

January 16, 2009

Mr. David A. Christian  
President and Chief Nuclear Officer  
Virginia Electric and Power Company  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: NORTH ANNA POWER STATION, UNIT NOS. 1 AND 2 - SUPPLEMENTAL INFORMATION NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION RE: PROPOSED LICENSE AMENDMENT REQUEST ADOPTION OF TSTF-490, REVISION 0, REGARDING DELETION OF E BAR DEFINITION AND REVISION TO RCS SPECIFIC ACTIVITY USING THE CONSOLIDATED LINE ITEM IMPROVEMENT PROCESS (TAC NOS. ME0264 AND ME0265)

Dear Mr. Christian:

By letter dated December 17, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML083530982), Virginia Electric and Power Company (Dominion), submitted a license amendment request for North Anna Power Station, Unit Nos. 1 and 2 (North Anna 1 and 2). The proposed amendment would replace the current North Anna 1 and 2 technical specification (TS) limit on Reactor Coolant System (RCS) gross specific activity with a new limit on RCS noble gas specific activity. The noble gas specific activity limit would be based on a new dose equivalent Xe-133 definition that would replace the current E Bar average disintegration energy definition.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

The NRC staff has reviewed your application and concluded that the information delineated in the enclosure to this letter is necessary for the NRC staff to conclude that the application is acceptable.

In order to make the application complete, the NRC staff requests that Dominion supplement the application to address the information requested in the enclosure by January 28, 2009. This will enable the NRC staff to begin its technical review. If information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is accepted for review, you will be advised of any further information needed to support the NRC staff's technical review by separate correspondence.

D. Christian

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The information requested and associated time frame in this letter was discussed with Mr. Thomas Shaub of your staff on January 13, 2009.

Please contact Donna Wright at 301-415-1864, if you have any questions.

Sincerely,

***/RA/***

John Stang, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-338 and 50-339

Enclosure:  
As stated

cc: Distribution via Listserv

D. Christian

- 2 -

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DISTRIBUTION:

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LPLI-2 R/F  
RidsNrrPMDWright Resource  
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RGrover, NRR

RidsAcrsAcnw\_MailCTR Resource  
RidsNrrDirsltsb Resource  
RidsNrrDorlLpl1-2 Resource  
RidsRgn2MailCenter Resource

**ADAMS Accession No. ML090140077**

OFFICE	DORL/LP2-1	DORL/LPL2-1/PM	DORL/LPL2-1/LA	DORL/LPL2-1/BC
NAME	DWright	JStang	MOBrien	MWong
DATE	1/15/09	1/16/09	1/14/09	1/16/09

**OFFICIAL RECORD COPY**

SUPPLEMENTAL INFORMATION NEEDED

PROPOSED LICENSE AMENDMENT REQUEST REGARDING TSTF-490

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-338 AND 50-339

By letter dated December 17, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML083530982), Virginia Electric and Power Company (Dominion) submitted a license amendment request for North Anna Power Station, Unit Nos. 1 and 2 (North Anna 1 and 2). The proposed amendment would replace the current North Anna 1 and 2 technical specification (TS) limit on Reactor Coolant System (RCS) gross specific activity with a new limit on RCS noble gas specific activity. The noble gas specific activity limit would be based on a new dose equivalent Xe-133 definition that would replace the current E Bar average disintegration energy definition. The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your application and concluded that the information delineated below is necessary to enable the NRC staff to make an independent assessment regarding the acceptability of the proposed license amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

- 1.) The application dated December 17, 2008, refers to an NRC staff Safety Evaluation (SE), described as Reference 1, dated September 27, 2006 (ADAMS Accession No. ML062700612). This document is not publicly available. The NRC acknowledges that reference to ADAMS Accession No. ML062700612 was mistakenly contained in the notice of availability of model application for this TS improvement that was published in the *Federal Register* (72 FR 12217). However, since the submittal states that the methodology described in this NRC staff's SE was applied to develop the proposed TS changes, it is not clear how this was accomplished. In order to make the application complete, the NRC staff requests that Dominion supplement the application to provide a corrected reference for the methodology used to develop this proposed TS change as well as a correct reference to the public version of the NRC's SE for this Technical Specification Task Force Traveler.