David A. Christian
Senior Vice President
Nuclear Operations and Chief Nuclear Officer

Dominion Nuclear North Anna, LLC
5000 Dominion Boulevard, Glen Allen, VA 23060

September 25, 2003

10 CFR Part 52, Subpart A

James E. Dyer, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Serial No. 03-457
NRC Project No. 719
ESP/JDH

Dear Mr. Dyer:

NORTH ANNA EARLY SITE PERMIT APPLICATION

Pursuant to Part 52, Subpart A of Title 10 of the Code of Federal Regulations, Dominion Nuclear North Anna, LLC ("Dominion") applies to the U.S. Nuclear Regulatory Commission (NRC) for an Early Site Permit (ESP) for a location in central Virginia identified as the North Anna ESP site. The location is described and characterized in the enclosed application. Dominion requests that the NRC issue an ESP with a duration of twenty years.

Pursuant to 10 CFR 52.15(b), 50.30(a)(6), and 50.4(b)(3), Dominion hereby submits this application for acceptance review and determination of sufficiency for docketing.

The North Anna ESP application is submitted in the form of a CD-ROM, consistent with NRC Regulatory Issues Summary 2001-05, *Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM*. The enclosed CD-ROM contains the North Anna ESP application organized as follows:

- **Transmittal Letter.** This transmittal letter replicated on the CD-ROM.

- **Part 1—Administrative Information**. This part contains general corporate information about Dominion and an overview of the application format and content.

- **Part 2—Site Safety Analysis Report**. This part contains information about site safety, emergency preparedness, and quality assurance. The site safety analysis information includes a description of the site and proposed facilities, an assessment of the site features affecting the facility design, and the meteorological, hydrologic, geologic, and seismic characteristics of the ESP site.

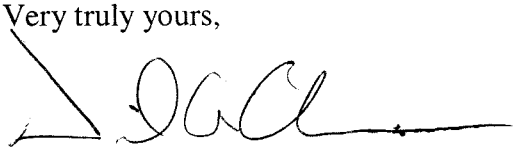
- **Part 3—Environmental Report**. This part contains information about site environmental issues sufficient to support a NRC evaluation culminating in the issuance of an Environmental Impact Statement.

- **Part 4—Programs and Plans**. This part contains information about site redress.

Service upon the applicants of comments, hearing requests, intervention petitions or other pleadings related to this application should be made to counsel for Dominion as follows: Lillian M. Cuoco, Senior Counsel, Dominion Resources Services, Inc., Rope Ferry Road, Waterford, CT 06385 (phone: 860-444-5316; e-mail: lillian_cuoco@dom.com; fax: 860-444-4278) and David R. Lewis at Shaw Pittman, 300 N. Street, N.W., Washington D.C. 20037 (phone: 202-663-8474; e-mail: david.lewis@shawpittman.com; fax: 202-663-8007).

Any written correspondence to Dominion regarding this application should be sent to me at the address shown above. If any additional information concerning this application is needed, please contact Mr. Joseph D. Hegner (phone: 804-273-2770 or e-mail: joseph_hegner@dom.com).

Very truly yours,



David A. Christian

Enclosures: 1. Affirmation Statement
2. CD-ROM containing North Anna ESP Application

C w/encls: Mr. L. Reyes, NRC Region II Administrator
Mr. M. Morgan, NRC North Anna Senior Resident Inspector
Mr. M. Scott, NRC North Anna ESP Project Manager
Dr. R. Simard, Nuclear Energy Institute
Ms. M. Parkhurst, Battelle, DOE

I, David A. Christian, being duly sworn according to law, state that I am Senior Vice President-Nuclear Operations and Chief Nuclear Officer of Dominion Nuclear North Anna, LLC, that I am authorized to sign and file this application on behalf of Dominion Nuclear North Anna, LLC, and that the application is true and correct to the best of my knowledge, information and belief.

Dominion Nuclear North Anna, LLC

David A. Christian
Senior Vice President-Nuclear Operations and
Chief Nuclear Officer

STATE OF Virginia

COUNTY OF Henrico

Subscribed and sworn to before me, a Notary Public, in and for the County and State above named, this 18th day of September, 2003.

Maggie McClure

My commission expires 3-31-04

Eugene S. Grecheck
Vice President-Nuclear Support Services

Dominion Nuclear North Anna, LLC
5000 Dominion Boulevard, Glen Allen, VA 23060

Dominion

October 2, 2003

10 CFR Part 52, Subpart A

James E. Dyer, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Serial No. 03-457A
NRC Project No. 719
ESP/JDH

Dear Mr. Dyer:

NORTH ANNA EARLY SITE PERMIT APPLICATION—REVISION 1

On September 25, 2003, Dominion Nuclear North Anna, LLC (Dominion) submitted its North Anna Early Site Permit application, Revision 0, to the NRC pursuant to 10 CFR 52, Subpart A. As a result of subsequent discussions between M. L. Scott, North Anna ESP Project Manager, and J. D. Hegner of my staff, it was determined that unnecessary detail had been included in Revision 0 of the application. That information has since been removed and Revision 1 of the North Anna Early Site Permit application in CD-ROM format is enclosed. A set of affected pages is also enclosed for convenience.

If you have any questions or require additional information, please contact Mr. Hegner at 804-273-2770 or joseph_hegner@dom.com.

Very truly yours,

Eugene S. Grecheck

Enclosures: 1. Affirmation Statement
2. CD-ROM containing North Anna ESP Application, Revision 1
3. Revision 1 Affected Pages

C w/encls 1&2:
Mr. L. Reyes, NRC Region II Administrator
Mr. M. Morgan, NRC North Anna Senior Resident Inspector
Mr. M. Scott, NRC North Anna ESP Project Manager
Dr. R. Simard, Nuclear Energy Institute
Ms. M. Parkhurst, Battelle, DOE

Serial No. 03-0457A
Enclosure 1

I, Eugene S. Grecheck, being duly sworn according to law, state that I am Vice President-Nuclear Support Services of Dominion Nuclear North Anna, LLC, that I am authorized to sign and file this document on behalf of Dominion Nuclear North Anna, LLC, and that the information is true and correct to the best of my knowledge, information and belief.

Dominion Nuclear North Anna, LLC

Eugene S. Grecheck
Vice President – Nuclear Support Services

STATE OF Virginia

COUNTY OF Henrico

Subscribed and sworn to before me, a Notary Public, in and for the County and State above named, this 2nd day of October, 2003.

Maggie McClure

My commission expires 3-31-04