

March 2, 2011

Mr. Eugene S. Grecheck  
Vice President - Nuclear Development  
Dominion Virginia Power  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: NORTH ANNA POWER STATION, UNIT 3, COMBINED LICENSE  
APPLICATION - REVISED REVIEW SCHEDULE

Dear Mr. Grecheck:

By letter dated November 26, 2007, as documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML073320913, Dominion Virginia Power (Dominion) submitted its application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) to construct and operate an Economic Simplified Boiling Water Reactor at North Anna Power Station (North Anna), Unit 3, site pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants." The North Anna, Unit 3, COL application (COLA) review schedule has been previously communicated to you in letters dated February 27, 2008, and February 25, 2009. Subsequently, by letter dated June 28, 2010, Dominion revised its application to incorporate by reference, Mitsubishi Heavy Industries, Ltd. (MHI) United States - Advanced Pressurized Water Reactor (US-APWR) technology for the North Anna, Unit 3 site.

The NRC staff has updated the review schedule for North Anna, Unit 3, COLA. This schedule supersedes the review schedule provided to you by letter dated February 25, 2009. It also reflects the recent changes to the review schedules for the US-APWR design certification (DC) and Comanche Peak Nuclear Power Plant (CPNPP), Units 3 and 4 COLA.

The North Anna, Unit 3, COLA incorporates by reference, the US-APWR design, Revision 2, and the CPNPP, Units 3 and 4, COLA, Revision 1. Therefore, North Anna, Unit 3, COLA review schedule is dependent on the review schedules for these two applications. The recent changes to the review schedules for the US-APWR DC and CPNPP, Units 3 and 4 COLA are documented in letters dated February 24, 2011, under accession number ML110240150 and March 2, 2011, under accession number ML110310442 respectively. The North Anna, Unit 3, safety review schedule accounts for the revised schedules provided in the above letters. The revised North Anna, Unit 3, review schedule is provided in the Enclosure entitled "North Anna Combined License Application Review Milestones."

The North Anna COLA review schedule encompasses the milestones for both the safety and environmental reviews. The safety schedule supports issuance of a Final Safety Evaluation Report in July 2013. The environmental schedule supports issuance of a draft Supplemental Environmental Impact Statement by March 2012 and a final Supplemental Environmental Impact Statement by October 2012. In addition, the schedule includes a milestone for the COL Mandatory Hearing Process that is consistent with the existing NRC staff guidance.

It should be noted that MHI made structural changes to its design, which required performing a new seismic analysis. MHI has submitted the new seismic re-analysis technical reports, which are currently under NRC staff review. Dominion has adopted the revised methodology used by MHI in its site specific analysis. The NRC staff was also informed that Dominion is planning to revise its seismic analysis, which will require changes in the final safety analysis report (FSAR). The North Anna, Unit 3, COLA safety review schedule may be impacted depending on the timing and scope of the revised analysis and the FSAR update.

As you know, by letter dated February 18, 2011, MHI proposed a number of new strategies for expediting the resolution of the remaining technical issues associated with the review of the DC application. MHI also proposed a number of schedule improvements based on the implementation of the new strategies. The NRC staff believes that it would be premature at this time to make any schedule improvements until the proposed strategies are implemented and proven to be effective. However, the NRC staff will monitor the progress of the DC application review using these proposed strategies and will reassess whether the current schedule could be improved in the future. Any future changes to the US-APWR DC and CPNPP, Units 3 and 4 COLA review schedules will be considered for their potential impact on the review schedule for the North Anna, Unit 3, COLA.

Should you have any questions, please contact Mr. Chandu Patel, Lead Project Manager for the North Anna, Unit 3, COLA at (301) 415-3025, or via e-mail at [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov).

Sincerely,

*/RA/*

David Matthews, Director  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-017

Enclosure:  
As stated

cc w/encl: See next page

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Should you have any questions, please contact Mr. Chandu Patel, Lead Project Manager for the North Anna, Unit 3, COLA at (301) 415-3025, or via e-mail at [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov).

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David Matthews, Director  
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As stated

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## North Anna Combined License Application Review Milestones

### Safety Review:

<b>Task Description</b>	<b>Completion Date</b>
Phase A - Preliminary Safety Evaluation Report (SER) and Requests for Additional Information	March 2012
Phase B - Advanced SER with no Open Items (OIs)	December 2012
Phase C - Advisory Committee on Reactor Safeguards Review of Advanced SER with no OIs	May 2013
Phase D - Final SER	July 2013
Mandatory Hearing Process	November 2013

### Environmental Review:

<b>Task Description</b>	<b>Completion Date</b>
Draft Supplemental Environmental Impact Statement (EIS)	March 2012
Final Supplemental EIS	October 2012

Enclosure

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cc:

(Revised 02/15/2011)

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