

April 7, 2014

Mr. Mark D. Mitchell  
Vice President – Generation Construction  
Virginia Electric and Power Company  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

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

Dear Mr. Mitchell:

By letter dated November 26, 2007, (Agencywide Documents Access and Management System (ADAMS) 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 a General Electric-Hitachi Economic Simplified Boiling-Water Reactor (ESBWR) at North Anna Power Station (North Anna), Unit 3 pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants." Subsequently, by letter dated June 28, 2010, Dominion revised its application to incorporate by reference, Mitsubishi Heavy Industries', Ltd. (MHI's) United States - Advanced Pressurized Water Reactor (US-APWR) technology for the North Anna, Unit 3 site. The North Anna, Unit 3, COL application (COLA) review schedule for the application referencing the US-APWR had been previously communicated to you in letter dated March 2, 2011.

By letter dated April 25, 2013, Dominion notified the NRC staff that it planned to revert back to ESBWR reactor technology for its North Anna COLA. On June 25, 2013, the NRC staff informed Dominion that the staff will establish a formal review schedule after Dominion submits all necessary information in a revised application and the staff determined that Dominion has provided all necessary information to conduct the NRC's review.

By letter dated December 18, 2013, Dominion submitted a revised application that incorporated by reference the ESBWR, Revision 9 and contained all necessary information for the staff to conduct its review. The NRC staff has revised its review schedule for the North Anna, Unit 3, COLA application. The revised review schedule is provided in the enclosure entitled, "North Anna Combined License Application Review Milestones." This schedule supersedes the review schedule provided to you by letter dated March 2, 2011.

The North Anna COLA review schedule establishes the milestones for both the safety and environmental reviews. The safety review schedule supports issuance of a Final Safety Evaluation Report in March 2016.

The critical path technical areas that establish the revised safety review schedule are hydrology, seismic and structural analyses, and geotechnical analysis. The revised schedule is based on the assumption that Dominion will provide responses to any request for additional information within 30 to 45 days.

The Final Supplemental Environmental Impact Statement (FSEIS) for the COL Review was issued in February 2010. In February 2011, the NRC issued a Notice of Intent in the Federal Register to prepare a supplement to the COL FSEIS based on Dominion's change from the ESBWR to the US-APWR design. The US-APWR draft supplemental EIS had not been completed when Dominion notified the NRC of its intention to revert back to the ESBWR design. As the original reason for preparing a supplement to the COL SEIS no longer exists, the staff will not be preparing a supplemental EIS to evaluate the change in impacts that could occur from a different reactor design. However, new information not related to the reactor design change has been identified which requires analysis to determine whether it is significant and whether the analysis indicates the need to prepare a supplement to the COL SEIS for reasons other than that outlined in the February 2011 Notice of Intent. The staff intends to complete these post FSEIS evaluations before the end of calendar year 2014. Should the results of the evaluations indicate the information is significant with respect to 10 CFR 51.92, the staff will prepare a supplement to the COL SEIS to disclose the change in impacts from the new information and a new environmental review schedule will be developed.

Should you have any questions, please contact Mr. Chandu Patel, Lead Project Manager for North Anna, Unit 3, COLA at (301) 415-3025, or via e-mail at [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov) or Ms. Tamsen Dozier, Environmental Project Manager at 301-415-2272 or via e-mail at [Tamsen.Dozier@nrc.gov](mailto:Tamsen.Dozier@nrc.gov).

Sincerely,

**/RA – MDelligatti for/**

Frank Akstulewicz, 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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Sincerely,  
**/RA – MDelligatti for/**  
 Frank Akstulewicz, Director  
 Division of New Reactor Licensing  
 Office of New Reactors

Docket No. 52-017

Enclosure:As stated

cc w/encl: See next page

**ADAMS Accession No.: ML14079A174**

**NRO-002**

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<b>DATE</b>	3/20/2014	3/20/2014	4/2/14	3/20/2014	3/27/14	4/3/14
<b>OFFICE</b>	NRO/DE: D	NRO/DSRA: D	OGC	NRO/DNRL: DD	NRO/DNRL: D	
<b>NAME</b>	MShuabi	CAder	MCarpentier	MDelligatti	FAkstulewicz (MDelligatti for)	
<b>DATE</b>	3/25/2014	3/26/2014	4/1/2014	4/3/2014	4/7/2014	

**OFFICIAL RECORD COPY**

Letter to M. Mitchell from F. Akstulewicz dated April 7, 2014

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APPLICATION - REVIEW SCHEDULE FOR REVISED APPLICATION

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## North Anna Combined License Application Review Milestones

### **Safety Review:**

<b>Task Description</b>	<b>Completion Date</b>
Phase 1 - Preliminary Safety Evaluation Report (PSER) and Requests for Additional Information	Completed August 2008
Phase 2 - SER with Open Items (OIs)	Completed July 2009
Phase 3 - Advisory Committee on Reactor Safeguards (ACRS) Review of SER with no OIs	Completed November 2009
Phase 4 - Advanced SER with no OIs	September 2015
Phase 5 – ACRS Review of Advanced SER with no OIs	January 2016
Phase 6 – Final SER	March 2016

### **Environmental Review:**

<b>Task Description</b>	<b>Completion Date</b>
Draft Supplemental Environmental Impact Statement	August 2008
Final Supplemental Environmental Impact Statement	February 2010*

\*In February 2011, the NRC issued a Notice of Intent to prepare a supplement to the 2010 SEIS based on Dominion's change from the ESBWR to the US-APWR design. As Dominion's application has now been revised to once again reference the ESBWR design, the NRC is reassessing the need to prepare a supplement to the 2010 SEIS.

Enclosure

COL - North Anna Mailing List

(Revised 03/20/2014)

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