

Docket Nos.: 50-327  
and 50-328

February 12, 1987

Mr. S.A. White  
Manager of Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

Subject: Issuance of Amendment No. 53 to Facility Operating License  
No. DPR-77 and Amendment No. 45 to Facility Operating  
License No. DPR-79 - Sequoyah Nuclear Plant, Units 1 and 2

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 53 to Facility Operating License No. DPR-77 and Amendment No. 45 to Facility Operating License No. DPR-79. These amendments are in response to your request dated March 4, 1983, as supplemented September 30, 1986.

The amendments change the license conditions related to implementation of Regulatory Guide 1.97, Revision 2. The amendments are effective as of their date of issuance. This letter should not be construed as an authorization to commence operations prior to the Tennessee Valley Authority appropriately addressing the concerns identified in the 50.54(f) letter dated September 17, 1985.

A copy of the related safety evaluation supporting Amendment No. 53 to Facility Operating License DPR-77 and Amendment No. 45 to Facility Operating License DPR-79 is enclosed.

Notice of issuance will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

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Joseph J. Holonich, Project Manager  
PWR Project Directorate #4  
Division of PWR Licensing-A

Enclosures:

1. Amendment No. 53 to DPR-77
2. Amendment No. 45 to DPR-79
3. Safety Evaluation

cc w/enclosures: See next page

\*SEE PREVIOUS CONCURRENCE

\*PWR#4/DPWR-A  
MDuncan/mac  
10/23/86

\*PWR#4/DPWR-A  
JHolonich  
10/23/86

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CStahle  
10/23/86

\*PWR#4/DPWR-A  
BJYoungblood  
10/23/86

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Mr. C. C. Mason  
Tennessee Valley Authority

Sequoyah Nuclear Plant

cc:  
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Resident Inspector/Sequoyah NPS  
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Tennessee Valley Authority  
Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy Daisy, Tennessee 37379



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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-327

SEQUOYAH NUCLEAR PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 53  
License No. DPR-77

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Sequoyah Nuclear Plant, Unit 1 (the facility) Facility Operating License No. DPR-77 filed by the Tennessee Valley Authority (licensee), dated March 4, 1983, and supplemented September 30, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the license, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, Facility Operating License No. DPR-77 is changed as follows:
  - A. Change paragraph 2.C.(24) to read as follows:

(24) Compliance with Regulatory Guide 1.97

TVA shall implement modifications necessary to comply with Revision 2 of Regulatory Guide 1.97, "Instrumentation for Light Water Cooled Nuclear Power Plants to Assess Plant Con-

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ditions During and Following an Accident," dated December 1980 by startup from the Unit 2 Cycle 4 refueling outage.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

151

B. J. Youngblood, Director  
PWR Project Directorate #4  
Division of PWR Licensing-A

Date of Issuance: February 12, 1987

PWR#4/DPWR-A  
MDuncan/mac  
10/23/86

PWR#4/DPWR-A  
JHornich  
10/13/86

PWR#4/DPWR-A  
CStahle  
10/17/86

OGC/BETH  
STurle  
12/16/86

PWR#4/DPWR-A  
BYoungblood  
10/ /86

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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-328

SEQUOYAH NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 45  
License No. DPR-79

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Sequoyah Nuclear Plant, Unit 2 (the facility) Facility Operating License No. DPR-79 filed by the Tennessee Valley Authority (licensee), dated March 4, 1983, and supplemented September 30, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the license, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, Facility Operating License No. DPR-79 is changed as follows:
  - A. Change paragraph 2.C.(14) to read as follows:

(14) Compliance with Regulatory Guide 1.97

TVA shall implement modifications necessary to comply with Revision 2 of Regulatory Guide 1.97, "Instrumentation for Light Water Cooled Nuclear Power Plants to Assess Plant Con-

ditions During and Following an Accident," dated December 1980 by startup from the Unit 2 Cycle 4 refueling outage.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

151

B. J. Youngblood, Director  
PWR Project Directorate #4  
Division of PWR Licensing-A

Date of Issuance: February 12, 1987

PWR#4/DPWR-A  
MBunck/mac  
10/23/86

~~PWR#4/DPWR-A~~  
JHolmich  
10/28/86

PWR#4/DPWR-A  
CStanley  
10/27/86

OGC/BETH  
Stark  
10/16/86

~~PWR#4/DPWR-A~~  
BJYoungblood  
10/ /86

2/12/87



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 53 TO FACILITY OPERATING LICENSE DPR-77  
AND AMENDMENT NO. 45 TO FACILITY OPERATING LICENSE DPR-79  
TENNESSEE VALLEY AUTHORITY

INTRODUCTION

By letter dated September 30, 1986, the Tennessee Valley Authority (TVA) requested that License Condition 2.C.(24) for Unit 1 and 2.C.(14) for Unit 2 be changed. The subject license conditions cover the implementation of Regulatory Guide 1.97. The proposed changes are being requested as part of the overall integrated approach to implementation of NUREG-0737, "Clarification of TMI Action Plan Requirements." This approach was contained in Supplement 1 to NUREG-0737.

EVALUATION

The staff has reviewed the proposed implementation schedule contained in the requested license amendments and has found it acceptable. The bases for this acceptance are:

1. Regulatory Guide (RG) 1.97 identifies instrumentation which is used to monitor post accident conditions. It is not intended to prevent any accidents; therefore, delaying its implementation will not increase the chances of an accident occurring and
2. The majority of the instrumentation identified in RG 1.97 is already installed as part of the normal instrumentation.

ENVIRONMENTAL CONSIDERATION

These amendments involve changes to the installation or use of the facilities' components 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 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 October 22, 1986 (51 FR 37521) 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: Joe Holonich, PWR#4, DPWR-A

Dated: February 12, 1987

February 12, 1987

AMENDMENT NO.53 TO FACILITY OPERATING LICENSE NO. DPR-77 - Sequoyah Nuclear Plant  
Unit 1  
AMENDMENT NO.45 TO FACILITY OPERATING LICENSE NO. DPR-79 - Sequoyah Nuclear Plant  
Unit 2

DISTRIBUTION w/ enclosures:

Docket No. 50-327/328

NRC PDR

Local PDR

NSIC

PRC System

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