



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

SAFETY EVALUATION BY THE OFFICE OF SPECIAL PROJECTS

SUPPORTING AMENDMENT NO. 139 TO FACILITY OPERATING LICENSE NO. DPR-33

AMENDMENT NO. 135 TO FACILITY OPERATING LICENSE NO. DPR-52

AMENDMENT NO. 110 TO FACILITY OPERATING LICENSE NO. DPR-68

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2 AND 3

DOCKETS NOS. 50-259, 50-260 AND 50-296

1.0 INTRODUCTION

The proposed amendments would correct a minor deficiency in technical specification 6.8.3.1, page 6.0-21, concerning high radiation areas. It would change the upper limit of one set of requirements from "less than 1000 mrem/hr" to "less than or equal to 1000 mrem/hr" to clarify any time the radiation intensity of exactly 1000 mrem/hr is achieved in any area of the plant.

2.0 EVALUATION

The current technical specification 6.8.3.1 contains certain requirements for high radiation areas in which the intensity of radiation is greater than 100 mrem/hr but less than 1000 mrem/hr. The current technical specification 6.8.3.2 contains additional requirements for high radiation areas greater than 1000 mrem/hr. This set of limits is deficient in that the possibility of an area with a radiation intensity of exactly 1000 mrem/hr is not covered.

The proposed change would clarify and complete those requirements by simply including an area of exactly 1000 mrem/hr in technical specification 6.8.3.1. Since this change would alleviate a deficiency and result only in a minor change in technical specification requirements, the margin of nuclear safety will not be reduced. Therefore, the staff finds the proposed change to the TS acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendments involve a change to a requirement with respect to installation or 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 offsite, 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 51.22(b), no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of these amendments.

4.0 CONCLUSION

The staff has 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 the amendments will not be inimical to the common defense and security nor to the health and safety of the public.

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Dated: December 31, 1987