

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

August 7, 1980 AS: 42

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

SEQUOYAH NUCLEAR PLANT UNIT 2 - SPRAY HEADER ATTACHMENT LUG
REEVALUATION - NCR SQN SWP 8009 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. McFarland on July 9, 1980, in accordance with 10 CFR 50.55(e).
Enclosed is our final report.

If you have any questions concerning this matter, please get in
touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L M Mills
L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

SEQUOYAH NUCLEAR PLANT UNIT 2
SPRAY HEADER ATTACHMENT LUG REEVALUATION
10CFR50.55(e)
NCR NO. SQN SWP 8009
- FINAL REPORT

Description of Deficiency

The support lug attachments in the containment dome for the containment spray and residual heat removal system headers were not properly evaluated when the supports were reanalyzed for steel containment vessel dynamic movements during a design basis accident (DBA).

Safety Implications

It is imperative that the support lug attachments for the containment spray and residual heat removal system headers be properly evaluated during analysis to ensure seismic integrity of the support system. Safety system failure and interaction with other safety systems could have resulted if the lug attachments had come loose during a seismic event.

Corrective Action

TVA has recently completed reanalysis of the support lug attachments for the containment spray and residual heat removal system headers. The support lug attachments will perform their designed functions. TVA will ensure, in the future, that all support components making up a support assembly are considered when being evaluated.