

August 3, 2000

Mr. David A. Christian
Sr. Vice President and
Chief Nuclear Officer
Innsbrook Technical Center-2SW
5000 Dominion Blvd.
Glen Allen, Virginia 23060-6711

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) FOR GENERIC LETTER (GL) 99-02, "LABORATORY TESTING OF NUCLEAR-GRADE ACTIVATED CHARCOAL" - NORTH ANNA POWER STATION UNITS 1 AND 2 (TAC NOS. MA5817 AND MA5818)

Dear Mr. Christian:

On June 3, 1999, the NRC issued Generic Letter (GL) 99-02, "Laboratory Testing of Nuclear-Grade Activated Charcoal," to all holders of operating licenses for nuclear power reactors, except those who have permanently ceased operations and have certified that fuel has been permanently removed from the reactor vessel. In response to GL 99-02, you provided a license amendment, dated November 29, 1999, to revise your Technical Specifications (TS) to adopt the American Society for Testing and Materials (ASTM) D3803-1989, "Standard Test Method for Nuclear-Grade Activated Carbon" protocol. The staff has reviewed your November 29, 1999, response and requires additional information to complete its review. The staff's RAI inquiry is discussed below.

1. Since the residence times are directly related to the actual system face velocities, in accordance with GL 99-02, Requested Action No. 2, please indicate the actual system face velocities and how they were determined. The actual system face velocity can be calculated by dividing the worst-case design-basis accident flow rate (typically the maximum TS flow rate, nominal +10% upper value) by the total exposed surface area of the charcoal filter media. In accordance with GL 99-02, if this value is greater than 110 percent of 40 ft/min, then the TS should be revised to specify that value as the test face velocity. (The guidance on calculation of the residence times in American National Standards Institute (ANSI) N510-1975, Section 8.3.3, and American Society of Mechanical Engineers (ASME) AG-1-1997, Division II, Sections FD and FE, Articles I-1000, can be used to calculate the actual system face velocities).

This inquiry was discussed with Mr. Tom Shaub of your licensing staff on July 26, 2000, and he agreed to provide a response to these questions within 30 days of the date of this letter. The staff appreciates the effort expended on this matter.

Sincerely,

/RA/

Stephen R. Monarque, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-338 and 50-339

cc: See next page

August 3, 2000

These inquiry was discussed with Mr. Tom Shaub of your licensing staff on July 26, 2000, and he agreed to provide a response to these questions within 30 days of the date of this letter. The staff appreciates the effort expended on this matter.

Sincerely,

/RA/

Stephen R. Monarque, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-338 and 50-339

cc: See next page

DISTRIBUTION:

RidsOgcRp

PUBLIC

SMonarque (paper copy)

JSegala

RidsNrrDlpmLpdii-1 (paper copy)

RidsAcrsAcnwMailCenter

RidsNrrDssaSplb (JHannon) EDunnington (paper copy)

RidsRgn2MailCenter

Accession Number ML003737719

OFFICE	PM:PDII/S1	LA :PDII/S1	SC: SPLB	SC:PDII/S1
NAME	SMonarque:cn	EDunnington	EWeiss	REmch
DATE	08/01/00	07/31/00	08/01/00	08/02/00

OFFICIAL RECORD COPY

Mr. David A. Christian
Virginia Electric and Power Company

North Anna Power Station
Units 1 and 2

cc:

Mr. C. Lee Lintecum
County Administrator
Louisa County
P.O. Box 160
Louisa, Virginia 23093

Mr. W. R. Matthews
Site Vice President
North Anna Power Station
P.O. Box 402
Mineral, Virginia 23117

Mr. Donald P. Irwin, Esquire
Hunton and Williams
Riverfront Plaza, East Tower
951 E. Byrd Street
Richmond, Virginia 23219

Mr. E. S. Grecheck
Site Vice President
Surry Power Station
Virginia Electric and Power Company
5570 Hog Island Road
Surry, Virginia 23883

Dr. W. T. Lough
Virginia State Corporation
Commission
Division of Energy Regulation
P.O. Box 1197
Richmond, Virginia 23209

Robert B. Strobe, M.D., M.P.H.
State Health Commissioner
Office of the Commissioner
Virginia Department of Health
P. O. Box 2448
Richmond, Virginia 23218

Old Dominion Electric Cooperative
4201 Dominion Blvd.
Glen Allen, Virginia 23060

Mr. J. H. McCarthy, Manager
Nuclear Licensing & Operations Support
Virginia Electric and Power Company
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Office of the Attorney General
Commonwealth of Virginia
900 East Main Street
Richmond, Virginia 23219

Senior Resident Inspector
North Anna Power Station
U.S. Nuclear Regulatory Commission
1024 Haley Drive
Mineral, Virginia 23117