



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

ENCLOSURE

STAFF EVALUATION OF THE CORRECTIVE ACTION PROGRAM

FOR ELECTRICAL ISSUES

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-390

The staff has reviewed the corrective action program (CAP) Plan for Electrical Issues, Revision 0, which was enclosed with TVA's letter dated February 15, 1989. This program was initiated based on various employee concerns related to electrical installations, materials and equipment, and conditions adverse to quality (CAQR) documents. Based on this review, TVA has identified five separate technical areas related to electric issues. These areas are as follows:

- (a) Flexible conduit installations
- (b) Physical cable separation and electrical isolation
- (c) Contact and coil rating of electrical devices
- (d) Torque switch and overload relay bypass capability for active safety-related valves
- (e) Adhesive-backed cable support mount

TVA established the subject CAP to ensure that the technical requirements necessary for plant safety are met and that these technical requirements comply with the licensing requirements and design basis documents. TVA plans to use the CAP to resolve various CAQRs and related employee concerns.

Actions to be included by TVA under the CAP include: (1) identification of technical issues, (2) resolution of technical issues including the development or revision of the design output documents and procedures, (3) establishment of the corrective actions for the items not in conformance with the design output documents and (4) installation, modification and inspection of the corrective actions.

The staff has reviewed the subject CAP and also discussed it with TVA during a meeting, held with TVA on March 16-17, 1989. During the meeting, the staff raised the concern with the limited scope of the CAP. TVA stated that the electrical issues CAP is not inclusive for all electrical issues or concerns. For example, cable issues are addressed in the Cable Issues CAP, calculations are addressed in the Design Basis and Verification Program CAP, the Master

Fuse List is addressed under a special program discussed in the Nuclear Performance Plan, Volume 4, and other, more specific issues are resolved through the CAQR process.

Based on the staff's review and the above discussions, the staff finds that the subject CAP establishes acceptable program guidelines for identification, resolution, implementation and inspection for the five specific electrical issues, discussed in the CAP, at WBN, Unit 1.