

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 7, 2008

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

Serial No. 08-0413
NL&OS/ETS R0
Docket Nos. 50-338/339
License Nos. NPF-4/7

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNITS 1 AND 2
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
PROPOSED LICENSE AMENDMENT REQUEST
LCO 3.8.7 AND 3.8.9 – SHARED COMPONENTS

In a letter dated October 24, 2007 (Serial No. 07-0630), Dominion requested amendments, in the form of changes to the Technical Specifications to Facility Operating License Numbers NPF-4 and NPF-7 for North Anna Power Station Units 1 and 2, respectively. The proposed amendments would revise LCO 3.8.7 and LCO 3.8.9 to support shared component operability on the opposite unit. In a July 9, 2008 letter the NRC requested additional information to complete the review of the proposed amendments. The requested information is provided in the attachment to this letter.

The information provided in this letter does not affect the conclusion of the significant hazards consideration discussion provided in the October 24, 2007 Dominion letter (Serial No. 07-0630).

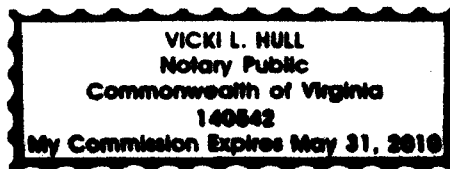
If you have any questions or require additional information, please contact Mr. Thomas Shaub at (804) 273-2763.

Very truly yours,



David A. Christian
President and Chief Nuclear Officer

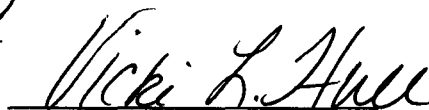
COMMONWEALTH OF VIRGINIA)
)
COUNTY OF HENRICO)



The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by David A Christian, who is President and Chief Nuclear Officer, of Virginia Electric and Power Company. He has affirmed before me that he is duly authorized to execute and file the foregoing document in behalf of that Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 7TH day of August, 2008.

My Commission Expires: May 31, 2010.


Notary Public

Attachment

Response to Request for Additional Information - Proposed License Amendment
Request LCO 3.8.7 and 3.8.9 – Shared Components

Commitments made in this letter: None.

cc: U.S. Nuclear Regulatory Commission
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North Anna Power Station

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NRC Project Manager
U. S. Nuclear Regulatory Commission
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Attachment

**Response to Request for Additional Information
Proposed License Amendment Request
LCO 3.8.7 and 3.8.9 – Shared Components**

**North Anna Power Station
Units 1 And 2
Virginia Electric and Power Company
(Dominion)**

**Response to Request for Additional Information
Proposed License Amendment Request
LCO 3.8.7 and 3.8.9 – Shared Components**

In a letter dated October 24, 2007 (Serial No. 07-0630), Dominion requested amendments, in the form of changes to the Technical Specifications to Facility Operating License Numbers NPF-4 and NPF-7 for North Anna Power Station Units 1 and 2, respectively. The proposed amendments would revise LCO 3.8.7 and LCO 3.8.9 to support shared component operability on the opposite unit. In a July 9, 2008 letter the NRC requested the following additional information to complete the review of the proposed amendments.

NRC QUESTION 1

“In the proposed Technical Specifications (TS), Limiting Condition of Operation (LCO) 3.8.7, Action B, it is stated that in case: One or more inverters required by LCO 3.8.7.b inoperable, Declare associated shared components inoperable.

Provide the following information related to the above statement (preferably in the tabular form):

- a. Specific Inverter(s) out.
- b. Specific associated component(s) inoperable.
- c. Describe how this component becomes inoperable. Provide reference drawing number from where this information can be verified, if necessary.
- d. Provide the associated system which becomes inoperable due to the associated component(s) being inoperable. Provide the associated system LCO.”

NRC QUESTION 2

“In the proposed TS, LCO 3.8.9, Action F, it is stated that in case: One or more required LCO 3.8.9.b AC vital electrical power distribution subsystem(s) inoperable, Declare associated shared components inoperable.

Provide the following information related to the above statement (preferably in the tabular form):

- a. Specific AC vital electrical power distribution subsystem(s).
- b. Specific associated component(s) inoperable.
- c. Describe how this component becomes inoperable. Provide reference drawing number from where this information can be verified, if necessary.
- d. Provide the associated system which becomes inoperable due to the associated component(s) being inoperable. Provide the associated system LCO.”

DOMINION RESPONSE

Background

There are four independent 120V ac vital distribution systems per unit. Each system is powered from a respective 125V dc panel through a static inverter. Each 120V ac vital distribution panel is normally powered from its respective static inverter. For periods of static inverter maintenance, a transfer switch is provided for each vital bus.

The following table identifies the Unit 1 and 2 inverters and the components powered by that inverter that are necessary for operability of the Emergency Core Cooling System (ECCS) Pump Room Exhaust Air Cleanup System (PREACS).

Applicable to TS changes LCO 3.8.7 Action B and 3.8.9 Action F			
Specific Inverter or Vital Bus	Specific associated shared component	How component is INOPERABLE and reference drawings.	System declared INOPERABLE and associated system LCO
Unit 1 - Inverter 1-I	SOV-HV-103-1A and 1B	Loss of power to one train of SOVs prevents operation of Air Operated Dampers AOD-HV-103-1/2/3/4 for Aux Building Central Exhaust Reference Drawings: 11715-ESK-6NW 11715-FB-006A	Emergency Core Cooling System (ECCS) Pump Room Exhaust Air Cleanup System (PREACS), LCO 3.7.12 Action A entered.
Unit 2 - Inverter 2-III	SOV-HV-103-2A and 2B	Loss of power to one train of SOVs prevents operation of Air Operated Dampers AOD-HV-103-1/2/3/4 for Aux Building Central Exhaust Reference Drawings: 11715-ESK-6NX 11715-FB-006A	Emergency Core Cooling System (ECCS) Pump Room Exhaust Air Cleanup System (PREACS), LCO 3.7.12 Action A entered.