

September 13, 2017

Mr. Daniel G. Stoddard  
Senior Vice President and Chief Nuclear Officer  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: AMENDMENT NO. 5 TO MATERIALS LICENSE NO. 2507 FOR THE NORTH ANNA POWER STATION INDEPENDENT SPENT FUEL STORAGE INSTALLATION (CAC NO. L25047)

Dear Mr. Stoddard:

By letter dated August 24, 2015, as supplemented October 8, November 18, November 19, December 1, and December 28, 2015; January 14, March 22, March 23, April 21, June 21, July 26, September 23, November 22, 2016, April 10, and June 14, 2017 you submitted an amendment request for the North Anna Power Station Independent Spent Fuel Storage Installation. You requested an amendment in the form of changes to the Technical Specifications to Materials License Number SNM-2507 for the North Anna Power Station Independent Spent Fuel Storage Installation. The proposed changes 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 and the Electric Power Research Institute.

Based on its review of your application, as revised and supplemented, the Nuclear Regulatory Commission (NRC) staff has determined that there is reasonable assurance that: (i) the activities authorized by the amended license can be conducted without endangering the health and safety of the public and (ii) these activities will be conducted in compliance with the regulations in Title 10 of the *Code of Federal Regulations* Part 72 applicable to specific Independent Spent Fuel Storage Installation licenses. NRC staff has further determined that the issuance of the amendment will not be inimical to the common defense and security. These findings are documented in the attached safety evaluation report. Also in connection with the issuance of the license amendment, an Environmental Assessment and Finding of No Significant Impact was noticed in the *Federal Register* on June 30, 2016 (81 *FR* 42743).

The NRC has approved the requested amendment. Changes made to the attached License No. SNM-2507, including technical specifications, are indicated by vertical lines in the right margin. Also attached is a draft of the *Federal Register* notice of the action taken.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the publicly available records component of ADAMS. ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions regarding this matter, you may contact me at (301) 415-5722 or you may contact Chris Allen of my staff at (301) 415-6877.

Sincerely,

**/RA/**

John McKirgan, Chief  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-16  
CAC No.: L25047

Enclosures:

1. Safety Evaluation Report
2. License No. SNM-2507  
Appendix A – Technical Specifications  
Page Changes
3. Draft *Federal Register* Notice

cc: See attached list

AMENDMENT NO. 5 TO MATERIALS LICENSE NO. 2507 FOR THE NORTH ANNA POWER STATION INDEPENDENT SPENT FUEL STORAGE INSTALLATION (CAC NO. L25047),  
DOCUMENT DATE: September 13, 2017

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