

August 31, 2009

Mr. Ashok S. Bhatnagar
Senior Vice President
Nuclear Generation Development
and Construction
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 2 – CORRECTIVE ACTION PROGRAM
PLANS FOR CABLE AND ELECTRICAL ISSUES (TAC NO. MD9182)

Dear Mr. Bhatnagar:

By letter dated May 29, 2008, as supplemented on January 14, April 06, and May 18, 2009, the Tennessee Valley Authority (TVA) submitted an application for approval of the cable issues corrective action program (CAP) plan for Watts Bar Nuclear Plant (WBN) Unit 2. Specifically, TVA provided the program methods that it would use to resolve those subissues of the cable issues CAP that are different from those used for resolution at WBN Unit 1. In its letter of January 29, 2008, describing the regulatory framework for completion of construction and licensing activities for Unit 2, TVA had committed to describe such differences and provide appropriate justifications for use of a different approach in Unit 2 to demonstrate equally effective alternate resolutions to these cable issues.

In a letter dated September 26, 2008, as supplemented on May 18, 2009, TVA provided the summaries of other CAP plans and Special Project (SP) plans (including subissues) describing proposed actions, current status of licensing review, analysis of conformance, effect on the WBN Final Safety Analysis Report, effect on the technical specifications and technical requirements manual, items requiring verification and inspection, and the interdependencies of these issues. In the September 26, 2008, letter, TVA additionally identified and provided the bases for changes to the implementation of several CAP issues. The U.S. Nuclear Regulatory Commission (NRC) staff reviewed the information provided by TVA and determined that, based on the TVA description and the staff's review (documented in NUREG-1232, Volume 4, and the applicable supplements of NUREG-0847), there is reasonable assurance that, when implemented as described, certain CAP and SP issues can be designated as acceptable for implementation at WBN Unit 2. The NRC staff documented its conclusions regarding the status of the CAPs and SPs in a letter to TVA dated February 11, 2009, which listed the CAP plan issues that remained open for program review..

The NRC has completed its review of the CAP plans for the cable and electrical issues. Based on its review, the staff concludes that these CAP plans provide acceptable guidelines for

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identification, resolution, implementation, and inspection of the various issues addressed in the program plans. The enclosed safety evaluation provides the details of the staff's review.

If you have questions regarding this correspondence, please contact me at 301-415-1457.

Sincerely,

/RA/

Patrick D. Milano, Senior Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-391

Enclosure:
Safety Evaluation

cc w/encl: Distribution via Listserv

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