



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

May 20, 1999

Sequoyah Nuclear Plant				
Site Licensing and Industry AFFAIRS				
MAY 27 '99				
	Initials	Note	Action	Reply
PS				
JDS				
XCs to:				
NMS				

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: ISSUANCE OF CORRECTED TECHNICAL SPECIFICATION PAGE FOR THE SEQUOYAH NUCLEAR PLANT, UNIT 2 (TAC NO. 85973) (TS 92-08)**

Dear Mr. Scalice:

During reactor startup activities following the Sequoyah Unit 2 Cycle 9 Refueling Outage, the Sequoyah staff noted an error in the Technical Specifications (TS) for Unit 2. Specifically, it was noted that, when the U.S. Nuclear Regulatory Commission (NRC) issued Amendment No. 163 to Operating License No. DPR-79 on November 26, 1993, Surveillance Requirement 4.1.1.1.1.d was inadvertently omitted from Page 3/4 1-1 of the Unit 2 TS. This omission was clearly a typographical error on the part of the NRC staff and the contractor that retyped the page in question. Deletion of this requirement was never requested by the Tennessee Valley Authority (TVA) and was not discussed in either the staff's determination of No Significant Hazards Consideration published in the Federal Register or the Safety Evaluation supporting the subject amendment.

To rectify this error, the NRC staff is hereby enclosing page 3/4 1-1 of the Unit 2 TS as it should have appeared in Amendment No. 163. Please remove the existing page 3/4 1-1 in each copy of the TS and replace it with the enclosed corrected page.

We commend your Sequoyah Operations staff for identifying this discrepancy and your Licensing staff for promptly taking action with the NRC to correct the error. We also commend Sequoyah's decision "to do the right thing" by performing the subject surveillance test, even though it was not specifically required in the Unit 2 TS (it is correctly specified in the Unit 1 TS).

Sincerely,

*Ronald W. Hernan*

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

Docket No. 50-328

Enclosure: Corrected TS Page 3/4 1-1

cc w/enclosures: See next page

### 3/4.1 REACTIVITY CONTROL SYSTEMS

#### 3/4.1.1 BORATION CONTROL

SHUTDOWN MARGIN -  $T_{avg} \geq 200^{\circ}F$

#### LIMITING CONDITION FOR OPERATION

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3.1.1.1 The SHUTDOWN MARGIN shall be greater than or equal to 1.6% delta k/k for 4 loop operation.

APPLICABILITY: MODES 1, 2\*, 3, and 4.

#### ACTION:

With the SHUTDOWN MARGIN less than 1.6% delta k/k, immediately initiate and continue boration at greater than or equal to 35 gpm of a solution containing greater than or equal to 6120 ppm boron or equivalent until the required SHUTDOWN MARGIN is restored.

R163

#### SURVEILLANCE REQUIREMENTS

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4.1.1.1.1 The SHUTDOWN MARGIN shall be determined to be greater than or equal to 1.6% delta k/k:

- a. Within one hour after detection of an inoperable control rod(s) and at least once per 12 hours thereafter while the rod(s) is inoperable. If the inoperable control rod is immovable or untrippable, the above required SHUTDOWN MARGIN shall be verified acceptable with an increased allowance for the withdrawn worth of the immovable or untrippable control rod(s).
- b. When in MODE 1 or MODE 2 with  $K_{eff}$  greater than or equal to 1.0, at least once per 12 hours by verifying that control bank withdrawal is within the limits of Specification 3.1.3.6.
- c. When in MODE 2, with  $K_{eff}$  less than 1.0, within 4 hours prior to achieving reactor criticality by verifying that the predicted critical control rod position is within the limits of Specification 3.1.3.6.
- d. Prior to initial operation above 5% RATED THERMAL POWER after each fuel loading, by consideration of the factors of e below, with the control banks at the maximum insertion limit of Specification 3.1.3.6.

\*See Special Test Exception 3.10.1

### 3/4.1 REACTIVITY CONTROL SYSTEMS

#### 3/4.1.1 BORATION CONTROL

SHUTDOWN MARGIN -  $T_{avg} \geq 200^{\circ}\text{F}$

#### LIMITING CONDITION FOR OPERATION

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3.1.1.1 The SHUTDOWN MARGIN shall be greater than or equal to 1.6% delta k/k for 4 loop operation.

APPLICABILITY: MODES 1, 2\*, 3, and 4.

ACTION:

With the SHUTDOWN MARGIN less than 1.6% delta k/k, immediately initiate and continue boration at greater than or equal to 35 gpm of a solution containing greater than or equal to 6120 ppm boron or equivalent until the required SHUTDOWN MARGIN is restored.

R163

#### SURVEILLANCE REQUIREMENTS

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4.1.1.1.1 The SHUTDOWN MARGIN shall be determined to be greater than or equal to 1.6% delta k/k:

- a. Within one hour after detection of an inoperable control rod(s) and at least once per 12 hours thereafter while the rod(s) is inoperable. If the inoperable control rod is immovable or untrippable, the above required SHUTDOWN MARGIN shall be verified acceptable with an increased allowance for the withdrawn worth of the immovable or untrippable control rod(s).
- b. When in MODE 1 or MODE 2 with  $K_{eff}$  greater than or equal to 1.0, at least once per 12 hours by verifying that control bank withdrawal is within the limits of Specification 3.1.3.6.
- c. When in MODE 2, with  $K_{eff}$  less than 1.0, within 4 hours prior to achieving reactor criticality by verifying that the predicted critical control rod position is within the limits of Specification 3.1.3.6.
- d. Prior to initial operation above 5% RATED THERMAL POWER after each fuel loading, by consideration of the factors of e below, with the control banks at the maximum insertion limit of Specification 3.1.3.6.

\*See Special Test Exception 3.10.1

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## SEQUOYAH NUCLEAR PLANT

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