



Tennessee Valley Authority  
1101 Market Street, LP 3R  
Chattanooga, Tennessee 37402-2801

**R. M. Krich**  
Vice President  
Nuclear Licensing

July 27, 2011

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, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

**Subject: Response to NRC Request for Supplemental Information  
Regarding Application to Modify Technical Specifications for Use  
of AREVA Advanced W17 HTP Fuel (TS-SQN-2011-07)**

**Reference:** Letter from TVA to NRC, "Application to Modify Technical  
Specifications for Use of AREVA Advanced W17 HTP Fuel  
(TS-SQN-2011-07)," dated June 17, 2011

By the reference letter dated June 17, 2011, the Tennessee Valley Authority (TVA) submitted a request for amendment to the Technical Specifications (TS) for Sequoyah Nuclear Plant (SQN), Units 1 and 2. The amendment request proposed to allow use of AREVA Advanced W17 High Thermal Performance (HTP) Fuel at SQN, Units 1 and 2. In a telephone call between TVA and NRC representatives on July 21, 2011, the NRC requested that supplemental information be provided. The attachments to this letter have been revised to include the supplemental information requested by the NRC. No other changes have been made to the enclosure and attachments provided in the reference letter.

Attachment 1 to this letter contains information that AREVA NP considers to be proprietary in nature and subsequently, pursuant to 10 CFR 2.390, "Public inspections, exemptions, requests for withholding," paragraph (a)(4), it is requested that such information be withheld from public disclosure. Attachment 3 to this letter provides the affidavit supporting this request. Attachment 2 to this letter contains the redacted version of the proprietary attachment with the proprietary material removed, which is suitable for public disclosure.

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NR2

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TVA has determined that the supplemental information provided by this letter does not affect the no significant hazards considerations associated with the proposed TS changes provided in the reference letter. The proposed TS changes still qualify for a categorical exclusion from environmental review pursuant to the provisions of 10 CFR 51.22(c)(9). Additionally, in accordance with 10 CFR 50.91(b)(1), TVA is sending a copy of this letter and the non-proprietary attachments to the Tennessee State Department of Environment and Conservation.

There are no regulatory commitments associated with this submittal. Please address any questions regarding this request to Dan Green at 423-751-8423.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 27th day of July 2011.

Respectfully,



R. M. Krich

Attachments:

1. ANP-2986(P), Revision 3, Sequoyah HTP Fuel Transition, July 2011 (Proprietary Version)
2. ANP-2986(NP), Revision 3, Sequoyah HTP Fuel Transition, July 2011 (Non-Proprietary Version)
3. AREVA NP Affidavit

cc (Attachments):

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