



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JAN 29 1986

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 43 TO FACILITY OPERATING LICENSE DPR-77
AND AMENDMENT NO. 35 TO FACILITY OPERATING LICENSE DPR-79
TENNESSEE VALLEY AUTHORITY

INTRODUCTION

By letter dated May 6, 1985, the Tennessee Valley Authority (the licensee) requested an amendment to the operating license to change the Technical Specifications of Sequoyah Nuclear Plant, Units 1 and 2. Specifically, the change for each unit requires the acoustic monitors to be one of the two required channels of pressurizer power operated relief valve (PORV) and safety valve (SV) position indicators in accident monitoring tables and bases.

EVALUATION

The licensee proposes to add a footnote to Table 3.3-10 stating that one channel of the required number of channels for the PORV and SV position indicators shall be the acoustic monitors. The licensee has further proposed to add to the Bases of Section 3/4.3.3.7 a discussion of the separate methods of determining PORV and SV position.

These separate methods include the acoustic flow monitors mounted on each safety valve line (one per valve). Failure of a valve to reclose would be detected by a flow indicating module in the main control room. When any valve is not fully closed an alarm in the main control room will actuate. The second method consists of temperature sensors downstream of each safety valve (one per valve) with temperature indication and alarm provided in the main control room. The third method of detecting PORV and SV position is provided through main control room alarms for pressure relief tank temperature, pressure and level. The last method is through pressurizer pressure indication and alarm in the main control room.

These changes are proposed to address the staff concern identified in Inspection Report 50-327/83-26 and 50-328/83-26 for Sequoyah, Units 1 and 2, regarding the acoustic monitors as PORV and SV position indicators. The proposed changes ensure that the acoustic flow monitors will be one of the two required position indication channels for the PORVs and SVs. The proposed change results in a more restrictive limiting condition for operation in that the acoustic flow monitors are required to be one of the means of position indication. The staff also concludes that proposed changes resolve the concerns in the inspection reports and finds the revisions acceptable for incorporation into the Sequoyah, Units 1 and 2, Technical Specifications.

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ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released off-site and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration, and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 50.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the Federal Register on July 31, 1985 (50 FR 31072) and consulted with the state of Tennessee. No public comments were received, and the state of Tennessee did not have any comments.

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: F. Burrows, Electrical, Instrumentation and Control
Systems Branch, PWR-A
M. Miller, PWR#4, PWR-1
C. Stahle, PWR#4, PWR-A

Dated: January 29, 1986

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AMENDMENT NO.43 TO FACILITY OPERATING LICENSE NO. DPR-77 - Sequoyah Nuclear Plant
AMENDMENT NO.35 TO FACILITY OPERATING LICENSE NO. DPR-79 - Sequoyah Nuclear Plant

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~~Docket File 50-327/328~~

NRC PDR

Local PDR

PRC System

NSIC

PWR#4 Rdg

MDuncan

CStahle

MMiller

OELD

RDiggs, ADM

JPartlow

BGrimes

LHarmon

MVirgilio, SSPB

TBarnhart (8)

FBurrows