

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 21 TO FACILITY OPERATING LICENSE DPR-77
AND AMENDMENT NO. 11 TO FACILITY OPERATING LICENSE DPR-79
TENNESSEE VALLEY AUTHORITY

INTRODUCTION

A TVA letter of December 23, 1982, requested a change in surveillance requests for the Emergency Gas Treatment System (EGTS) on the verification of the in-leakage within the annulus of the containment (T.S. 4.6.1.8.d.5). The present limit of 125 cfm in-leakage can not be met in spite of extensive repair and testing. The in-leakage rate is currently at 160 cfm for Unit 2. Unit 1 will be tested at a later date.

Also, an additional letter of December 23, 1982, requested relief from the surveillance requirements related to the diesel generators (T.S. 4.8.1.1.d.11).

EVALUATION

TVA has stated that the present Sequoyah Technical Specifications are more restrictive than the current Standard Technical Specifications. The requirements for limits on in-leakage rates are not necessary. In its place, the standard specifications require that a negative pressure be produced in the annulus within a certain period of time. TVA has proposed a negative pressure of 0.5 inch water gauge to be reached within one minute. The staff agrees that the current Technical Specifications are more conservative than necessary to be consistent with the staff's SER (NUREG-0011) dated March 1979. The proposed Technical Specifications are taken from our current standard Technical Specifications and are sufficiently conservative. The proposed change is acceptable to the staff.

TVA has requested some relief from the surveillance requirements on diesel generators. The licensee, in justification of their design for interim operation, has documented that the offsite power system at Sequoyah has a high reliability such that an event, simultaneous accident with loss of offsite power, is unlikely. If the event should, however, occur, the applicant has further documented that only one of four diesels will be in test mode and subject to failure with loss of offsite power. The remaining three diesels have the capacity and capability to supply power as needed to meet the design bases analyzed for the Sequoyah plant. Based on this justification, the staff concludes that the Sequoyah design is acceptable for interim operation. Thus, compliance with the referenced Technical Specifications is waived until the next refueling outage at the Sequoyah facility.

OFFICE

SU

8301060026 821223
PDR ADOCK 05000327
P PDR

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: December 23, 1982

Principal Contributors: Jim Pulsipher, Containment Systems Branch, DSI
John Knox, Power Systems Branch, DSI
Larry Bell, Accident Evaluation Branch, DSI
Carl Stahle, Licensing Branch No. 4, DL

OFFICE							
SURNAME							
DATE							