



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 214 TO FACILITY OPERATING LICENSE NO. DPR-33

AMENDMENT NO. 230 TO FACILITY OPERATING LICENSE NO. DPR-52

AMENDMENT NO. 187 TO FACILITY OPERATING LICENSE NO. DPR-68

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3

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

1.0 INTRODUCTION

By letter dated October 7, 1993, the Tennessee Valley Authority (the licensee) requested amendments of the technical specifications (TS) for the Browns Ferry Nuclear Plant (BFN) Units 1, 2, and 3. The proposed changes include the addition of the high range primary containment radiation monitors and recorders to the TS for Units 1 and 3. Also, the changes add the wide range gaseous effluent radiation monitor and recorder to the TS of Units 1 and 3. The wide range gaseous effluent radiation monitor and recorder was added to Unit 2 during the restart effort and will monitor potential releases from any of the three units. The proposed amendment is in accordance with NUREG 0737, Item II.F.1 and Item II.F.3.

2.0 EVALUATION

TVA proposed an amendment for Browns Ferry Nuclear Plant Units 1 and 3 to revise TS tables 3.2.F, 4.2.F and TS section 6.9.2 by adding the high range primary containment radiation monitors and recorders in accordance with NUREG 0737, Item II.F.3. The proposed amendment also includes an administrative change to the Unit 2 TS clarifying the instrument loop that the high range primary containment radiation monitor and recorder is part of. The amendment for Units 1 and 3 is similar to the TS changes approved as Amendments 125 (BFN-TS-199), dated August 19, 1986 and 171 (BFN-TS-266), dated August 22, 1989.

2.1 BFN Units 1 and 3 - Revision to TS Table 3.2.F and 4.2.F

The change includes the addition of the high range primary containment monitor and recorder as well as the wide range gaseous effluent radiation monitor and recorder to the BFN TS. These additions are consistent with the guidance of TMI Action Plan Item II.F.1.3. Generic letter 83-36 provided guidance for limiting conditions for operation and surveillance requirements for these monitors. The licensee proposed TSs that are consistent with the guidance provided in Generic Letter 83-36. Therefore, the staff concludes that the proposed TSs for Item II.1.3 are acceptable.

ENCLOSURE 4

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## 2.2 BFN Units 1 and 3 - Addition of Notes to Table 3.2.F

The proposed changes include guidance on issuance of special reports when one of the two instruments is inoperable for more than seven days pursuant to TS 6.9.2. The notes also include requirements on operability when the plant is in reactor power operation, startup condition, hot standby condition or hot shutdown condition. These notes provide for consistency between TS Table 3.2.F and the notes to Table 3.2.F. These corrections are administrative and acceptable.

## 2.3 BFN Units 1 and 3 - Addition of Note to Table 4.2.F

These notes provide for consistency between TS Table 4.2.F and the notes to Table 4.2.F. The note references calibration procedures that are consistent with NUREG 0737, therefore the addition is acceptable.

## 2.4 BFN Unit 2 Revision to TS Table 3.2.F and 4.2.F

The change clarifies that the high range primary containment radiation monitors and recorders are part of the instrument loop. This is an administrative change to include the correct instrument numbers and instrument types, is therefore acceptable.

## 2.5 BFN Units 1 and 3 - Revision to TS 6.9.2, "Special Reports"

Revision will include the high range primary containment monitor and recorder, and the wide range gaseous effluent radiation monitor and recorder as instrumentation required to be reported if found inoperable within or after a specified length of time. The change is administrative in nature and is consistent with NUREG 0737. Therefore, the staff finds the change acceptable.

## 2.6 BFN Unit 2 - Revision to TS 6.9.2.9

The new specification includes the high range primary containment recorders to the existing text. The change is administrative and therefore the staff finds it acceptable.

## 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Alabama State official was notified of the proposed issuance of the amendment. The State official had no comments.

## 4.0 ENVIRONMENTAL CONSIDERATION

The amendments change requirements with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes the surveillance requirements. The NRC 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



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occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (58 FR 67863). 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 or environmental assessment need be prepared in connection with the issuance of the amendments.

#### 5.0 CONCLUSION

The Commission has concluded, based upon 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 (3) issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: December 21, 1994



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BROWNS FERRY NUCLEAR PLANT

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