



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

Docket Nos. 50-259
50-260
50-296

December 2, 1981

LICENSE AUTHORITY FILE COPY
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Posted
Amdt. 75
to DPR-52

Mr. Hugh G. Parris
Manager of Power
Tennessee Valley Authority
500A Chestnut Street, Tower II
Chattanooga, Tennessee 37401

Dear Mr. Parris:

The Commission has issued the enclosed Amendment Nos. 79, 75 and 48 to Facility License Nos. DPR-33, DPR-52, and DPR-68 for the Browns Ferry Nuclear Plant, Unit Nos. 1, 2, and 3. These amendments consist of changes to the Technical Specifications in response to your request of May 15, 1981 (BFNP TS 163), as supplemented by your letter of July 13, 1981.

These amendments revise the administrative controls section of the Technical Specifications to reflect changes in the TVA and Browns Ferry Nuclear Plant organizations.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Richard V. Clark
Richard V. Clark, Project Manager
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. 79 to DPR-33
2. Amendment No. 75 to DPR-52
3. Amendment No. 48 to DPR-68
4. Safety Evaluation
5. Notice

cc: w/enclosures
See next page

Mr. Hugh G. Parris

cc:

H. S. Sanger, Jr., Esquire
General Counsel
Tennessee Valley Authority
400 Commerce Avenue
E 11B 33C
Knoxville, Tennessee 37902

Mr. Ron Rogers
Tennessee Valley Authority
400 Chestnut Street, Tower II
Chattanooga, Tennessee 37401

Mr. Charles R. Christopher
Chairman, Limestone County Commission
P. O. Box 188
Athens, Alabama 35611

Ira L. Myers, M.D.
State Health Officer
State Department of Public Health
State Office Building
Montgomery, Alabama 36104

Mr. H. N. Culver
249A HBD
400 Commerce Avenue
Tennessee Valley Authority
Knoxville, Tennessee 37902

Athens Public Library
South and Forrest
Athens, Alabama 35611

U. S. Environmental Protection
Agency
Region IV Office
Regional Radiation Representative
345 Courtland Street
Atlanta, Georgia 30308

Mr. Robert F. Sullivan
U. S. Nuclear Regulatory Commission
Route 2, Box 311
Athens, Alabama 35611

Mr. John F. Cox
Tennessee Valley Authority
W9-D 207C
400 Commerce Avenue
Knoxville, Tennessee 37902

Mr. Herbert Abercrombie
Tennessee Valley Authority
P. O. Box 2000
Decatur, Alabama 35602

Mr. Oliver Havens
U.S. Nuclear Regulatory Commission
Reactor Training Center
Osborne Office Center, Suite 200
Chattanooga, Tennessee 37411



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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-260

BROWNS FERRY NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 75
License No. DPR-52

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendments by Tennessee Valley Authority (the licensee) dated May 15, 1981, as supplemented by letter dated July 13, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, 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, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C(2) of Facility License No. DPR-52 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 75, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 2, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 75

FACILITY OPERATING LICENSE NO. DPR-52

DOCKET NO. 50-260

Revise Appendix A as follows:

1. Replace the following pages with the identically numbered pages:

332
335
336
337
346
358
359
361
362
363
364

Marginal lines on the above pages indicate the areas being revised.

2. The overleaf pages are not being revised and should be retained.

6.0 ADMINISTRATIVE CONTROLS

6.1 Organization

- A. The plant superintendent has on-site responsibilities for the safe operation of the facility and shall report to the Assistant Director of Nuclear Power (Operations). In the absence of the plant superintendent, an assistant superintendent will assume his responsibilities.
- B. The portion of TVA management which relates to the operation of the plant is shown in Figure 6.1-1.
- C. The functional organization for the operation of the station shall be as shown in Figure 6.1-2.
- D. Shift manning requirements shall, as a minimum, be as described in section 6.8.
- E. Qualifications of the Browns Ferry Nuclear Plant management and operating staff shall meet the minimum acceptable levels as described in ANSI - N18.1, Selection and Training of Nuclear Power Plant Personnel, dated March 8, 1971. The qualifications of the Health Physics Supervisor will meet or exceed the minimum acceptable levels as described in Regulatory Guide 1.8, Revision 1, dated Sept. 1975.
- F. Retraining and replacement training of station personnel shall be in accordance with ANSI - N18.1, Selection and Training of Nuclear Power Plant Personnel, dated March 8, 1971. The minimum frequency of the retraining program shall be every two years.
- G. An Industrial Security Program shall be maintained for the life of the plant.
- H. The Safety Engineer shall have the following qualifications:
 - a. Must have a sound understanding and thorough technical knowledge of safety and fire protection practices, procedures, standards, and other codes relating to electrical utility operations. Must be able to read and understand engineering drawings. Must possess an analytical ability for problem solving and data analysis. Must be able to communicate well both orally and in writing and must be able to write investigative reports and prepare written procedures. Must have the ability to secure the cooperation of management, employees and groups in the implementation of safety programs. Must be able to conduct safety presentations for supervisors and employees.
 - b. Should have experience in safety engineering work at this level or have 3 years experience in safety and/or fire protection engineering. It is desirable that the incumbent be a graduate of an accredited college or university with a degree in industrial, mechanical, electrical, or safety engineering or fire protection engineering.

6.0 ADMINISTRATIVE CONTROLS

B. Plant Operations Review Committee (PORC)

1. Membership

The PORC shall consist of the plant superintendent, or his representative, electric maintenance section supervisor, mechanical maintenance section supervisor, instrument maintenance section supervisor, health physics supervisor, operations section supervisor, engineering section supervisor, and quality assurance supervisor. An assistant plant supervisor may serve as an alternate committee member when his supervisor is absent.

The plant superintendent will serve as chairman of the PORC. His representative will serve as chairman in the absence of the plant superintendent.

2. Meeting Frequency

The PORC shall meet at regular monthly intervals and for special meetings as called by the chairman or as requested by individual members.

3. Quorum

Superintendent or his representative, plus five of the seven other members, or their alternate, will constitute a quorum. A member will be considered present if he is in telephone communication with the committee.

6.0 ADMINISTRATIVE CONTROLS

4. Duties and Responsibilities

The PORC serves in an advisory capacity to the plant superintendent and as an investigating and reporting body to the Nuclear Safety Review Board in matters related to safety in plant operations. The plant superintendent has the final responsibility in determining the matters that should be referred to the Nuclear Safety Review Board.

The responsibility of the committee will include:

- a. Review all standard and emergency operating and maintenance instructions and any proposed revisions thereto, with principal attention to provisions for safe operation.
- b. Review proposed changes to the Technical Specifications.
- c. Review proposed changes to equipment or systems having safety significance, or which may constitute "an unreviewed safety question," pursuant to 10 CFR 50.59.
- d. Investigate reported or suspected incidents involving safety questions, violations of the Technical Specifications, and violations of plant instructions pertinent to nuclear safety.
- e. Review reportable occurrences, unusual events, operating anomalies and abnormal performance of plant equipment.
- f. Maintain a general surveillance of plant activities to identify possible safety hazards.
- g. Review plans for special fuel handling, plant maintenance, operations, and tests or experiments which may involve special safety considerations, and the results thereof, where applicable.
- h. Review adequacy of quality assurance program and recommend any appropriate changes.
- i. Review implementing procedures of the Radiological Emergency Plan and the Industrial Security Program on an annual basis.

4.0 ADMINISTRATIVE CONTROLS

i. Review adequacy of employee training programs and recommend change.

5. Authority

The PORC shall be advisory to the plant superintendent.

6. Records

Minutes shall be kept for all PORC meetings with copies sent to Director, Nuclear Power; Assistant Director of Nuclear Power (Operations); Chairman, NSRB

7. Procedures

Written administrative procedures for committee operation shall be prepared and maintained describing the method for submission and content of presentations to the committee, review and approval by members of committee actions, dissemination of minutes, agenda and scheduling of meetings.

6.0 ADMINISTRATIVE CONTROLS

6.4 Actions to be Taken in the Event of a Reportable Occurrence in Plant Operation (Ref. Section 6.7)

- A. Any reportable occurrence shall be promptly reported to the Assistant Director, Nuclear Power (Operations) and shall be promptly reviewed by PORC. This committee shall prepare a separate report for each reportable occurrence. This report shall include an evaluation of the cause of the occurrence and recommendations for appropriate action to prevent or reduce the probability of a repetition of the occurrence.
- B. Copies of all such reports shall be submitted to the Assistant Director, Nuclear Power (Operations), the Manager of Power, and the Chairman of the NSRB for their review.
- C. The plant superintendent shall notify the NRC as specified in Specification 6.7 of the circumstances of any reportable occurrence.

6.5 Action to be Taken in the Event a Safety Limit is Exceeded

If a safety limit is exceeded, the reactor shall be shut down and reactor operation shall not be resumed until authorized by the NRC. A prompt report shall be made to the Assistant Director, Nuclear Power (Operations), and the Chairman of the NSRB. A complete analysis of the circumstances leading up to and resulting from the situation, together with recommendations to prevent a recurrence, shall be prepared by the PORC. This report shall be submitted to the Assistant Director, Nuclear Power (Operations), the Manager of Power, and the NSRB. Notification of such occurrences will be made to the NRC by the plant superintendent within 24 hours.

6.6 Station Operating Records

- A. Records and/or logs shall be kept in a manner convenient for review as indicated below:
 1. All normal plant operation including such items as power level, fuel exposure, and shutdowns
 2. Principal maintenance activities
 3. Reportable occurrences

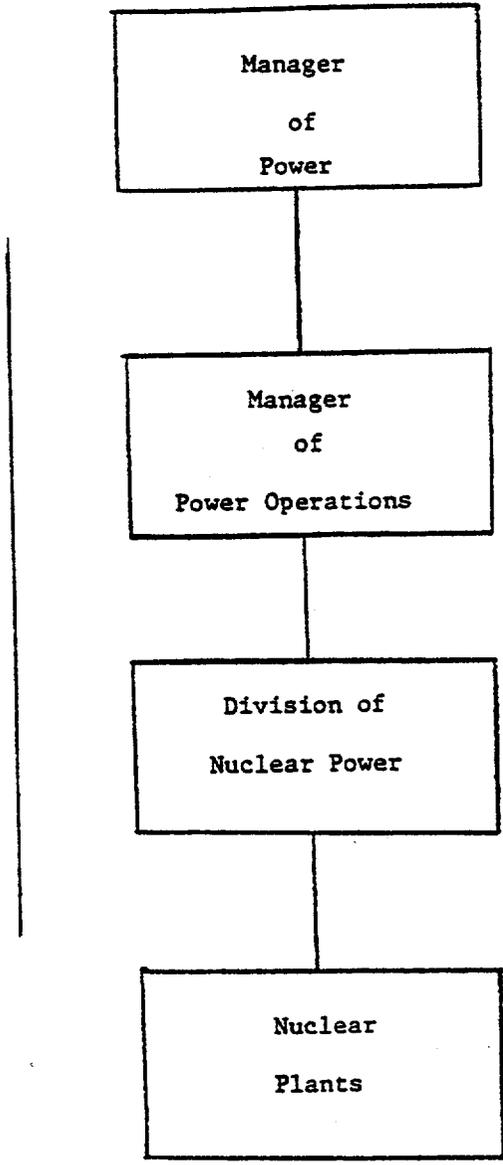
6.0 ADMINISTRATIVE CONTROLS

6.3 Minimum Plant Staffing

The minimum plant staffing for monitoring and conduct of operations is as follows.

1. A licensed senior operator shall be present at the site at all times when there is fuel in the reactor.
2. A licensed operator shall be in the control room whenever there is fuel in the reactor.
3. A licensed senior operator shall be in direct charge of a reactor refueling operation; i.e., able to devote full time to the refueling operation.
4. A health physics technician shall be present at the facility at all times there is fuel in the reactor.
5. Two licensed operators shall be in the control room during any cold startups, while shutting down the reactor, and during recovery from unit trip.
6. Either the plant superintendent or an assistant plant superintendent shall have acquired the experience and training normally required for examination by the NRC for a Senior Reactor Operator's License, whether or not the examination is taken. In addition, either the operations supervisor or the assistant operations supervisor shall have an SRO license.

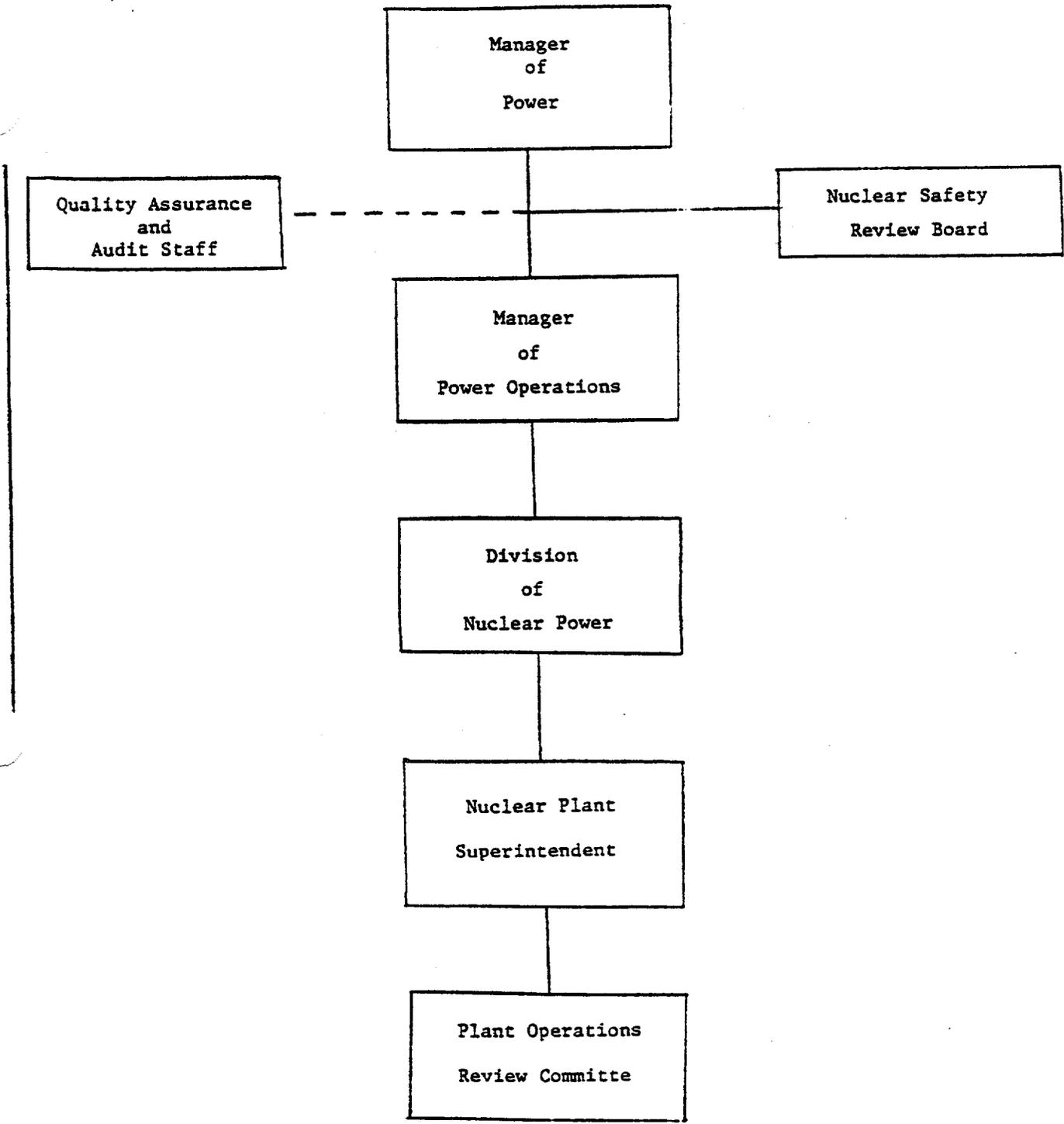
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**BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY
ANALYSIS REPORT**

TVA Office of Power Organization
for
Operation of Nuclear Plants

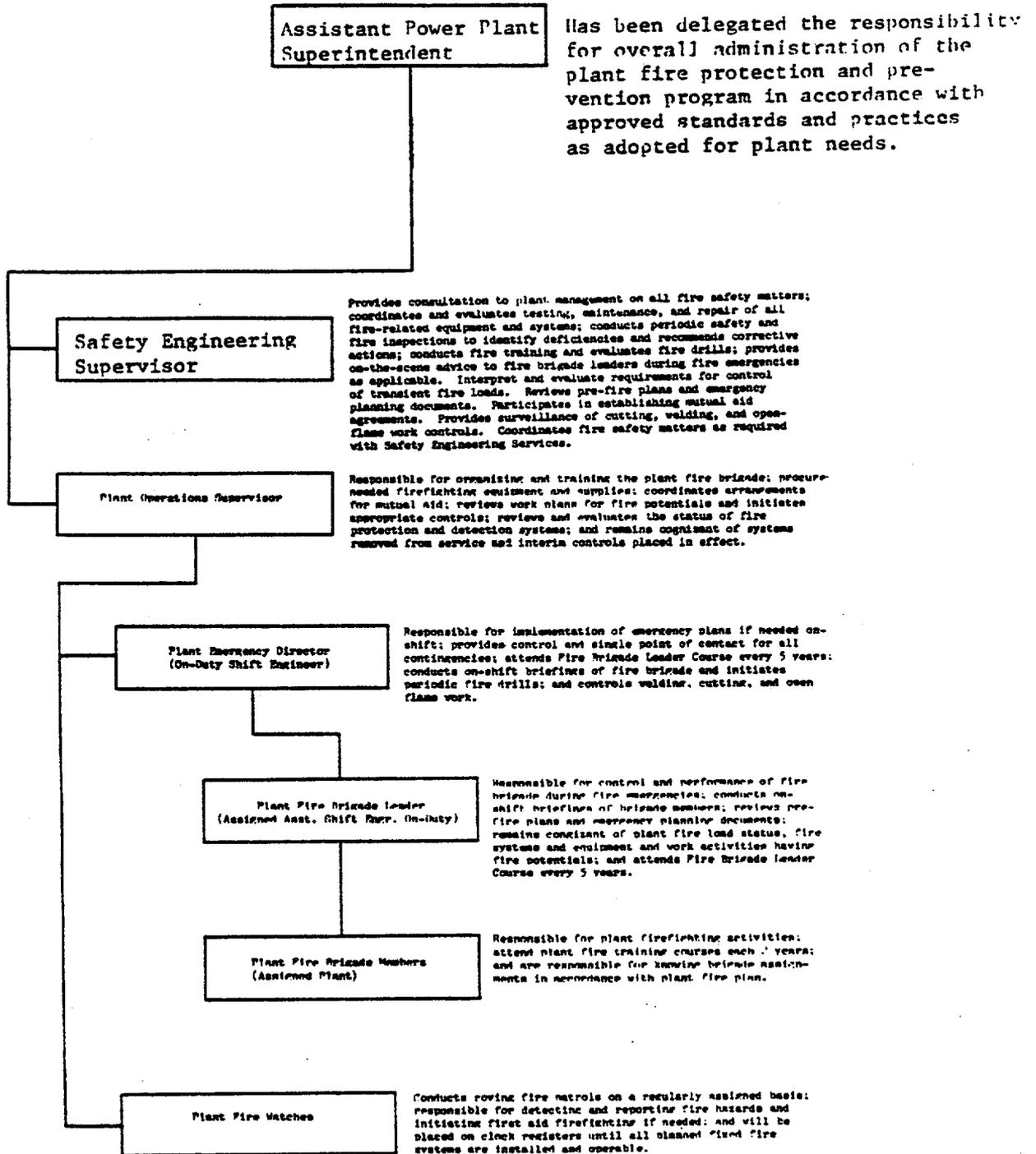
FIGURE 6.1-1



REVIEW AND AUDIT
FUNCTION

FIGURE 6.2-1

**IN-PLANT FIRE PROGRAM ORGANIZATION
BROWNS FERRY NUCLEAR PLANT**





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-33
AMENDMENT NO. 75 TO FACILITY OPERATING LICENSE NO. DPR-52
AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. DPR-68
TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT, UNIT NOS. 1, 2 AND 3
DOCKET NOS. 50-259, 50-260 AND 50-296

1.0 Introduction

By letter dated May 15, 1981 (TVA BFNP TS 163) and supplemented by letter dated July 13, 1981, the Tennessee Valley Authority (the licensee or TVA) requested changes to the Technical Specifications (Appendix A) appended to Facility Operating License Nos. DPR-33, DPR-52 and DPR-68 for the Browns Ferry Nuclear Plant, Unit Nos. 1, 2 and 3. The proposed amendments and revised Technical Specifications would revise the administrative controls section of the Technical Specifications to reflect changes in the TVA and Browns Ferry Nuclear Plant (BFNP) organizations.

2.0 Discussion and Evaluation

The proposed changes only involve Section 6.0 (the Administrative Controls section) of the Technical Specifications. A thorough discussion and justification for each change was provided by TVA in their submittals referenced above. We have reviewed the changes and have concluded they are acceptable. A summary description of the changes is outlined below.

The proposed changes:

- a. Reflect that TVA's Division of Power Production has been separated into two divisions--the Division of Nuclear Power and the Division of Fossil and Hydro Branch. The former Nuclear Generation Branch is now the Division of Nuclear Power.
- b. Following the March 22, 1975 fire an overall fire restoration coordinator position was established. The position was abolished when the restoration was completed. Reference to this position in the Technical Specification was deleted by Amendment Nos. 71, 68 and 43 issued June 18, 1981 except for one reference in Section 6.1.H.
- c. There are about 1,000 people regularly at the BFNP associated with normal operation of the plant. In addition, there is in the order of 400 additional field service personnel at the plant to handle major maintenance and prepare for the modifications and overhaul work performed during refueling outages. During outages, the total work

force on site can approach 3,000 people. Initially, BFNP had one assistant plant superintendent. In January 1981 a second assistant plant superintendent was added. Recently, a third assistant plant superintendent was authorized. Section 6.1 of the Technical Specifications is being revised to reflect this change. One assistant superintendent will be responsible for engineering and operations, another will be responsible for maintenance, and the third is responsible for health physics, safety, security, training and administrative services. The health physics organization is placed under the Health and Safety Services, Assistant Plant Superintendent. Thus, the Health Physics Supervisor reports to an assistant superintendent and is independent from plant operations. This is in accordance with the recommendations of Regulatory Guide 8.8, "Information Relevant to Ensuring that Occupational Radiation Exposure at Nuclear Power Stations Will Be As Low As Is Reasonably Achievable" and NUREG-0731, "Criteria for Utility Management and Technical Competence" and is acceptable. The quality assurance supervisor still reports directly to the plant superintendent; there is no change in this area.

- d. Section 6.2.B of the Technical Specifications lists the duties, functions and membership of the Plant Operations Review Committee (PORC). With the new organization, new section supervisors have been added and the titles for some groups have been revised. Section 6.2.B is being changed to revise the membership of the PORC consistent with the new plant organization.
- e. The fire protection and prevention program was formerly under the Operations Supervisor. The change assigns responsibility for this program to the assistant plant superintendent for health and safety services.

None of the organizational changes outlined above will have an adverse effect on the nuclear or environmental safety of the Browns Ferry Nuclear Plant. We conclude the proposed changes are acceptable.

3.0 Environmental Considerations

We have determined that these amendments do 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 these amendments involve an action which is insignificant from the standpoint of environmental impact, and pursuant to 10 CFR Section 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 these amendments.

4.0 Conclusion

We have concluded based on the considerations discussed above that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not

involve a significant decrease in a safety margin, the amendments do 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: December 2, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-259, 50-260 AND 50-296TENNESSEE VALLEY AUTHORITYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 79 to Facility Operating License No. DPR-33, Amendment No. 75 to Facility Operating License No. DPR-52, and Amendment No. 48 to Facility Operating License No. DPR-68 issued to Tennessee Valley Authority (the licensee), which revised Technical Specifications for operation of the Browns Ferry Nuclear Plant, Unit Nos. 1, 2 and 3 (the facility) located in Limestone County, Alabama. The amendments are effective as of the date of issuance.

The amendments revise the administrative controls section of the Technical Specifications to reflect changes in the Tennessee Valley Authority and Browns Ferry Nuclear Plant organizations.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR

§51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated May 15, 1981, as supplemented by letter dated July 13, 1981, (2) Amendment No. 79 to License No. DPR-33, Amendment No. 75 to License No. DPR-52, and Amendment No. 48 to License No. DPR-68, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Athens Public Library, South and Forrest, Athens, Alabama 35611. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 2nd day of December 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing