

Eugene S. Grecheck
Vice President Nuclear Engineering and Development
Dominion Nuclear

A business unit of
Dominion Resources, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Phone: 804-273-2442; Fax: 804-273-3471
Email: Eugene.Grecheck@dom.com



August 13, 2013

dom.com

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

Serial No. NA~~3-13~~-013
Docket No. 52-017
COL/DBE

DOMINION VIRGINIA POWER
NORTH ANNA UNIT 3 COMBINED LICENSE APPLICATION
ESBWR REACTOR PRESSURE VESSEL PRESSURE-TEMPERATURE LIMITS
REPORT

This letter forwards the Pressure and Temperature Limits Report (PTLR), Revision 5, referenced in Technical Specifications 5.6.4.b of the North Anna Combined License Application (COLA) for NRC staff review.

The PTLR was developed by GE Hitachi Nuclear Energy (GEH). The information provided in this report is generic and is expected to apply to all Combined Operating License (COL) applicants referencing the ESBWR Design Control Document. Dominion previously submitted Revision 3 of NEDC-33441 and NEDC-33441P, "GE Hitachi Nuclear Energy Methodology for the Development of ESBWR Reactor Vessel Pressure-Temperature Curves," on December 9, 2009 (ML093490251).

Revision 5 of the non-proprietary and proprietary versions of the PTLR are included in Enclosures 1 and 3. They are the same reports submitted by DTE Energy on March 3, 2011 (ML110670090) for use by Fermi 3. The staff reviewed the PTLR while developing Chapter 5 of Fermi 3's Safety Evaluation Report (SER) (ML112351095) and determined the report satisfied the requirements of Generic Letter (GL) 96-03 and 10 Code of Federal Regulations (CFR) Part 50, Appendix G.

The non-proprietary version of Revision 5 of the PTLR (NEDO-33441¹) is included in Enclosure 1, and the proprietary version (NEDC-33441P) is included in Enclosure 3. An affidavit signed by GEH, the owner of the information, is provided in Enclosure 2. The affidavit sets forth the basis on which the information in Enclosure 3 should be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (a)(4) of 10 CFR 2.390 of the Commission's regulations. Accordingly, it is respectfully requested that the information, which is

ENCLOSURE CONTAINS PROPRIETARY INFORMATION

Enclosure 3 contains information to be withheld from public disclosure in accordance with 10 CFR 2.390. Upon removal of Enclosure 3, this letter is decontrolled.

¹ Revision 3 of the non-proprietary PTLR has serial number NEDC-33441, while Revision 5 has serial number NEDO-33441. Subsequent to Revision 3, GEH implemented a revised process for creating redacted versions of reports, with the non-proprietary versions assigned a "NEDO" prefix.

D089
NRO

proprietary to GEH, be withheld from public disclosure in accordance with 10 CFR 2.390 of the Commission's regulations. Correspondence with respect to the copyright or proprietary aspects of the GEH information noted above or the supporting GEH affidavit should be addressed to: David Hinds, Manager, New Units Engineering, GE Hitachi Nuclear Energy, 3901 Castle Hayne Road, Wilmington, NC 28401.

Please contact Regina Borsh at (804) 273-2247 (regina.borsh@dom.com) if you have questions.

Very truly yours,



Eugene S. Grecheck

Enclosures:

1. GEH Licensing Topical Report NEDO-33441, Revision 5, February 2011, "GE Hitachi Nuclear Energy Methodology for the Development of ESBWR Reactor Pressure Vessel Pressure-Temperature Curves," NON-PROPRIETARY
2. Affidavit for GEH Licensing Topical Report NEDC-33441P, Revision 5, "GE Hitachi Nuclear Energy Methodology for the Development of ESBWR Reactor Pressure Vessel Pressure-Temperature Curves"
3. GEH Licensing Topical Report NEDC-33441P, Revision 5, February 2011, "GE Hitachi Nuclear Energy Methodology for the Development of ESBWR Reactor Pressure Vessel Pressure-Temperature Curves," PROPRIETARY

Commitments made by this letter:
None

<p>ENCLOSURE CONTAINS PROPRIETARY INFORMATION Enclosure 3 contains information to be withheld from public disclosure in accordance with 10 CFR 2.390. Upon removal of Enclosure 3, this letter is decontrolled.</p>
--

COMMONWEALTH OF VIRGINIA

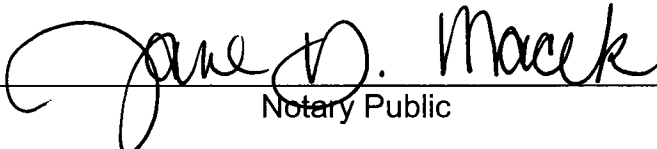
COUNTY OF HENRICO

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Eugene S. Grecheck, who is Vice President-Nuclear Engineering and Development of Virginia Electric and Power Company (Dominion Virginia Power). He has affirmed before me that he is duly authorized to execute and file the foregoing document on behalf of the Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 13th day of August, 2013

My registration number is 112536 and my

Commission expires: April 30, 2015



Notary Public

cc: U. S. Nuclear Regulatory Commission, Region II
C. P. Patel, NRC
T. S. Dozier, NRC
G. J. Kolcum, NRC

ENCLOSURE CONTAINS PROPRIETARY INFORMATION

Enclosure 3 contains information to be withheld from public disclosure in accordance with 10 CFR 2.390. Upon removal of Enclosure 3, this letter is decontrolled.