

NorthAnnaRAIsPEm Resource

From: Buckberg, Perry
Sent: Tuesday, December 09, 2014 11:20 AM
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Chien, Nan; Harvey, Brad; Quinlan, Kevin
Subject: North Anna 3 COLA RAI 150-7745 (6.04 - Control Room Habitability System)
Attachments: NA3 COLA RAI 150 SCVB 7745.pdf

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.

Thanks,

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U.S. Nuclear Regulatory Commission

Office of New Reactors

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Application Title: North Anna, Unit 3 - Docket Number 52-017

Operating Company: Dominion

Docket No. 52-017

Review Section: 06.04 - Control Room Habitability System

Application Section: 6.4

QUESTION 6.04-8:

According to the applicant's chemical hazards analyses, when meteorological stability class F was selected, only a night time temperature of 71.5 F was used. During a public meeting held on October 30, 2014, the applicant explained that a temperature of 91.5 F, was not realistic to coexist with meteorological stability class F.

RG 1.78, Section C, 3.3, states, "Irrespective of the dispersion model or the analysis tool used, the value of the atmospheric dilution factor between the release point and the control room that is used in the analysis should be that value that is exceeded only 5% of the time."

Staff requests a clarification on whether the analysis relied upon by the applicant (as discussed in the first paragraph of this RAI) employs the RG 1.78, Section C, 3.3 provisions (quoted in the second paragraph of this RAI). Please provide technical basis and justification to support the explanation.