



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37378

J. L. Wilson
Vice President, Sequoyah Nuclear Plant

September 1, 1992

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

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket No. 50-327

SEQUOYAH NUCLEAR PLANT (SQN) - UNIT 1 REACTOR VESSEL SURVEILLANCE
CAPSULE X ANALYSIS SUMMARY REPORT

Enclosed is the summary report for SQN's Unit 1 reactor vessel surveillance capsule X as required by Appendix H to 10 CFR 50 and SQN Technical Specification (TS) Surveillance Requirement 4.4.9.1.2. The enclosed report is provided as Westinghouse Electric Corporation, WCAP-13333, "Analysis of Capsule X From the Tennessee Valley Authority Sequoyah Unit No. 1 Reactor Vessel Radiation Surveillance Program."

The surveillance capsule X is the third capsule to be removed from the SQN Unit 1 reactor vessel. The surveillance capsule received an average fast neutron fluence of 1.61×10^{19} neutrons per square centimeter over 5.27 effective full power years (EFPYs) of plant operation. The surveillance capsule materials exhibit a more than adequate upper-shelf energy level for continued safe-plant operation and are expected to maintain an upper-shelf energy of no less than 50 foot-pounds throughout the life (32 EFPY) of the vessel as required by 10 CFR 50, Appendix G. Based on the results of the analysis of the surveillance capsule X, no changes in SQN's pressure temperature limit curves, Figures 3.4-2, 3.4-3, and 3.4-4 of the Unit 1 TSs, are required at this time.

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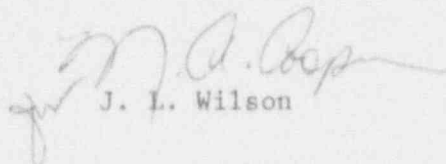
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Please direct questions concerning this issue to D. V. Goodin at
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Sincerely,


J. L. Wilson

Enclosure

cc (Enclosure):

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ENCLOSURE

WESTINGHOUSE ELECTRIC CORPORATION

WCAP-13333

ANALYSIS OF CAPSULE X FROM THE
TENNESSEE VALLEY AUTHORITY
SEQUOYAH UNIT NO. 1
REACTOR VESSEL
RADIATION SURVEILLANCE PROGRAM

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