

NRR-PMDAPEm Resource

From: Chawla, Mahesh
Sent: Monday, August 04, 2014 5:45 PM
To: Chawla, Mahesh
Subject: FW: Request for Additional Information - D.C. Cook Unit 1 and 2 - LAR - Containment Divider Barrier Seal - MF3052/MF3053

From: Chawla, Mahesh [<mailto:Mahesh.Chawla@nrc.gov>]
Sent: Thursday, July 31, 2014 11:14 AM
To: Helen L Etheridge
Cc: Pelton, David; Shaikh, Samina; Dennig, Robert; John Ellegood; Thomas Taylor; Riemer, Kenneth; Michael K Scarpello
Subject: Request for Additional Information - D.C. Cook Unit 1 and 2 - LAR - Containment Divider Barrier Seal - MF3052/MF3053

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On November 6, 2013 (ML13312A006), Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 1 and Unit 2, submitted a License Amendment Request (LAR) to change Technical Specifications (TS) section 3.6.13, Divider Barrier Integrity, Surveillance Requirement (SR) 3.6.13.5 for the divider barrier seal inspection. On June 13, 2014 (ML14167A374), the licensee provided response to NRC staff's request for additional information (RAI). While reviewing D.C Cook's RAI response (SCVB RAI-3), NRC staff has additional questions regarding the underlined section below.

SCVB RAI-3

Please provide the NRC approved methodology used to determine that the acceptance criteria for the bypass area have been met.

Response to SCVB RAI-3

In case deficient connections are discovered, then the resulting divider barrier bypass would be determined, using an accepted standard, the American Institute of Steel Construction (AISC) Manual of Steel Construction, (tables for beam diagrams and formulas), as referenced in Updated Final Safety Analysis Report (UFSAR) Chapter 5, **or using a simplified method that is more conservative, to determine the deflections of the as found configurations** due to a postulated blowdown, and these deflections would be used to quantify the bypass area. The total bypass area for that unit is then compared against the Allowable Design Basis Bypass Area of seven square feet, per UFSAR 5.3.5.15.4. The assumed Analysis Value is 35 square feet, per UFSAR 14.3.4.1.3.1.1.e.

The NRC staff has the following questions regarding the above response provided by the licensee:

- a) What is the "simplified method" and what standard is this based on?
- b) How will it be determined that this simplified method is more conservative than the American Institute of Steel Construction (AISC) Manual of Steel Construction, as referenced in SCVB RAI-3 response?

The staff would like to have a quick turn around on this RAI. Therefore, please arrange a teleconference for this discussion. Thanks

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