

TENNESSEE VALLEY AUTHORITY

Sequoyah Nuclear Plant
Post Office Box 2000
Soddy-Daisy, Tennessee 37379
May 10, 1990

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

Gentlemen:

In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - EAGLE 21 FUNCTIONAL UPGRADE COMMITMENTS

This letter documents commitments requested by and discussed with NRC during a May 10, 1990, telephone conference call. These commitments support NRC's review of the SQN Eagle 21 reactor protection system function upgrade. These commitments address reporting of Eagle 21 performance during the first cycle of operation and software change control. The software change control commitment is based on the currently approved verification and validation program. TVA recognizes that as the software change control program matures improvements will be made. The software change control commitment allows for the adoption of future NRC-approved programs. Likewise, the overall administrative control program requirements may change. TVA will continue to evaluate the program's needs and performance and will propose any appropriate changes to the commitment in the last of the Eagle 21 performance reports.

The commitments are provided in the enclosure. Please direct questions concerning this issue to Russell E. Thompson at (615) 843-7470.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Marly Buzynski
E. G. Wallace, Manager
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Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

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ENCLOSURE

List of Commitments

1. TVA will submit to NRC a report describing design hardware, design software, and maintenance problems with Eagle 21 encountered during Unit 1 startup and power ascension from the Cycle 4 refueling outage within 30 days of reaching 100 percent power.
2. TVA will submit to NRC periodic reports describing design hardware, design software, and maintenance problems with Eagle 21 for Unit 1 Cycle 5 operation at approximately 6 month intervals.
3. TVA will implement design controls that require NRC review and approval for any software change not developed in accordance with Revision 3 of the Eagle 21 Replacement Hardware Design, Verification and Validation Plan (Westinghouse WCAP-12374, Appendix A), or any other NRC-approved verification and validation plan.