

March 25, 2011

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

---

In the Matter of )  
 )  
 )  
 VIRGINIA ELECTRIC AND POWER CO., )  
 dba DOMINION VIRGINIA POWER and )  
 OLD DOMINION ELECTRIC COOPERATIVE ) Docket No. 52-017-COL  
 )  
 (North Anna Power Station, Unit 3) )  
 )  

---

INTERVENOR'S RESPONSE TO BOARD QUESTIONS

1. At the hearing on March 3, 2011 the Board asked questions regarding the plant parameter envelope in the application for the Early Site Permit ("ESP") as opposed to the 1700 MWe pressurized water reactor ("PWR") that was the subject of the June 28, 2010 revision of the Combined Operating License Application ("COLA"). In preparing comments on a supplemental environmental impact statement subsequent to the hearing, Intervenor researched the question and determined that the plant parameter envelope did not in fact include a PWR the size or potential heat output of the proposed reactor in the new COLA.

The ESP plant parameter envelope does not encompass the COL design for the PWR proposed by Dominion-Virginia Power. The plant parameter envelope for the North Anna ESP considered reactors no larger than 4500 megawatts thermal power (MWt). North Anna Unit 3 was originally proposed as a boiling water reactor with a thermal power of 4500 MWt and an electrical output of 1520 MWe. The North Anna Early Site Permit Application Part 3 - Environmental Report, Revision 9, September 2006, pages 3.3.3 and 3.3.4 states:

The unit sizes of these conventional plants also vary, with some individual units having reactor ratings of as much as 4500 MWt. The conventional style plants that are based on dual-reactor construction have individual power ratings significantly less than that stated above, and the 4500 MWt rating bounds these dual-reactor designs.... An operating unit or group of modules typically has a maximum total thermal power rating of not greater than 4500 MWt, with a maximum electrical capacity of about 1520 MWE....



UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

\_\_\_\_\_) )  
In the Matter of ) )  
 ) )  
VIRGINIA ELECTRIC AND POWER CO., ) )  
dba DOMINION VIRGINIA POWER and ) )  
OLD DOMINION ELECTRIC COOPERATIVE ) Docket No. 52-017-COL  
 ) )  
(North Anna Power Station, Unit 3) ) )  
\_\_\_\_\_) )

CERTIFICATE OF SERVICE

I hereby certify that copies of the forgoing INTERVENOR'S RESPONSE TO BOARD QUESTIONS on behalf of the Blue Ridge Environmental Defense Fund, Inc., have been served upon the following persons by Electronic Information Exchange:

U.S. Nuclear Regulatory Commission  
Atomic Safety and Licensing Board Panel  
Mail Stop - T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Ronald M. Spritzer, Chair  
Administrative Judge  
E-mail: [rms4@nrc.gov](mailto:rms4@nrc.gov)

Richard F. Cole  
Administrative Judge  
E-mail: [rfc1@nrc.gov](mailto:rfc1@nrc.gov)

Alice C. Mignerey  
Administrative Judge  
E-mail: [acm3@nrc.gov](mailto:acm3@nrc.gov)

Josh Kirstein, Law Clerk, ASLBP  
E-mail: [josh.kirstein@nrc.gov](mailto:josh.kirstein@nrc.gov)

U.S. Nuclear Regulatory Commission  
Office of the General Counsel  
Mail Stop - O-15 D21  
Washington, DC 20555-0001  
Marian Zabler, Esq.  
Robert Weisman, Esq.  
Sara Kirkwood, Esq.  
Jody C. Martin, Esq.  
Marcia Carpentier, Esq.  
Anthony Wilson, Esq.  
Joseph Gillman, Paralegal  
E-mail: [marian.zabler@nrc.gov](mailto:marian.zabler@nrc.gov)  
[rmw@nrc.gov](mailto:rmw@nrc.gov)  
[sara.kirkwood@nrc.gov](mailto:sara.kirkwood@nrc.gov);  
[jody.martin@nrc.gov](mailto:jody.martin@nrc.gov)  
[marcia.carpentier@nrc.gov](mailto:marcia.carpentier@nrc.gov)  
[anthony.wilson@nrc.gov](mailto:anthony.wilson@nrc.gov)  
[joseph.gilman@nrc.gov](mailto:joseph.gilman@nrc.gov)

OGC Mail Center:  
[ogcmailcenter@nrc.gov](mailto:ogcmailcenter@nrc.gov)

U.S. Nuclear Regulatory Commission  
Office of the Commission Appellate  
Adjudication  
ATTN: Docketing and Service  
Mail Stop: O-16C1  
Washington, DC 20555-0001  
E-mail: [Hearingdocket@nrc.gov](mailto:Hearingdocket@nrc.gov)

U.S. Nuclear Regulatory Commission  
Office of the Secretary  
Mail Stop: O-16C1  
Washington, DC 20555-0001  
E-mail: [Hearingdocket@nrc.gov](mailto:Hearingdocket@nrc.gov)

Dominion Resources Services, Inc.  
120 Tredgar Street, RS-2  
Richmond, VA 23219  
Lillian M. Cuoco, Senior Counsel  
E-mail: [Lillian.Cuoco@dom.com](mailto:Lillian.Cuoco@dom.com)

Old Dominion Electric Cooperative  
4201 Dominion Boulevard, Suite 200  
Glen Allen, VA 23060  
James Patrick Guy II, Esq.  
E-mail: [james.guy@leclairryan.com](mailto:james.guy@leclairryan.com)

Pillsbury Winthrop Shaw Pittman LLP  
2300 N Street, NW  
Washington, DC 20037-1128  
David R. Lewis, Esq, Counsel for  
Dominion

Robert B. Haemer, Esq.  
Jason B. Parker, Esq.  
Stefanie Nelson George, Esq.  
Maria Webb, Paralegal  
E-mail: [david.lewis@pillsburylaw.com](mailto:david.lewis@pillsburylaw.com)  
[jason.parker@pillsburylaw.com](mailto:jason.parker@pillsburylaw.com)  
[robert.haemer@pillsburylaw.com](mailto:robert.haemer@pillsburylaw.com)  
[stephanie.george@pillsburylaw.com](mailto:stephanie.george@pillsburylaw.com)  
[maria.webb@pillsburylaw.com](mailto:maria.webb@pillsburylaw.com)

North Carolina Utilities Commission  
Louis S. Watson, Jr., Senior Staff  
Attorney  
Kim Jones, Analyst  
4325 Mail Service Center  
Raleigh, NC 27699-4325  
E-mail: [swatson@ncuc.net](mailto:swatson@ncuc.net)  
[kjones@ncuc.net](mailto:kjones@ncuc.net)

Morgan, Lewis & Bockius, LLP  
1111 Pennsylvania Ave., NW  
Washington, D.C. 20004  
Stephen J. Burdick, Esq.  
E-mail [sburdick@morganlewis.com](mailto:sburdick@morganlewis.com)

Blue Ridge Environmental Defense  
League  
P.O. Box 88  
Glendale Springs, NC 28629  
Lous A. Zeller  
E-mail: [BREDL@skybest.com](mailto:BREDL@skybest.com)

This is the 25<sup>th</sup> day of March 2011.

/signed (electronically) by/  
John D. Runkle  
Attorney at Law  
P.O. Box 3793  
Chapel Hill, NC 27515  
919-942-06000  
[jrunkle@pricecreek.com](mailto:jrunkle@pricecreek.com)