

NRR-PMDAPEm Resource

From: Cunanan, Arthur
Sent: Friday, May 13, 2011 4:47 PM
To: john.hufnagel@exeloncorp.com
Cc: Pham, Bo; Brady, Bennett; Auluck, Rajender; Sheikh, Abdul
Subject: Hope Creek revised draft RAI
Attachments: Hope Creek draft RAI B 2 1 28-4-draft 05-13-2011.docx

John,

Attached is the revised Hope Creek Draft RAI on the air gap drains. Please review and let me know if you have any questions.

A response to this RAI and information given on the docket of the drywell air gap drain will be used for our conclusion related to the ASME IWE program and the reactor cavity leakage that is documented in the SER.

Sincerely,
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RAI B.2.1.28-4

Background:

In its response to RAI B.2.28-3 dated January 19, 2011, the applicant stated that, through boroscope inspection of each the four drywell air gap drains, it discovered that covers were in place in each drain line that “may limit or prevent proper drainage of the drywell air gap.” As a result of this finding, the applicant indicated that it planned to further investigate one of the drain lines to better understand the configuration in order to properly clear the four drain line openings. The applicant further indicated that this plan would allow it to “restore the functionality of the four air gap drains prior to flood-up of the reactor cavity during the next refueling outage in Spring 2012.”

Issue:

During a May 9, 2011, conference call, the applicant informed the staff that its further investigation of one of the drywell air gap drain lines indicated that the location of the blockage (where the cover was installed) did not coincide with drain line’s entrance into the air gap. Furthermore, it was unable to identify, through boroscope inspection from the air gap side, an opening that coincided with the drain line. Therefore, the applicant was not able to confirm the actual configuration from the drain line blockage to the air gap. Due to the level of exposure involved in performing such inspections, the applicant has not been able to perform the same investigation for the remaining three drain lines for the air gap.

Request:

The applicant is requested to provide the following information:

1. Describe the details of the field investigation, and any uncertainties, regarding the condition of the containment shell steel and drain line as-built configuration as determined from boroscope and visual examination.
2. Describe the impact of this new finding about the drain line blockage location on its plans to establish clearing the four drains lines by spring of 2012.
3. Provide the necessary amendments or modifications to existing enhancements Nos. 3, 4, 6, 8, 9 and 10 of the existing ASME Section XI, Subsection IWE aging management program (AMP) as described in LRA Section B2.1.28.
4. Provide revisions to the applicant’s commitment 28 to ensure that the provisions of the commitment are applicable for the current configuration of the drain lines so that the drywell can perform its intended design function and maintain its structural integrity through the period of extended operation.