

TENNESSEE VALLEY AUTHORITY
Sequoyah Nuclear Plant
Post Office Box 2000
Soddy Daisy, Tennessee 37379

December 19, 1984

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 2 - DOCKET NO.
50-328 - FACILITY OPERATING LICENSE DPR-79 - SPECIAL REPORT 84-08 -
APPENDIX R

The enclosed special report provides details concerning failure of
the sprinkler system to comply with Unit 2 License Condition 2.13(a)
of the Unit 2 Facility Operating License, initially reported on
December 5, 1984. This event is reported in accordance with License
Condition 2H.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


P. R. Wallace
Plant Manager

Enclosure

cc (Enclosure):

James P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

Records Center
Institute of Nuclear Power Operations
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

NRC Inspector, NUC PR, Sequoyah

8412310466 841219
PDR ADOCK 05000328
S PDR

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SEQUOYAH NUCLEAR PLANT
14 DAY FOLLOWUP REPORT
SPECIAL REPORT 84-08

Sequoyah Nuclear Plant has been performing a sprinkler system walkdown during the Appendix R reverification program to ensure full compliance with License Condition 2.13.(a) of the Unit 2 Facility Operating License. These walkdowns have identified sprinklers in the Auxiliary Building that do not comply with the literal requirements of NFPA Standard No. 13, as committed to in the Fire Protection Program submittal and the SER Supplement I submittal. All sprinklers identified have been evaluated as being operable, and will function to prevent both redundant divisions of safe shutdown equipment from being damaged. The locations of these sprinkler heads have been summarized in the following table by elevation. The table also categorizes the sprinklers into different areas of corrective actions required to bring the sprinkler system into compliance with NFPA Standard No. 13.

Elevation (Aux Bldg) (Note 4)	Relocate (Note 1)	Plug (Note 2)	Add (Note 3)
669	53	90	25
690	78	25	31
714	123	0	116
734	111	185	27
749	34	20	18
759	<u>19</u>	<u>29</u>	<u>0</u>
	418	349	217

(Note 1) - These sprinkler heads must be relocated to bring system into full compliance with NFPA-13.

(Note 2) - These sprinkler heads have been evaluated as not being required for NFPA-13, and will be plugged or removed.

(Note 3) - These sprinkler heads must be installed to bring system into compliance with NFPA-13, and address intervening combustibles. The majority of these must be added, due to obstructions between the ceiling mounted sprinkler heads and floor level equipment.

(Note 4) - The 24 hour telecopy sent to NRC on December 6, 1984, only mentioned Auxiliary Building Elevation 714. This was incorrect, in that the condition had been reported to NRC by telephone on the previous day for the entire Auxiliary Building.

Corrective Actions

1. The sprinkler walkdown will continue and will identify modifications necessary to resolve specific problems with NFPA-13.
2. More information on sprinkler noncompliance, and a schedule for modifications to correct these conditions will be forthcoming per Confirmation of Action letter from J. P. O'Reilly to H. G. Parris dated August 10, 1984.

3. The fire watch established per Appendix R commitments will be maintained in related areas until all sprinkler system problems are resolved.
4. TVA has addressed Sequoyah's position on NFPA-13 requirements in a letter from J. Domer to E. Adensam dated December 18, 1984.