

NRR-PMDAPEm Resource

From: Dietrich, Allison
Sent: Thursday, January 26, 2017 3:26 PM
To: hlkish@aep.com
Cc: 'dmburgoyne@aep.com'
Subject: D.C. COOK UNITS 1 AND 2 - RAI regarding LAR to revise TS 5.5.14 (MF8483 and MF8484)
Attachments: D.C. Cook Units 1 and 2 - leak rate RAI.pdf

By letter dated October 18, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16294A257), Indiana Michigan Power Company (I&M) submitted a license amendment request for the Donald C. Cook Nuclear Plant, Units 1 and 2. The proposed change would clarify the existing containment leak rate testing pressure criteria of Technical Specification 5.5.14b.

The U.S. Nuclear Regulatory Commission staff has reviewed your submittal. The staff has determined that additional information is needed in order to complete the review, as described in the attached request for additional information (RAI). The draft RAI was sent to I&M via electronic mail on January 13, 2017. A clarification telephone conference was held on January 26, 2017. Please provide your response by February 27, 2017.

Please let me know if you have any questions or concerns.

Sincerely,

Allison W. Dietrich, Project Manager
Plant Licensing Branch III
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation
301-415-2846

Hearing Identifier: NRR_PMDA
Email Number: 3293

Mail Envelope Properties (Allison.Dietrich@nrc.gov20170126152600)

Subject: D.C. COOK UNITS 1 AND 2 - RAI regarding LAR to revise TS 5.5.14 (MF8483 and MF8484)
Sent Date: 1/26/2017 3:26:28 PM
Received Date: 1/26/2017 3:26:00 PM
From: Dietrich, Allison

Created By: Allison.Dietrich@nrc.gov

Recipients:
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Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	1058	1/26/2017 3:26:00 PM
D.C. Cook Units 1 and 2 - leak rate RAI.pdf		548202

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

REQUEST FOR ADDITIONAL INFORMATION REGARDING

LICENSE AMENDMENT REQUEST TO REVISE

TS 5.5.14 CONTAINMENT LEAKAGE RATE TESTING PROGRAM

DONALD C. COOK NUCLEAR PLANT UNIT NOS. 1 AND 2

DOCKET NOS. 50-315 AND 50-316

CAC NOS. MF8483 AND MF8484

By application dated October 18, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16294A257), Indiana Michigan Power Company (I&M) requested changes to the Technical Specifications (TSs) for the Donald C. Cook Nuclear Plant Unit Nos. 1 and 2 (CNP). The proposed change would clarify the existing containment leak rate testing pressure criteria of TS 5.5.14b.

SBPB-RAI-1

ANSI 56.8-2002 establishes P_a as the calculated peak accident pressure, and limits the Containment Leakage Rate Testing Program pressure to less than or equal to $1.1 P_a$. As stated in the license amendment request (LAR), the calculated P_a for CNP is 10.37 pounds per square inch gauge (psig) for Unit 1, and 10.78 psig for Unit 2. I&M has requested to use 12 psig as P_a for the Containment Leakage Rate Testing Program, which is greater than 1.1 times the CNP calculated peak accident pressure for both units. The LAR states that this “will not result in a significantly larger differential pressure to seal components whose characteristics result in improved sealing based on increased pressure.” However, a test pressure greater than $1.1 P_a$ may affect test results in a non-conservative manner.

- Demonstrate how testing at a pressure of 12 psig, which is greater than $1.1 P_a$, is acceptable as an exception to the standard.