

NorthAnnaRAIsPEm Resource

From: Patel, Chandu
Sent: Wednesday, May 18, 2011 4:38 PM
To: 'na3raidommailbox@dom.com'
Cc: Weisman, Robert; NorthAnnaRAIsPEm Resource; Quinlan, Kevin; Roy, Tarun
Subject: RAI Letter No. 71, RAI 5732, Section 2.3.1, North Anna 3 COLA
Attachments: RAI Letter 71 RAI 5732.doc

By letter dated November 26, 2007, Dominion Virginia Power (Dominion) submitted a Combined License Application for North Anna, Unit 3, pursuant to Title 10 of the *Code of Regulations*, Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this COLA.

The NRC staff has identified that additional information is needed to continue portions of the review and a Request for Additional Information (RAI), is enclosed. To support the review schedule, Dominion is requested to respond within 30 days of the date of this request. If the RAI response involves changes to the application documentation, Dominion is requested to include the associated revised documentation with the response.

Sincerely,
Chandu Patel
Lead Project Manager for NA3 COLA

Hearing Identifier: NorthAnna3_eRAI
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Subject: RAI Letter No. 71, RAI 5732, Section 2.3.1, North Anna 3 COLA
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From: Patel, Chandu

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Letter No. 71
5/18/2011
North Anna, Unit 3
Dominion
Docket No. 52-017
SRP Section: 02.03.01 - Regional Climatology
Application Section: Regional Climatology

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

Request for Additional Information No. 5732

02.03.01-6

FSAR Table 2.0-201 includes 100-year return period values for maximum dry bulb with coincident wet-bulb, and the maximum non-coincident wet-bulb temperature. However, the FSAR does not include a 100-year return period minimum dry bulb temperature for comparison against the US-APWR DCD 0% annual exceedance minimum dry bulb temperature.

Please update FSAR Table 2.0-201 to include a 100-year return period minimum dry bulb temperature or provide an explanation in FSAR Section 2.3.1 as to why this is not necessary.

10 CFR 52.79(a)(1)(iii) states the COL FSAR shall include “the seismic, meteorological, hydrologic, and geologic characteristics of the proposed site with appropriate consideration of the most severe of the natural phenomena that have been historically reported for the site and surrounding area and with sufficient margin for the limited accuracy, quantity, and time in which the historical data have been accumulated.” The staff considers temperatures based on a 100-year return period to provide sufficient margin for the limited accuracy, quantity, and period of time in which the historical data have been accumulated as required by the regulation.