



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

June 7, 2012

10 CFR 50.4  
10 CFR 50.90

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Sequoyah Nuclear Plant, Unit 2  
Facility Operating License No. DPR-79  
Docket No. 50-328

**Subject: License Amendment Request Regarding the Proposed Technical Specification Changes to Allow Use of Shield Building Dome Penetrations During Modes 1 Through 4; Withdrawal of Request (TAC NO. ME7026)**

- Reference:
1. Letter from TVA to NRC, "Application for Temporary Change to Technical Specifications to Allow Use of Penetrations in Shield Building Dome During Modes 1 through 4; and Request for Specific Usage of Alternate Source Term Methodology for Calculating Radiation Doses Associated with the Proposed Temporary Change to Technical Specifications (TS-SQN-2011-03)," dated August 31, 2011
  2. Letter from NRC to TVA, "Sequoyah Nuclear Plant, Unit 2 - Request for Additional Information Regarding the Propopsed [sic] Technical Specification Changes to Allow Use of Shield Building Dome Penetrations During Modes 1 Through 4 (TAC NO. ME7026)," dated May 15, 2012

By letter dated August 31, 2011 (Reference 1), the Tennessee Valley Authority (TVA) submitted a request for a one-time Technical Specification change and a request for specific usage of Alternate Source Term methodology for the Sequoyah Nuclear Plant, Unit 2, Facility Operating License No. DPR-79. The license amendment request was to allow the use of penetrations in the Shield Building dome during Modes 1 through 4 for movement of material to the top of the Unit 2 annulus prior to the start of the refueling outage in support of the Steam Generator Replacement Project (SGRP).

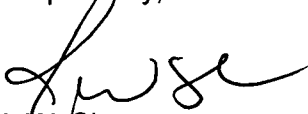
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In developing a response to questions raised by the NRC in the Reference 2 request for additional information, TVA prepared a revised mission dose calculation for the dedicated individuals assigned to close the penetration hatch. The results of the revised calculation indicate that shielding will be required for protection of the dedicated individuals. After further review of the cost to obtain and install the shielding, and the reduced benefits considering the time remaining before the start of the SGRP refueling outage in October 2012, TVA has elected to withdraw the Reference 1 license amendment request.

There are no regulatory commitments associated with this submittal. If you have any questions, please contact Clyde Mackaman at (423) 751-2834.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 7<sup>th</sup> day of June 2012.

Respectfully,



J. W. Shea  
Manager, Corporate Nuclear Licensing

cc:

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Sequoyah Nuclear Plant  
Director, Division of Radiological Health, Tennessee State Department of  
Environment and Conservation