

August 7, 2009

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director **/RA/**  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS REGARDING  
THE NORTH ANNA UNIT 3 COMBINED LICENSE APPLICATION

The U.S. Nuclear Regulatory Commission staff has prepared a safety evaluation report (SER) with open items (OIs) for the Final Safety Analysis Report (FSAR) of the North Anna Unit 3 combined license (COL) application. The enclosed SER with OIs is based on Revision 1 of the COL application and consists of 19 chapters with associated appendices.

The COL application was submitted by Dominion Virginia Power (Dominion) on November 26, 2007 and revised (Revision 1) on December 12, 2008 to incorporate responses to staff's requests for additional information and Revision 5 of the Economic Simplified Boiling-Water Reactor (ESBWR) Design Control Document (DCD). In addition, the COL application references the early site permit (ESP) for the North Anna ESP Site and incorporates by reference the North Anna Early Site Permit Application Site Safety Analysis Report, Revision 9. North Anna Unit 3 is the reference COL (R-COL) for the ESBWR design currently undergoing staff review for certification.

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The NRC staff presented selected chapters of the SER with OIs to the Advisory Committee on Reactor Safeguards ESBWR Subcommittee at meetings in June and July 2009 and will present the remaining chapters at the upcoming meeting on August 21, 2009. The staff will present the complete SER to the full committee in September or October 2009.

Docket No. 52-0017

Enclosure:

As stated

cc: Eugene S. Grecheck  
Vice President, Nuclear Development  
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