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**To:** <jxc9@nrc.gov>  
**Date:** 11/22/05 3:06PM  
**Subject:** 05-776 North Anna Early Site Permit Application Submittal Schedule for ESP Application Supplement

(See attached file: 05-776\_LtrOnly.pdf)

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**Subject:** 05-776 North Anna Early Site Permit Application Submittal Schedule  
for ESP Application Supplement

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**From:** <Margaret\_Bennett@dom.com>

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Dominion Nuclear North Anna, LLC  
5000 Dominion Boulevard, Glen Allen, VA 23060



November 22, 2005

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Serial No. 05-776  
ESP/LTB  
Docket No. 52-008

**DOMINION NUCLEAR NORTH ANNA, LLC**  
**NORTH ANNA EARLY SITE PERMIT APPLICATION**  
**SUBMITTAL SCHEDULE FOR ESP APPLICATION SUPPLEMENT**

On October 24, 2005, Dominion Nuclear North Anna, LLC (Dominion) notified the NRC that it has revised the cooling water approach for a potential third unit at the North Anna ESP site. Your November 2, 2005 letter acknowledged the change and requested that we provide a schedule for revising the North Anna ESP application so that you could assess the resource and schedule impacts on your review effort. This letter provides that information.

As agreed to during a November 7, 2005 telephone call, Dominion will submit a supplement to the ESP application. This supplement will be a stand-alone document that addresses the changes to the application, both safety and environmental. The supplement will use the same section/subsection numbering as the application. An evaluation of each change will be provided as well as how the corresponding application section would be revised. The North Anna ESP application supplement will be submitted no later than January 13, 2006.

Dominion has selected GE's ESBWR design for the preparation of a combined license application. Since the revised cooling approach will allow operation of an ESBWR at its full proposed design power level of 4500 MWt without thermal impact on the lake, the supplement will also fully address changes to the North Anna ESP application based on ESBWR design information provided in GE's design certification application, submitted to NRC on August 24, 2005.

Concurrent with Dominion's decision-making for the revised cooling approach, we have met with the Commonwealth of Virginia's Departments of Environmental Quality and Game & Inland Fisheries to discuss improvements in environmental impacts from the revised approach. While the supplement is being prepared, Dominion is continuing to work with appropriate state agencies so that the supplement will include the information and analyses needed to obtain these agencies' concurrence.

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Dominion recognizes that the revised cooling system approach has affected the NRC Staff's schedule for completion of its review of our application. However, the ESP process has provided an opportunity to resolve important issues at an early stage. The ESP process is intended to allow resolution of siting issues before major resources are committed to plant design and construction, and before the COL stage. By addressing cooling system issues at the ESP stage, the additional work that is now being performed will establish a foundation for success and reduce the potential for delays in a subsequent COL proceeding.

If you have any questions or require additional information, please contact Joseph D. Hegner at 804-273-2770.

Very truly yours,



Eugene S. Grecheck  
Vice President-Nuclear Support Services

Enclosures: None

Commitment made in this letter: Submit North Anna ESP application supplement by  
January 13, 2006

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cc: U. S. Nuclear Regulatory Commission, Region II  
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COMMONWEALTH OF VIRGINIA

COUNTY OF HENRICO

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Eugene S. Grecheck, who is Vice President, Nuclear Support Services, of Dominion Nuclear North Anna, LLC. He has affirmed before me that he is duly authorized to execute and file the foregoing document on behalf of Dominion Nuclear North Anna, LLC, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 22<sup>ND</sup> day of November, 2005.

My Commission expires: August 31, 2008

Margaret B. Bennett  
Notary Public

(SEAL)