



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379

December 19, 1995

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) - ADDITIONAL INFORMATION FOR AMERICAN
SOCIETY OF MECHANICAL ENGINEERS (ASME) ALTERNATIVE CANOPY SEAL
WELDS - UNIT 1

Reference: TVA letter to NRC dated October 11, 1995, "Sequoyah Nuclear Plant
(SQN) - Request for Approval of Alternative to American Society of
Mechanical Engineers (ASME) Code Requirements - Canopy Seal Welds -
Unit 1"

As requested during a recent telephone conversation with the NRC staff, we are
enclosing a copy of the fracture mechanics analysis that was performed to support
alternative repair methods for three lower-canopy seal welds on SQN Unit 1. This
information is provided in conjunction with TVA's referenced letter.

Please direct questions concerning this issue to D. V. Goodin at (423) 843-7734.

Sincerely,

R. H. Shell
R. H. Shell
Manager
SQN Site Licensing

Enclosure
cc: See page 2

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cc (Enclosure):

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Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
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ENCLOSURE

ANALYSES ASSOCIATED WITH THE WELD OVERLAY REPAIR

FOR THE SEQUOYAH NUCLEAR PLANT UNIT 1

CONTROL ROD DRIVE MECHANISM LOWER CANOPY SEAL WELDS