

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

March 22, 2016

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Director, Division of Spent Fuel Management  
Office of Nuclear Material Safety and Safeguards  
Washington, DC 20555-0001

Serial No. 16-055  
NLOS/TJS R0  
Docket No. 72-16  
License No. SNM-2507

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION INDEPENDENT SPENT FUEL STORAGE**  
**INSTALLATION**  
**PROPOSED TECHNICAL SPECIFICATION CHANGE REQUEST REGARDING**  
**STORAGE OF INCREASED MAXIMUM ENRICHMENT AND BURN-UP FUEL IN A**  
**MODIFIED TN-32B STORAGE CASK**  
**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION AND**  
**SUPPLEMENTAL INFORMATION**

On August 24, 2015, Virginia Electric and Power Company (Dominion) requested an amendment (ADAMS Accession No. ML15239B251) in the form of revisions to the Technical Specifications to License Number SNM-2507 for the North Anna Power Station (NAPS) Independent Spent Fuel Storage Installation (ISFSI). The proposed amendment would allow storage of spent fuel in a modified TN-32B bolted lid cask as part of the High Burn-up Dry Storage Cask Research and Development Project sponsored by the Department of Energy (DOE) and the Electric Power Research Institute (EPRI). This initial submittal was subsequently supplemented several times (see References) in response to NRC requests for supporting information.

On January 15, 2016, Dominion received a Request for Additional Information (RAI) (ADAMS Accession Nos. ML 16019A206 / letter, ML 16019A209 / enclosure) pertaining to the High Burn-up Dry Cask Research and Development Project. Dominion's response to the RAI is contained in Attachments 1 through 4.

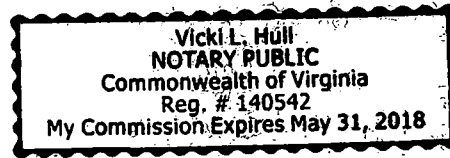
Attachment 5 provides supplemental information regarding optional material that AREVA TN has recently specified for the cask lid bolts. The referenced drawing and calculation associated with this optional material is proprietary information and will be submitted by a separate letter.

NM5524

If you have any questions or require additional information, please contact Mr. Thomas Szymanski at (804) 273-3065.

Sincerely,

Mark D. Sartain  
Vice President – Nuclear Engineering



COMMONWEALTH OF VIRGINIA )  
 )  
COUNTY OF HENRICO )

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Mark D. Sartain, who is Vice President – Nuclear Engineering, 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 22<sup>nd</sup> day of March, 2016.

My Commission Expires: 5-31-18 Vicki L. Hull  
Notary Public

References:

1. Dominion Letter No. 15-369A, dated 10/08/15 (ADAMS Accession No. ML 15289A189)
2. Dominion Letter No. 15-369C, dated 11/18/15 (ADAMS Accession No. ML 15328A483)
3. Dominion Letter No. 15-369D, dated 11/19/15 (ADAMS Accession No. ML 15331A132)
4. Dominion Letter No. 15-369E, dated 12/01/15 (ADAMS Accession No. ML 15342A065)
5. Dominion Letter No. 15-369F, dated 11/19/15 (ADAMS Accession No. ML 16022A073)
6. Dominion Letter No. 15-369G, dated 12/28/15 (Proprietary)
7. Dominion Letter No. 15-369H, dated 01/14/16 (ADAMS Accession No. ML 16019A335)
8. Dominion Letter No. 15-369I, dated 02/04/16 (ADAMS Accession No. ML 16043A371)

Attachments:

1. Responses to RAI Questions Related to HBU Cask
2. Dominion Calculation PA-0243
3. Preliminary Changes to the North Anna ISFSI Safety Analysis Report
4. TN-32 Final Safety Analysis Report (FSAR), Revision 2
5. TN-32 HBU Cask, Optional Lid Bolt Material

Commitments made in this letter:

1. Supplemental proprietary information will be submitted to the NRC by a separate letter as indicated in Attachments.

cc: U.S. Nuclear Regulatory Commission (w/o Attachments)  
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