

Docket No.: 50-483

September 8, 1986

Mr. D. F. Schnell
Vice President - Nuclear
Union Electric Company
Post Office Box 149
St. Louis, Missouri 63166

Dear Mr. Schnell:

SUBJECT: CALLAWAY PLANT, UNIT 1 - AMENDMENT NO.16 TO FACILITY OPERATING
LICENSE NPF-30

The Commission has issued the enclosed Amendment No.16 to Facility Operating License NPF-30 for the Callaway Plant, Unit 1. The amendment is in response to your application dated January 3, 1986.

The amendment modifies the Technical Specifications to reflect administrative and organizational changes associated with the establishment of the positions of General Manager, Nuclear Operations, and Manager, Operations Support, and resulting changes in the operating organization, engineering organization, On-site Review Committee and Nuclear Safety Review Board.

A copy of the related Safety Evaluation is enclosed. Notice of issuance will be included in the Commission's next regular bi-weekly Federal Register Notice.

Sincerely,

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Paul W. O'Connor, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A

Enclosures:

1. Amendment No.16 to License No. NPF-30
2. Safety Evaluation Report

cc w/enclosures
See next page

M Duncan
PWR#4/DPWR-A
MDuncan/rad
08/6/86

PWOL
PWR#4/DPWR-A
PO'Connor
08/6/86

BJ Youngblood
PWR#4/DPWR-A
BJYoungblood
08/2/86

Mr. D. F. Schnell
Union Electric Company

Callaway Plant
Unit No. 1

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

UNION ELECTRIC COMPANY

CALLAWAY PLANT, UNIT 1

DOCKET NO. 50-483

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 16
License No. NPF-30

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Callaway Plant, Unit 1 (the facility) Facility Operating License No. NPF-30 filed by Union Electric Company (the licensee) dated January 3, 1986, 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 Operating License No. NPF-30 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.16 and the Environmental Protection Plan

contained in Appendix B, both of which are attached hereto, are hereby incorporated into the license. UE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

151

Paul W. O'Connor, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of issuance: September 8, 1986

PWR#4/DPWR-A
MDunca/rad
08/6/86

PWO
PWR#4/DPWR-A
PO'Connor
08/6/86

OGC Beth
8/6
08/2/86

Dunant
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FOR THE NUCLEAR REGULATORY COMMISSION

Paul W. O'Connor

Paul W. O'Connor, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of issuance: September 8, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 16

OPERATING LICENSE NO. NPF-30

DOCKET NO. 50-483

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

Amended Page

Overleaf Page

6-3

6-4

6-7

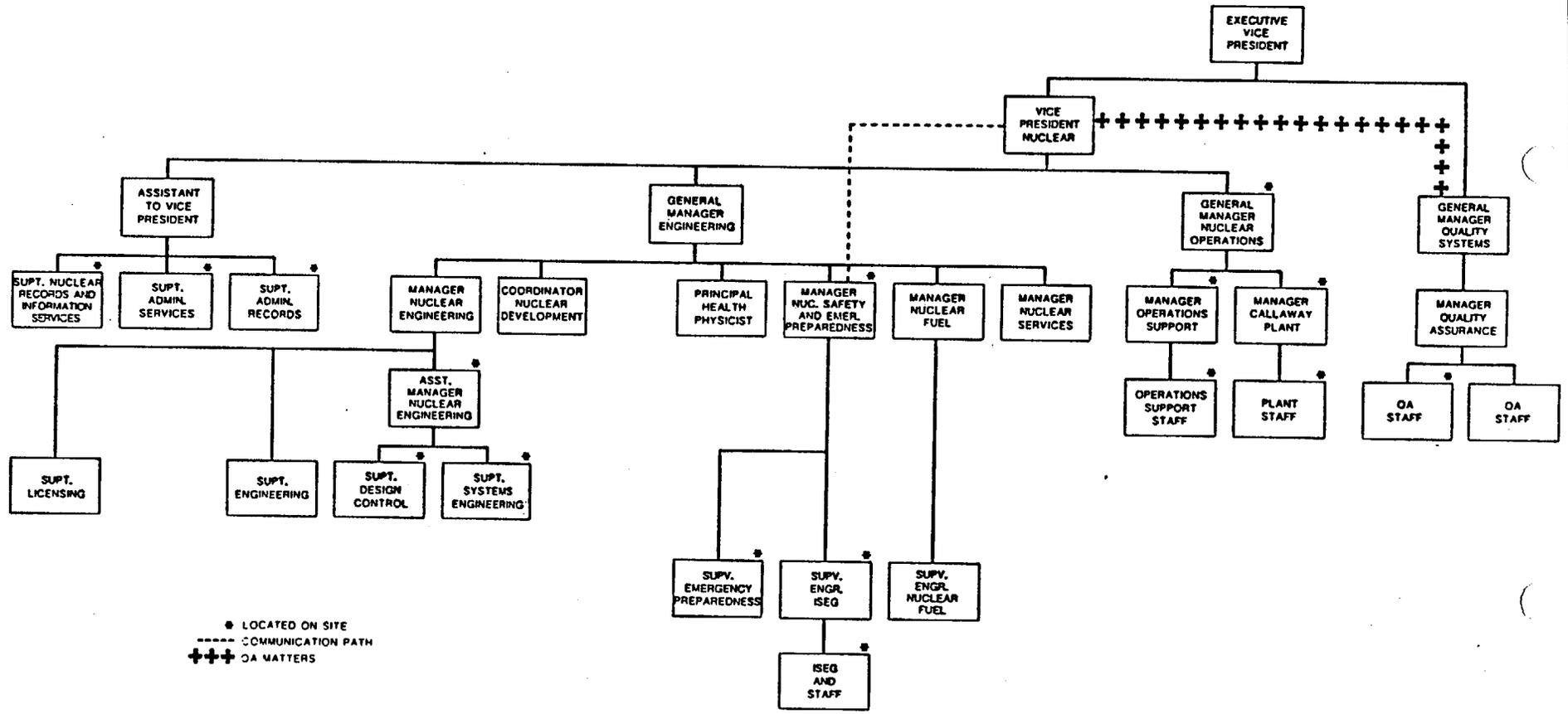
6-10

6-13

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FIGURE 9.3-1
OFFSITE ORGANIZATION
6-3



ADMINISTRATIVE CONTROLS

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Superintendent of Training and shall meet or exceed the requirements and recommendations of Section 5 of ANSI/ANS 3.1-1978 and Appendix A of 10 CFR Part 55 and the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees, and shall include familiarization with relevant industry operational experience identified by the ISEG.

6.5 REVIEW AND AUDIT

6.5.1 ON-SITE REVIEW COMMITTEE (ORC)

FUNCTION

6.5.1.1 The ORC shall function to advise the Manager, Callaway Plant on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The ORC shall be composed of the:

Chairman:	Manager, Callaway Plant
Member:	Asst Mgr, Oper and Maintenance
Member:	Asst Mgr, Tech Services
Member:	Manager, Operations Support
Member:	Supt, Health Physics
Member:	Supt, Operations Support, QA
Member:	Asst Mgr, Nuclear Engineering

ALTERNATES

6.5.1.3 All alternate members shall be appointed in writing by the ORC Chairman to serve on a temporary basis.**

MEETING FREQUENCY

6.5.1.4 The ORC shall meet at least once per calendar month and as convened by the ORC Chairman or his designated alternate.

QUORUM

6.5.1.5 The quorum of the ORC necessary for the performance of the ORC responsibility and authority provisions of these Technical Specifications shall consist of the Chairman or his designated alternate and four members of which no more than two shall be alternates.

**Except for the alternate for the Supt, Operations Support, QA, who is appointed by the Manager, Quality Assurance.

ADMINISTRATIVE CONTROLS

RESPONSIBILITIES (Continued)

- m. Review of Unit operations to detect potential hazards to nuclear safety;
- n. Investigations or analysis of special subjects as requested by the Chairman of the NSRB; and
- o. Review of Unit Turbine Overspeed Protection Reliability Program and revisions thereto.

6.5.1.7 The ORC shall:

- a. Recommend in writing to the Manager, Callaway Plant approval or disapproval of items considered under Specifications 6.5.1.6a. through e., i., j., k., l., and o. above;
- b. Render determinations in writing with regard to whether or not each item considered under Specifications 6.5.1.6b. through e., and m., above, constitutes an unreviewed safety question; and
- c. Provide written notification within 24 hours to the Vice President-Nuclear and the Nuclear Safety Review Board of disagreement between the ORC and the Manager, Callaway Plant; however, the Manager, Callaway Plant shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1 above.

RECORDS

6.5.1.8 The ORC shall maintain written minutes of each ORC meeting that, at a minimum, document the results of all ORC activities performed under the responsibility provisions of these Technical Specifications. Copies shall be provided to the Vice President-Nuclear and the Nuclear Safety Review Board.

6.5.2 NUCLEAR SAFETY REVIEW BOARD (NSRB)

FUNCTION

6.5.2.1 The NSRB shall function to provide independent review and audit of designated activities in the areas of:

- a. Nuclear power plant operations,
- b. Nuclear engineering,
- c. Chemistry and radiochemistry,
- d. Metallurgy,
- e. Instrumentation and control,
- f. Radiological safety,
- g. Mechanical and electrical engineering, and
- h. Quality assurance practices.

The NSRB shall report to and advise the Vice President-Nuclear on those areas of responsibility stated in Specifications 6.5.2.8 and 6.5.2.9.

ADMINISTRATIVE CONTROLS

COMPOSITION

6.5.2.2 The NSRB shall be composed of at least the following members:

Chairman:	General Manager, Engineering (Nuclear)
Member:	Manager, Nuclear Engineering
Member:	Manager, Nuclear Safety and Emergency Preparedness
Member:	Manager, Quality Assurance
Member:	General Manager, Nuclear Operations
Member:	Supervising Engineer, Nuclear Fuels

Additional members and Vice Chairmen may be appointed by the Chairman.

ALTERNATES

6.5.2.3 All alternate members shall be appointed in writing by the NSRB Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in NSRB activities at any one time.

CONSULTANTS

6.5.2.4 Consultants shall be utilized as determined by the NSRB Chairman to provide expert advice to the NSRB.

MEETING FREQUENCY

6.5.2.5 The NSRB shall meet at least once per calendar quarter during the initial year of unit operation following fuel loading and at least once per 6 months thereafter.

QUALIFICATIONS

6.5.2.6 The NSRB members shall hold a Bachelor's degree in an engineering or physical science field, or equivalent experience, and a minimum of 5 years of technical experience of which a minimum of 3 years shall be in one or more of the disciplines of Specification 6.5.2.1.

QUORUM

6.5.2.7 The quorum of the NSRB necessary for the performance of the NSRB review and audit functions of these Technical Specifications shall consist of the Chairman or his designated alternate and at least two-thirds of the NSRB members including alternates. No more than a minority of the quorum shall have line responsibility for operation of the unit. For the purpose of a quorum, those considered to have line responsibility will include the General Manager, Nuclear Operations, and personnel reporting to the General Manager, Nuclear Operations.

ADMINISTRATIVE CONTROLS

6.5.3 TECHNICAL REVIEW AND CONTROL

ACTIVITIES

6.5.3.1 Activities which affect nuclear safety shall be conducted as follows:

- a. Procedures required by Specification 6.8 and other procedures which affect plant nuclear safety, and changes thereto, shall be prepared, reviewed and approved. Each such procedure or procedure change shall be reviewed by a qualified individual/group other than the individual/group which prepared the procedure or procedure change, but who may be from the same organization as the individual/group which prepared the procedure or procedure change. Procedures other than Administrative Procedures shall be approved by the appropriate Department Head as designated in writing by the General Manager, Nuclear Operations. The Manager, Callaway Plant, shall approve Administrative Procedures and Radiological Emergency Response Plan implementing procedures. The Manager, Operations Support, shall approve the Security Plan implementing procedures. Temporary changes to procedures which do not change the intent of the approved procedures shall be approved for implementation by two members of the plant staff, at least one of whom holds a Senior Operator license, and documented. The temporary changes shall be approved by the original approval authority within 14 days of implementation. For changes to procedures which may involve a change in intent of the approved procedures, the person authorized above to approve the procedure shall approve the change prior to implementation;
- b. Proposed changes or modifications to plant nuclear safety-related structures, systems and components shall be reviewed as designated by the Manager, Callaway Plant. Each such modification shall be reviewed by a qualified individual/group other than the individual/group which designed the modification, but who may be from the same organization as the individual/group which designed the modifications. Proposed modifications to plant nuclear safety-related structures, systems and components shall be approved prior to implementation by the Manager, Callaway Plant;
- c. Proposed tests and experiments which affect plant nuclear safety and are not addressed in the Final Safety Analysis Report or Technical Specifications shall be prepared, reviewed, and approved. Each such test or experiment shall be reviewed by a qualified individual/group other than the individual/group which prepared the proposed test or experiment. Proposed test and experiments shall be approved before implementation by the Manager, Callaway Plant;

ADMINISTRATIVE CONTROLS

ACTIVITIES (Continued)

- d. Individuals responsible for reviews performed in accordance with Specifications 6.5.3.1a., 6.5.3.1b., and 6.5.3.1c., shall be members of the management staff previously designated by the Manager, Operations Support. Each such review shall include a determination of whether or not additional, cross-disciplinary, review is necessary. If deemed necessary, such review shall be performed by qualified personnel of the appropriate discipline;
- e. Each review shall include a determination of whether or not an unreviewed safety question is involved. Pursuant to Section 50.59, 10 CFR, NRC approval of items involving unreviewed safety questions shall be obtained prior to the Manager, Callaway Plant, approval for implementation; and
- f. The Plant Security Plan and Radiological Emergency Response Plan, and implementing procedures, shall be reviewed at least once per 12 months. Recommended changes to the implementing procedures shall be approved in accordance with 6.5.3.1.a. Recommended changes to the Plans shall be reviewed pursuant to the requirements of Specifications 6.5.1.6 and 6.5.2.8 and approved by the Manager, Callaway Plant. NRC approval shall be obtained as appropriate.

RECORDS

6.5.3.2 Records of the above activities shall be provided to the Manager, Callaway Plant, ORC and/or NSRB as necessary for required reviews.

6.6 REPORTABLE EVENT ACTION

6.6.1 The following actions shall be taken for REPORTABLE EVENTS:

- a. The Commission shall be notified and a report submitted pursuant to the requirements of Section 50.73 of 10 CFR Part 50, and
- b. Each REPORTABLE EVENT shall be reviewed by the ORC and submitted to the NSRB and the Vice President-Nuclear.

6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

- a. The NRC Operations Center shall be notified by telephone as soon as possible and in all cases within 1 hour. The Vice President-Nuclear and the NSRB shall be notified within 24 hours;
- b. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the ORC. This report shall describe: (1) applicable circumstances preceding the violation; (2) effects of the violation upon facility components, systems or structures; and (3) corrective action taken to prevent recurrence;



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO.16 TO OPERATING LICENSE NO. NPF-30

UNION ELECTRIC COMPANY

CALLAWAY PLANT, UNIT 1

DOCKET NO. 50-483

1.0 INTRODUCTION

By letter dated January 3, 1986, Union Electric Company, the licensee for the Callaway Plant, requested a number of changes to Section 6 of the plant Technical Specifications.

2.0 EVALUATION

1. Figure 6.2-1, Offsite Organization, would be revised to:
 - (a) Establish the position of General Manager, Nuclear Operations, reporting to the Vice President, Nuclear;
 - (b) Establish the position of Manager, Operations Support and to include that this position and the position of Manager, Callaway Plant, report to the General Manager, Nuclear Operations;
 - (c) Delete the position of Manager, Nuclear Construction, and the construction staff;
 - (d) Establish the position of Assistant Manager, Nuclear Engineering, located on site and reporting to the Manager, Nuclear Engineering;
 - (e) Delete the position of Superintendent, Site Liaison Engineering, and establish the positions of Superintendent, Design Control and Superintendent, Systems Engineering, both reporting to the Assistant Manager, Nuclear Engineering, all located on site; and
 - (f) Change the title of the Superintendent, Document Program, to Superintendent Nuclear Records and Information Services (NRIS).

Establishment of the position of General Manager, Nuclear Operations provides a senior management level position to be responsible for overall site activities. Under the direction of the General Manager, Nuclear Operations, the Manager, Callaway Plant, will now be able to focus his attention on those activities

directly affecting daily plant operations, while the newly established Manager, Operations Support, will be responsible for supporting activities such as training, security, materials and other support services. We consider this change to be an improvement since it provides for increased management controls while allowing the Manager, Callaway Plant to devote his energies toward assuring safe plant operation. The change is in accordance with Section 13.1.2 of the Standard Review Plan, NUREG-0800, and is acceptable.

Deletion of the position of Manager, Nuclear Construction, and the construction staff is acceptable since plant construction is now complete. Responsibilities related to plant modifications and any future construction activities will be handled by the Nuclear Engineering, Nuclear Services and Operations Support Departments.

Deletion of the position of Superintendent, Site Liaison Engineering and establishment of the positions of Superintendent, Design Control and Superintendent, Systems Engineering, both of whom report to the new Assistant Manager, Nuclear Engineering, reorganize the engineering resources to support plant operations. These changes will not reduce the level of engineering support or the experience base; however, they should provide for improved coordination or engineering support of plant operations. The revised engineering organization is in accordance with the requirements of Sections 13.1.1 and 13.1.2 of the Standard Review Plan, NUREG-0800, and is acceptable.

The title change for the position of Superintendent, Document Program, to Superintendent, Nuclear Records and Information Services, recognizes a change in the corporate records management program and establishment of a computer group to serve the needs of the site. This change is acceptable.

2. Figure 6.2.2, Unit Organization, would be revised to:
 - (a) Indicate the changes described in (a) and (b) above;
 - (b) Delete the position of Assistant Manager, Administrative and show the Superintendent, Personnel Development reporting to the General Manager, Nuclear Operations;
 - (c) Delete the position of Advisor to the Manager, Callaway Plant
 - (d) Indicate that the Superintendent, Outages, Assistant Manager, Materials and the Assistant Manager, Support Services report to the newly created position of Manager, Operations Support;
 - (e) Indicate that the Superintendent, Planning and Scheduling will report to the Manager, Callaway Plant; and
 - (f) Indicate the transfer of the position of Superintendent, Engineering from the Operations Department.

The NRC has no requirements regarding the organization for administrative support at the plant level provided overall technical competence remains adequate. Therefore, deletion of the position of Assistant Manager, Administrative and having the Superintendent, Personnel Development report directly to the General Manager, Nuclear Operations is acceptable.

In accordance with establishment of an Operations Support organization at the plant, the managers responsible for outages, materials and support services will now report to the Manager, Operations Support. This is consistent with the intent of the revised organization, is in accordance with Section 13.1.2 of the Standard Review Plan, and is acceptable. The position of Advisor to the Manager, Callaway Plant was required by license condition during the start-up test program and for one year following achievement of full power operation. The one year requirement was satisfied on December 15, 1985. Thus, deletion of the Advisor position is acceptable.

The Superintendent, Planning and Scheduling will now report directly to the Manager, Callaway Plant rather than through the Assistant Manager, Operations and Maintenance. The shift in reporting is acceptable since it provides the plant Manager more direct control over planning and scheduling activities without increasing his span of control beyond reasonable limits.

As part of the consolidation of engineering support discussed under 1(e) above, the position of Superintendent, Engineering has been deleted from the site organization. Functions previously performed by this group have now been absorbed by the newly established Assistant Manager, Nuclear Engineering, whose group is located onsite so as to provide close support for plant operations. This consolidation of engineering support is consistent with the guidelines of Sections 13.1.1 and 13.1.2 of the Standard Review Plan and is acceptable.

3. Section 6.5.1.2

The composition of the On-Site Review Committee (ORC) is being changed to add the Manager, Operations Support and the Assistant Manager, Nuclear Engineering, and to delete the Assistant Manager, Support Services, the Assistant Manager, Administrative and the Advisor to the Manager, Callaway Plant. These changes are consistent with the proposed revisions to the organization and they provide the Committee with enhanced technical expertise and management oversight. The revised ORC membership is consistent with the guidelines of Section 13.4 of the Standard Review Plan and is acceptable.

4. Section 6.5.2.2 and 6.5.2.7

The composition of the Nuclear Safety Review Board (NSRB) is changed to replace the Manager, Callaway Plant with the newly established General Manager, Nuclear Operations and to show that the General Manager, Nuclear Operations has line responsibility for the purpose of meeting NSRB quorum requirements. This change is consistent with the revisions to the organization, and is consistent with Section 13.4 of the Standard Review Plan. It is, therefore, acceptable.

5. Section 6.5.3.1

The Manager, Callaway Plant, is replaced by the General Manager, Nuclear Operations as the individual responsible for designating appropriate Department Heads as approval authorities for procedures other than administrative procedures. This change also designates the new Manager, Operations Support as the individual responsible for approving procedures to implement the Security Plan and for designating individuals responsible for review performed in accordance with Technical Specifications Sections 6.5.3.1.a, 6.5.3.1.b and 6.5.3.1.c. These changes are consistent with the changes to the organization and are acceptable.

Overall, we find that the organizational changes proposed by the licensee represent improvements that should strengthen plant operations and operational support activities. The resulting organization is consistent with Sections 13.1.1 and 13.1.2 of the Standard Review Plan and is acceptable. The other proposed changes result from and are consistent with the revised organization. All proposed changes are consistent with the criteria of Section 13.1.1, 13.1.2 and 13.4 of the Standard Review Plan, NUREG-0800, and are, therefore, acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (51 FR 27291) on July 30, 1986, and consulted with the state of Missouri. No public comments were received, and the state of Missouri 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: P. O'Connor, PWR#4
L. Crocker, DHFS

Dated: September 8, 1986

DISTRIBUTION

Docket File

NRC PDR
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