

July 9, 2004

Mr. David A. Christian
Senior Vice President and Chief Nuclear Officer
Dominion Resources Services, Inc.
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: ADDITIONAL INFORMATION NEEDED WITH REGARD TO REQUEST FOR
ADDITIONAL INFORMATION LETTER NO. 2 - DOMINION NUCLEAR
NORTH ANNA, LLC EARLY SITE PERMIT APPLICATION FOR THE
NORTH ANNA ESP SITE (TAC NO. MC1127)

Dear Mr. Christian:

By letter dated March 25, 2004, the U.S. Nuclear Regulatory Commission (NRC) staff provided you a list of requests for additional information (RAIs) regarding the application submitted by Dominion Nuclear North Anna, LLC (Dominion) for an early site permit (ESP) for the North Anna ESP site. By letter dated June 11, 2004, Dominion submitted responses to the RAIs in the NRC's March 25 letter. After evaluating Dominion's responses, the NRC staff has concluded that additional information is required regarding RAI 2.5.2-1. The staff discussed these information needs with your staff via a telephone conference on June 23, 2004, and requests that Dominion address the following points:

1. How Dominion's approach to determining the Safe Shutdown Earthquake (SSE) for the site addresses 10 CFR 100.23(c), given that Dominion's approach uses generic design characteristics not addressed in the regulation.
2. How Dominion's approach addresses 10 CFR 100.23(d)(1), given that the scale factor used in Dominion's approach results in an SSE that is not characterized by a free-field ground motion response spectrum.
3. How Dominion's approach incorporates unique local site conditions into the uniform hazard spectrum (UHS), or how site-specific geology is otherwise factored into determination of the SSE.
4. How Dominion's use of a higher reference probability than that specified in Regulatory Guide 1.165 would be justified, based on current seismic hazard analyses.

In summary, Dominion should demonstrate that its SSE for the ESP site is characterized by a free-field ground motion response spectrum at the free ground surface, for which certain structures, systems, and components must be designed to remain functional.

Receipt of requested information within 30 days of the date of this letter will support the NRC's efficient and timely review of Dominion's ESP application. Please note that failure to provide a

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response in a timely fashion may result in a delay of completion of the staff's safety evaluation report.

If you have any questions or comments concerning this matter, you may contact me at (301) 415-1421 or mls3@nrc.gov.

Sincerely,

/RA/

Michael L. Scott, Dominion ESP Project Manager
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No. 52-008

Enclosure: As stated

cc: See next page

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Sincerely,

/RA/

Michael L. Scott, Dominion ESP Project Manager
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No. 52-008

Enclosure: As stated

cc: See next page

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML041770093.wpd

ACCESSION NO. ML041770093

* See previous concurrence

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DATE	7/8/04	6/28/04	7/7/04	7/8/04

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NORTH ANNA EARLY SITE PERMIT
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