

PMNorthAnna3COLPEmails Resource

From: Patel, Chandu
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To: 'na3raidommailbox@dom.com'
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Subject: Draft RAI 5793 and RAI 5794 for Section 17.4, North Anna 3 COLA
Attachments: Draft RAI 5793.doc; Draft RAI 5794.doc

Please see attached Draft RAIs 5793 and 5794 for Section 17.4 of North Anna 3 COLA. Please let me know if you need any clarification by COB July 6, 2011. Otherwise, it will be issued as final after July 6, 2011.

Sincerely,
Chandu Patel
Lead Project Manager for North Anna 3 COLA
DNRL, NRO

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Request for Additional Information No. 5793 (Draft)

North Anna, Unit 3

Dominion

Docket No. 52-017

SRP Section: 17.04 - Reliability Assurance Program (RAP)

Application Section: 17.4.7.4

QUESTIONS for PRA and Severe Accidents Branch (SPRA)

17.04-***

Based on COL Information Item 17.4(1) in Section 17.4.9 ("Combined License Information") of the US-APWR DCD Tier 2, Revision 2, the SSCs in Phase II of the D-RAP should include the combination of site-specific risk-significant SSCs and risk-significant SSCs identified in the US-APWR DCD Tier 2 to form a complete list for the specific plant. This complete list of SSCs would be subjected to the D-RAP process in Phase III. However, Section 17.4.7.4 of the North Anna, Unit 3 FSAR, Revision 3, states: "The site-specific SSCs included in Phase II are listed in Table 17.4-201." Also, Section 17.4.8 ("ITAAC for the D-RAP") of the FSAR, Revision 3, stated: "A list of the risk-significant SSCs for the Phase II D-RAP is provided in Table 17.4-201." But, Table 17.4-201 only listed the site-specific RAP SSCs (i.e., cooling tower fan[s]) and is not a complete list of RAP SSCs.

The staff requests that the applicant clarify in Sections 17.4.7.4 and 17.4.8 of the North Anna, Unit 3 FSAR that the SSCs included in Phase II of the D-RAP include the combination of site-specific RAP SSCs (i.e., SSCs listed in Table 17.4-201) and risk-significant SSCs identified in the US-APWR DCD Tier 2 (and modified for any departures) to form a complete list for the specific plant.

Request for Additional Information No. 5794 (Draft)

North Anna, Unit 3

Dominion

Docket No. 52-017

SRP Section: 17.04 - Reliability Assurance Program (RAP)

Application Section: 17.4.5

QUESTIONS for PRA and Severe Accidents Branch (SPRA)

17.04-***

Section 17.4.5 of the North Anna Unit 3 FSAR states "Reliability assurance activities during the operations phase are integrated into the Maintenance Rule Program (Section 17.6), and other operational programs as listed below." The staff found that the applicant did not include the use of the maintenance program and Technical Specifications surveillance test program. These programs are necessary to detect and mitigate degradation of a functioning SSC or to restore to an acceptable level of performance the design functions of a failed SSC. Including these programs would be consistent with FSAR Section 17.6, which incorporates by reference NEI 07-02A ("Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52"). Specifically, Section 17.X.3 of NEI 07-02A states: "Reliability during the operations phase is assured through the implementation of operational programs, i.e., the MR [maintenance rule] program, the Quality Assurance Program, inservice inspection and testing programs, the Technical Specifications surveillance test program, and maintenance programs."

The NRC staff requests that the applicant also include under "other" operational programs in Section 17.4.5 of the FSAR the maintenance program and Technical Specifications surveillance test program, and provide, if applicable, cross-references to the specific sections of chapters of the application where these programs are described.