### TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401 5N 157B Lookout Place

## FEB 26 1988

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

Gentlemen:

In the Matter of Tennessee Valley Authority Docket Nos. 50-327 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - ADDITIONAL INFORMATION FOR SQN UNIT 2 HYDROGEN ANALYZER SAMPLING VALVE RELIEF REQUEST

During a January 27, 1988 telephone conference call between NRC and SQN Licensing Staff, NRC requested additional information with regard to a relief request for six solenoid-activated hydrogen analyzer sampling valves contained in SQN's In-Service Test (IST) Program. In lieu of a visual observation requirement, SQN, in a January 21, 1988 submittal, requested relief to perform an alternate pressure test to verify proper valve operation. To support NRC review and concurrence with this relief request, SQN is providing the requested information that details the proposed alternate pressure test methods in attachment A to enclosure 1. The commitment for incorporating the alternate pressure test method into SQN's Surveillance Instruction (SI) 166.4 is listed in enclosure 2.

TVA's January 1988 submittal contained relief request PV-15 that included two hydrogen analyzer sampling valves, FSV-43-200A and FSV-43-210A. By design, these two valves will not be provided with lights for remote indication and are therefore being removed from the previously submitted PV-15 relief request. Attachment B to enclosure 1 contains the newly revised PV-15 along with the newly revised Appendix C to SQN's valve program (reference SQN's Final Safety Analysis Report, section 6.8).

Fecause NRC approval of this relief request is required for unit 2 restart (before mode 2), TVA requests that this additional information be expediently reviewed and a Safety Evaluation Report (SER) be issued to eddress the subject relief request. If an SER cannot be completed to support plant restart, a written response documenting NRC review and concurrence with SQN's relief request would be beneficial. Upon receipt of either an SER or NRC concurrence, SQN will change its valve program to be consistent with NRC's approved position.

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If you have any questions concerning this issue, please telephone M. R. Harding at (615) 870-6422.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. Gridley, Director Nuclear Licensing and Regulatory Affairs

cc: (Enclosures):

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Sequoyah Resident Inspector Sequoyah Nuclear Plant 2600 Igou Ferry Road Soddy Daisy, Tennessee 37379

### ENCLOSURE 1

### Attachment A

# ALTERNATE TESTING FOR UNIT 2 HYDROGEN ANALYZER SAMPLING VALVES FSV-43-201, -202, -207, -208

In lieu of a visual observation requirement, SQN requested relief to perform an alternate pressure test to verify proper operation. The following steps provide a simplified description of SQN's alternate test methods. This alternate test method will be incorporated into SQN's Surveillance Instruction (SI) 166.4 for testing the subject valves during unit 2 restart (before mode 2).

(Refer to the Hydrogen Analyzer System Schematic)

### TRAIN B VALVES

### 1. FSV-43-208

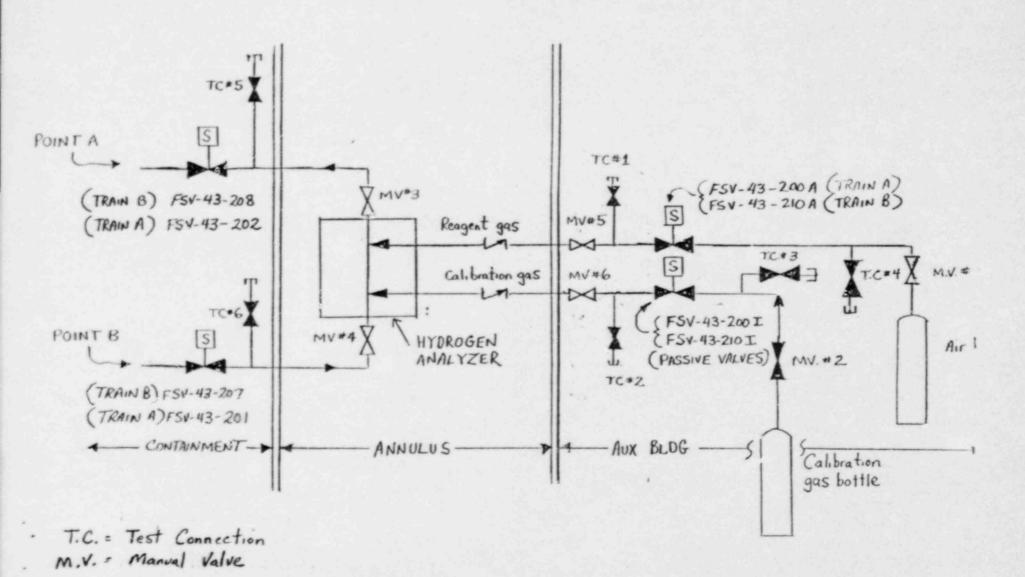
- a. Attach test rig with air supply to point A.
- b. Close manual valve #3.
- c. Open Test Connection (TC) #5.
- d. Pressurize test rig to 13 PSIG.
- e. Open FSV-43-208 and verify a pressure drop.
- f. Close FSV-43-208 and verify test rig pressure returns to 13 PSIG.
- g. Verify test rig pressure remains steady at 13 PSIG.
- h. Remove test rig and return valves to normal position.

### 2. FSV-43-207

- a. Attach test rig with air supply to point B.
- b. Close manual valve #4.
- c. Open TC #6.
- d. Pressurize test rig to 13 PSIG.
- e. Open FSV-43-207 and verify a pressure drop.
- f. Close FSV-43-207 and verify test rig pressure returns to 13 PSIG.
- g. Verify test rig pressure remains steady at 13 PSIG.
- h. Remove test rig and return valves to normal position.

The train A valves will be tested in a similar fachion as the train B va'ves.

Unit 2
HYDROGEN ANALYZER SYSTEM
SCHEMATIC



ENCLOSURE 1

Attachment B

Revised Relief Request PV-15 with Revised
Appendix C to SQN's In-Service Valve Test
Program (SQN Final Safety Analysis
Report, Section 6.8

PV-15

System:

Postsocident Sampling

Valve:

FSV-43-250, FSV-43-251, FSV-43-287, FSV-43-288, FSV-43-307, FSV-43-309, FSV-43-310, FSV-43-317, FSV-43-318, FSV-43-319, FSV-43-325, FSV-43-341 FSV-43-201 FSV-43-202, FSV-43-207, FSV-45-208

Class:

Category: Function: and containment atmosphere

To permit reactor coolant system/sampling in a postaccident condition.

Impractical

Requirement:

Observe valve movement every two years to verify remote valve indicators accurately reflect valve

operation.

A - Active

Basis for

Relief:

These solenoid actuated valves are totally enclosed, and valve position cannot be determined visually.

Alternate Testing:

Pressure indicators will be used to independently verify valve operation.

Frequency for Alt Testing:

Every 2 years.

Added by Amendment 3

to Sans FSAR that 6.86-18A

# Sequoyah Nuclear Plant Inservice Valve Testing Program

SYSTEM: (43) SAMPLING

DRAHING NO: 471V(25-20 (64)

PLYANKS					-						
ALTERNATIVE TESTING											
723128 7230928											
тестив	QF-1,5LT	SLT	QT-1, SLT	SLT							
NOITISOS NOITISOS	U		0	2				1			
80744774 2577	So	35	Sc.	200							
35XT TYPE	6.11	6.11	6.7	GA							
3212	3/8	8/2	3/2	3/2						1	1
SALAV YACOZIAO	1.4.1	1. Pr	A ner	A-Cos							-
DRIMARO COORDINATES											-
242A 224.10	2	2	7	2					1		
VALVE	FSV. 43-200A	CSV-43. 200 I	FSV- 43-210A	FSV-43-210I							

### ENCLOSURE 2

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### Commitment

 SQN's alternate pressure test method, as outlined in enclosure 1, will be incorporated into SQN's SI-166.4, "Remote Valve Position Indication Verification." This action will be completed before unit 2 restart (mode 2).