the license amendment request provides a summary trend of Type B and C Local Leak Rate Test (LLRT) Combined As-Found/As-Left leakages for four refueling outages between the years 2003 and 2009. Please provide details explaining why the as left (AL) leakages are higher than as found (AF) leakages in the year 2003.
- 2 In the same table referenced above, the AF maximum path leakage in the most recent test (2009) is significantly higher than in any previous tests. Please provide details as to where the higher leakage occurred and if the reasons for higher leakage were corrected.
- 3 Section 3.5, Table 3.5.2 of Attachment 1 to the LAR provides a summary of AF LLRTs exceeding administrative limits. The table shows an increasing trend in the number of LLRTs exceeding administrative limits. Please provide details where they occurred and what has been done to correct the locations where the leakages have exceeded the administrative limits. The NRC staff would like to be assured that all negative trends are being properly addressed.
- 4 Enclosure 1 to Attachment 1 of the license amendment request provides individual penetration AF/AL LLRT results between years 2001 and 2009. Please explain why Penetrations # 2b and #8 were not tested from the year 2003 onwards.
- 5 In Enclosure 1 referenced above, the leakage through Penetration # 48B (hydrogen purge supply) has significantly increased during the most recent tests conducted in 2007 and 2009. Please provide an explanation for this trend and the actions taken or being taken to correct this.

Enclosure

November 17, 2010

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/RA/

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ADAMS Accession No. ML103160150

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