

December 19, 2002

Mr. J. A. Scalice  
Chief Nuclear Officer and  
Executive Vice President  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: SEQUOYAH NUCLEAR PLANT UNIT 1 — STEAM GENERATOR  
COMPARTMENT ROOF MODIFICATION TOPICAL REPORT  
(TAC NO. MB5387)

Dear Mr. Scalice:

On March 28, 2002, the Tennessee Valley Authority (TVA, the licensee) submitted three topical reports to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. The topical reports provide the technical basis for the methodology and associated modifications to be applied during the Sequoyah Nuclear Plant (SQN) Unit 1 steam generator (SG) replacement project. The NRC staff held a public meeting on October 24, 2002, to discuss questions associated with all three topical reports for the SG replacement project. A request for additional information (RAI) was issued on December 4, 2002.

The NRC staff has reviewed your report Topical Report No. 24370-TR-C-003, Steam Generator Compartment Roof Modification, which proposes the use of through-bolted splice-plate connections to reconstruct the SG compartment roofs. Based on the information provided in the submittal and technical discussions with your staff during a public meeting on October 24, 2002 and in a conference call on December 17, 2002, the staff finds that the design approach as currently proposed by TVA, to reconstruct the SG compartment modification roof using through-bolted splice-plate connections, is not acceptable.

The staff's assessment of the technical concerns with Topical Report No. 24370-TR-C-003 will be forwarded by correspondence within 30 days. As discussed with Mr. Pedro Salas on December 18, the NRC has scheduled a public meeting on December 23, 2002, to discuss the technical reasons for the denial of the topical report and proposed alternatives.

If you have any questions, please feel free to call Ms. Eva Brown at (301) 415-2315 or Mr. Allen Howe at (301) 415-2024.

Sincerely,

*/RA/*

Ronald W. Hernan, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-327

cc: See next page

December 19, 2002

Mr. J. A. Scalice  
Chief Nuclear Officer and  
Executive Vice President  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: SEQUOYAH NUCLEAR PLANT UNIT 1 — STEAM GENERATOR  
COMPARTMENT ROOF MODIFICATION TOPICAL REPORT  
(TAC NO. MB5387)

Dear Mr. Scalice:

On March 28, 2002, the Tennessee Valley Authority (TVA, the licensee) submitted three topical reports to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. The topical reports provide the technical basis for the methodology and associated modifications to be applied during the Sequoyah Nuclear Plant (SQN) Unit 1 steam generator (SG) replacement project. The NRC staff held a public meeting on October 24, 2002, to discuss questions associated with all three topical reports for the SG replacement project. A request for additional information (RAI) was issued on December 4, 2002.

The NRC staff has reviewed your report Topical Report No. 24370-TR-C-003, Steam Generator Compartment Roof Modification, which proposes the use of through-bolted splice-plate connections to reconstruct the SG compartment roofs. Based on the information provided in the submittal and technical discussions with your staff during a public meeting on October 24, 2002 and in a conference call on December 17, 2002, the staff finds that the design approach as currently proposed by TVA, to reconstruct the SG compartment modification roof using through-bolted splice-plate connections, is not acceptable.

The staff's assessment of the technical concerns with Topical Report No. 24370-TR-C-003 will be forwarded by correspondence within 30 days. As discussed with Mr. Pedro Salas on December 18, the NRC has scheduled a public meeting on December 23, 2002, to discuss the technical reasons for the denial of the topical report and proposed alternatives.

If you have any questions, please feel free to call Ms. Eva Brown at (301) 415-2315 or Mr. Allen Howe at (301) 415-2024.

Sincerely,  
*/RA/*

Ronald W. Hernan, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-327

cc: See next page

Distribution: JZwolinski/LMarsh

PUBLIC PDII-2 R/F EBrown RAnand HBerkow RHernan (Hard copy)  
AHowe JMa SCahill, RII RTellson, RII BClayton (Hard Copy)  
ADAMS Accession No. ML023530628

OFFICE	PDII-2/PM		PDII-2/PM		PDII-2/PM		PDII-2/LA		PDII-2/SC	
NAME	EBrown		RAnand		RHernan		BClayton		AHowe	
DATE	12/ 19 /02		12/ 19/ 02		12/ 19 /02		12/ 19/02		12/ 19/02	

OFFICIAL RECORD COPY

Mr. J. A. Scalice  
Tennessee Valley Authority

**SEQUOYAH NUCLEAR PLANT**

cc:

Mr. Karl W. Singer, Senior Vice President  
Nuclear Operations  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. Pedro Salas, Manager  
Licensing and Industry Affairs  
Sequoyah Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Soddy Daisy, TN 37379

Mr. James E. Maddox, Acting Vice President  
Engineering & Technical Services  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. D. L. Koehl, Plant Manager  
Sequoyah Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Soddy Daisy, TN 37379

Mr. Richard T. Purcell  
Site Vice President  
Sequoyah Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Soddy Daisy, TN 37379

Senior Resident Inspector  
Sequoyah Nuclear Plant  
U.S. Nuclear Regulatory Commission  
2600 Igou Ferry Road  
Soddy Daisy, TN 37379

General Counsel  
Tennessee Valley Authority  
ET 11A  
400 West Summit Hill Drive  
Knoxville, TN 37902

Mr. Lawrence E. Nanney, Director  
Division of Radiological Health  
Dept. of Environment & Conservation  
Third Floor, L and C Annex  
401 Church Street  
Nashville, TN 37243-1532

Mr. Robert J. Adney, General Manager  
Nuclear Assurance  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

County Executive  
Hamilton County Courthouse  
Chattanooga, TN 37402-2801

Mr. Mark J. Burzynski, Manager  
Nuclear Licensing  
Tennessee Valley Authority  
4X Blue Ridge  
1101 Market Street  
Chattanooga, TN 37402-2801

Ms. Ann P. Harris  
341 Swing Loop Road  
Rockwood, Tennessee 37854