

From: Ngoc Le
To: David Dellario
Date: 9/27/05 4:49PM
Subject: Draft RAIs for NMP Amended LRA - Batch 1 [9-27-2005]

David:

Attached is the first set of the staff RAIs for the NMP amended LRA review.

Please review and let me know when you would like to have a telecon to discuss the draft with the staff reviewer.

Then we will docket the RAIs. Normally you will have 30 days to respond; however, the sooner you provide the responses, the better for the staff.

tommy

CC: Hansraj Ashar; Peter.Mazzaferro@Constellation.com; Samson Lee

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Subject: Draft RAIs for NMP Amended LRA - Batch 1 [9-27-2005]
Creation Date: 9/27/05 4:49PM
From: Ngoc Le

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David.Dellario (David Dellario)		
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OWGWPO01.HQGWDO01	Delivered	09/27/05 4:49 PM
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Files	Size	Date & Time
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Options

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Priority:	Standard
Reply Requested:	No
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Subject: Draft RAIs for NMP Amended LRA - Batch 2 [9-29-2005]
Creation Date: 9/29/05 6:01PM
From: Ngoc Le

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Recipients	Action	Date & Time
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JKB CC (Joseph Burns)	Opened	10/03/05 7:14 AM
owf4_po.OWFN_DO	Delivered	09/29/05 6:01 PM
SSL1 CC (Samson Lee)	Opened	09/30/05 6:43 AM
Constellation.com	Transferred	09/29/05 6:02 PM
David.Dellario (David Dellario)		
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Post Office	Delivered	Route
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owf4_po.OWFN_DO	09/29/05 6:01 PM	
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REQUEST FOR ADDITIONAL INFORMATION
NINE MILE POINT NUCLEAR STATION, UNIT 1
AMENDED LICENSE RENEWAL APPLICATION
(Section 2.4 of LRA)

RAI 2.4.A-1 The amended LRA (ALRA) section 2.4.A.1 incorporates the thrust of this RAI, except that it is not clear if the refueling seal between the refueling cavity and the drywell is within the scope or not. RAI 2.4.A-2 describes the concern.

RAI 2.4.A-2 Leakage through the refueling seals located at the top of the drywell potentially exposes the carbon steel drywell shell inner and outer surfaces to loss of material due to corrosion. This is a particular concern for the embedded portion of the drywell shell. Corrosion detected on the outer shell surface in the sand pocket region in a number of Mark I steel containments has been attributed to leakage past the drywell-to-reactor building refueling seal, coupled with clogging of the sand pocket drains. Leakage into the drywell, past the reactor vessel-to-drywell refueling seal, creates the potential for corrosion of the inaccessible portion of the inner surface of the drywell shell, embedded in the concrete floor.

From the information contained in Table 2.4.A.1-1 of the amended LRA, it is not clear to the staff (1) whether the refueling seals have been included in the license renewal scope, and (2) if included, how aging management is being addressed. Therefore, the applicant is requested to provide the following information:

1. Verification that the refueling seals are included in the license renewal scope, or a detailed explanation for their exclusion.
2. A detailed description of the plant-specific operating experience for the refueling seals, including incidences of degradation, method of detection, root cause, corrective actions, and current inspection procedures.
3. A detailed description of the scoping, screening, and aging management review for the refueling seals.
4. The aging management program(s) credited to manage aging of the refueling seals.

RAI 2.4.C.1-1 In Table 2.4.C-1 of the ALRA, the applicant includes ASME Class 1, 2, 3 and MC hangers and supports. The staff assumes that the drywell and torus external supports are included within the Class MC supports. The applicant is requested to confirm the staff's assumption.

RAI 2.4.B -1 Section 2.4.B.1 of the ALRA incorporates the thrust of this RAI.

RAI 2.4.B -2 Section 2.4.B.1 of the ALRA incorporates the thrust of this RAI.

NINE MILE POINT UNITS 1 AND 2
AMENDED LICENSE RENEWAL APPLICATION
REQUEST FOR ADDITIONAL INFORMATION
TAC NUMBERS MC3272 AND MC3273 (SRXB)
Reference: SECTION 2.3 - NMP Amended LRA
Batch 2- 9/29/2005

- RAI 2.3-1. For Nine Mile Point Unit 1 (NMP1), please indicate whether the liquid poison pressure nozzle is considered a reactor pressure vessel penetration requiring an Aging Management Review (AMR). (ALRA section 2.3)
- RAI 2.3- 2. For Nine Mile Point Unit 2 (NMP2), please indicate whether temperature equalizing columns should be identified as reactor pressure vessel instrumentation system components requiring an AMR. (ALRA section 2.3)
- RAI 2.3-3. Not used
- RAI 2.3-4. For NMP1, the Liquid Poison System contains two elements that monitor the Liquid Poison Storage Tank temperature. One of these components is in-scope for License Renewal since it is a safety-related component. The other component is non-safety-related and has no License Renewal intended function. The in-scope temperature element itself is an active component and, therefore, not subject to AMR. However, the temperature sensor is housed in a thermowell that is subject to AMR. Please indicate which temperature element is the in scope element, is it TE 41-35 or TE 41-28? (ALRA section 2.3)
- RAI 2.3-5. For NMP2, please indicate whether the diffuser seal ring and shroud support plate should be identified as a reactor pressure vessel internal component requiring an AMR. (ALRA section 2.3)

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