

USNRC TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

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December 29, 1982

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

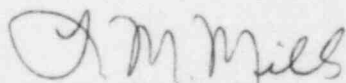
SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2 - OFFICE OF INSPECTION AND ENFORCEMENT  
BULLETIN 79-13 REVISION 2 - RII: JPO 50-327, 50-328 - SUPPLEMENTAL  
RESPONSE

In my January 31, 1980 letter to you, we agreed to perform the inspections required by item 2 of the bulletin during the first refueling outage for the respective units. A subsequent request for relief from the inspections was submitted by my September 15, 1982 letter to you. Enclosed are the results of the augmented inspection of the feedwater system piping and supports.

If you have any questions, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
L. M. Mills, Manager  
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure )  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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ENCLOSURE  
SEQUOYAH NUCLEAR PLANT  
RESULTS OF AUGMENTED INSPECTION OF FEEDWATER  
SYSTEM PIPING AND SUPPORTS REQUIRED BY  
NRC-OIE BULLETIN 79-13, REVISION 2

A radiographic examination was performed on the feedwater nozzle-to-pipe welds, the transition piece, and the transition piece-to-pipe welds and adjacent base metal equal to two-wall thicknesses. Also, a radiographic examination was performed on an area of base metal of the main feedwater line beginning at the centerline of the auxiliary feedwater to main feedwater weld and extending downstream one-pipe diameter. Evaluation of the radiographs was done in accordance with ASME Section III, Subsection NC, Article NC-5000, to 2-2T quality level in lieu of table NC-5111-1. A review of the radiographs revealed no indication of cracking.

The construction radiographs of the feedwater piping welds to the first support, excluding those listed above, were reviewed for compliance with the bulletin. The radiographs met the bulletin requirements (i.e., 2-2T quality level, weld quality and technique) except in some instances where the base metal coverage of two-wall thicknesses was not attained on both sides of the weld. Since the thermal and geometric conditions do not exist at these locations to support stratification and striping and the radiographs were evaluated to the 2-2T quality level, no additional radiography was performed on these welds.

Because of the limited access and the configuration of the feedwater line-to-containment penetration welds an ultrasonic examination was performed in lieu of radiography. The ultrasonic examination was performed in accordance with TVA procedure N-UT-18, Revision 2, which meets the requirements set forth by the ASME Boiler and Pressure Vessel Code, Section XI, 1977 Edition, Summer 1978 Addenda. The ultrasonic examination revealed no indication of cracking.

The radiographic and ultrasonic examination reports will be retained in permanent storage at the plant site.