

August 15, 2006

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

SUBJECT: SUPPLEMENT 1 TO FINAL SAFETY EVALUATION REPORT FOR THE
NORTH ANNA EARLY SITE PERMIT APPLICATION

Dear Mr. Christian:

By letter dated September 25, 2003, Dominion Nuclear North Anna LLC (Dominion) tendered its application for an early site permit (ESP) in accordance with Subpart A of Part 52 of Title 10 of the *Code of Federal Regulations* (10 CFR Part 52). The staff reviewed the ESP application and issued NUREG-1835 in September 2005. Subsequently, Dominion decided to revise its ESP application and by letter dated April 13, 2006, submitted Revision 6 to its ESP application, which included a revised safety site analysis report (SSAR) and an environmental report. Dominion revised and supplemented its application on June 21 and July 31, 2006. In the revised application, Dominion proposed (1) changing its cooling design for proposed Unit 3 and (2) increasing the requested power levels for proposed Units 3 and 4. For Unit 3, Dominion changed the once-through cooling system, as described in the previous versions of the SSAR, to a closed-cycle system (Unit 4 will use the dry cooling system as originally proposed). For Units 3 and 4, Dominion increased the power levels to match the designed maximum power (4500 MWt) of a General Electric Economic and Simple Boiling-Water Reactor, one of the reactor designs included in the plant parameter envelope.

The U.S. Nuclear Regulatory Commission (NRC) decided to prepare Supplement 1 to the final safety evaluation report to evaluate the impact of the above changes. The staff is issuing this supplement in accordance with the review schedule identified in its letter to Dominion dated May 4, 2006, which provides information to stakeholders regarding the state of completion of the staff's review of safety aspects of Dominion's revised ESP application.

Issuance of this supplement is an important milestone in the staff's rigorous review to determine whether Dominion's application meets the Commission's regulations. You have requested that portions of the information submitted to support your application for an ESP be exempt from mandatory public disclosure in accordance with the requirements of 10 CFR 2.390. The staff concludes that the enclosed supplement does not contain any information for which exemption has been sought or approved. However, NRC will withhold the enclosed supplement from public disclosure for 14 calendar days from the date of this letter to allow Dominion the opportunity to verify the staff's conclusions. If, after that time, you do not request that all or portions of the supplement be withheld from public disclosure in accordance with 10 CFR 2.390, NRC will make the enclosure available for public inspection through the NRC's Public Document Room and the Publicly Available Records component of the NRC's

D. Christian

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document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Nitin Patel, the NRC's project manager at (301) 415-3201 (or nxp1@nrc.gov) if you have any questions or comments concerning this matter.

Sincerely,

/RA/

David B. Matthews, Director
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-008

Enclosure: As stated

cc w/o encls: See next page

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*See previous concurrence

ADAMS ACCESSION NUMBER: ML062210383-Package

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Letter to David A. Christian from David B. Matthews dated August 15, 2006

SUBJECT: SUPPLEMENT 1 TO FINAL SAFETY EVALUATION REPORT FOR THE
NORTH ANNA EARLY SITE PERMIT APPLICATION

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