

Docket No.: 50-483

January 22, 1986

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

Dear Mr. Schnell:

Subject: Callaway Plant, Unit 1 - Amendment No. 11 to License NPF-30

The Commission has issued the enclosed Amendment No. 11 to Operating License NPF-30 for the Callaway Plant, Unit 1. The amendment consists of a change to Technical Specification 4.7.10.1.2.c in response to your application dated August 13, 1985 as supplemented by letter dated November 15, 1985, to allow the 18-month inspection of a fire pump diesel engine to be performed when the plant is at power, as well as when the plant is shutdown.

The amendment approves a modification to Page 3/4 7-28 of the Callaway Technical Specifications.

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

Sincerely,

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

Enclosures:

- 1. Amendment No. 11 to NPF-30
- 2. Safety Evaluation Report

cc: See next page

PWR#4/DPWR-A
TAlexion/mag
12/27/85

PWR#4/DPWR-A
PO'Connor
12/27/85

PWR#4/DPWR-A
MDuncan
1/3/85

OELD
RPerlis
1/9/86
mt

PWR#4/DPWR-A
BJYoungblood
1/12/85

Mr. D. F. Schnell
Union Electric Company

Callaway Plant
Unit No. 1

cc:

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- 2 - Callaway Plant
Unit No. 1

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

JAN 2 2 1986

UNION ELECTRIC COMPANY

DOCKET NO. 50-483

CALLAWAY PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 11
License No. NPF-30

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Union Electric Company (the licensee), dated August 13, 1985 as supplemented by letter dated November 15, 1985, 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 set forth in 10 CFR Chapter I;
 - 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 a change 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:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 11, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. UE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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

Attachment:
Change to the Technical
Specifications

Date of Issuance: January 22, 1986

PWR#4/DPWR-A
TAlexion/mad
12/27/85 *TWA*

PWR#4/DPWR-A
PO'Connor
12/27/85 *TWA*

PWR#4/DPWR-A
MDuncan
11/3/85 *MD*

OELD
RPerlis
11/9/85 *RPerlis*

PWR#4/DPWR-A
BJYoungblood
1/22/85 *BJY*

ATTACHMENT TO LICENSE AMENDMENT NO. 11

OPERATING LICENSE NO. NPF-30

DOCKET NO. 50-483

Revise Appendix A, as follows:

REMOVE

3/4 7-28

INSERT

3/4 7-28

PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- d. At least once per 6 months for the first year and then at least once per 3 years by performance of a yard loop and hydrant flush,
- e. At least once per 12 months by cycling each testable valve in the flow path through at least one complete cycle of full travel,
- f. At least once per 18 months by performing a system functional test which includes simulated automatic actuation of the system throughout its operating sequence, and:
 - 1) Verifying that each pump develops at least 1500 gpm at a system head of 135 psig,
 - 2) Verifying each pump delivers at least 2250 gpm at a system pressure of 105 psig,
 - 3) Cycling each valve in the flow path that is not testable during plant operation through at least one complete cycle of full travel, and
 - 4) Verifying that each fire suppression pump starts (sequentially) on decreasing pressure in the fire suppression header at a header pressure greater than or equal to 110 psig.
- g. At least once per 3 years by performing a flow test of the system in accordance with Chapter 5, Section 11 of the Fire Protection Handbook, 14th Edition, published by the National Fire Protection Association.

4.7.10.1.2 Each fire pump diesel engine shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying:
 - 1) The fuel oil day tank level contains at least 175 gallons of fuel, and
 - 2) The diesel starts from ambient conditions and operates for at least 30 minutes on recirculation flow.
- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel oil day tank, obtained in accordance with ASTM-D270-1975, is within the acceptable limits specified in Table 1 of ASTM-D975-1977 when checked for viscosity, water, and sediment; and
- c. At least once per 18 months, during shutdown or with the other two fire suppression pumps operable, by subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for the class of service.



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

JAN 2 2 1986

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 11 TO FACILITY OPERATING LICENSE NO. NPF-30

UNION ELECTRIC COMPANY

CALLAWAY PLANT UNIT 1

DOCKET NO. 50-483

1.0 INTRODUCTION

By letter dated August 13, 1985 as supplemented by letter dated November 15, 1985, Union Electric Company (the licensee) requested an amendment to Facility Operating License No. NPF-30 for operation of the Callaway Plant in Callaway County, Missouri.

The amendment approves a modification to Page 3/4 7-28 of the Callaway Technical Specifications.

2.0 DISCUSSION

The fire suppression water supply system has three 50 percent capacity fire pumps. One pump is electric motor driven and two are diesel engine driven. Two of the three fire pumps are required to be in service to deliver the required fire protection water demand.

Specification 4.7.10.1.2.c currently requires that each fire pump diesel engine be demonstrated operable at least once per 18 months, during shutdown, by subjecting the diesel engine to an inspection. By letter dated August 13, 1985, the licensee proposed to delete the requirement that this inspection be performed during shutdown.

By letter dated November 15, 1985, the licensee informed us that the subject inspection will be performed either during shutdown or during power operation when the other two fire pumps are operable. By the November 15, 1985 letter, the licensee proposed wording for Specification 4.7.10.1.2.c to clarify this point.

3.0 EVALUATION

The required fire protection water demand is available whenever any two of the three station fire pumps are operable. The proposed change to Specification 4.7.10.1.2.c will allow the 18-month inspection of a fire pump diesel engine during power operation only if the other diesel engine driven fire pump and the electric motor driven fire pump are both operable. Therefore, if one of the two diesel engine driven pumps is taken out of service during power operation for inspection, the two remaining fire pumps will be operable, and the required fire protection water demand will be available.

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Consequently, there is reasonable assurance that conducting the 18-month fire pump diesel engine inspection during power operation will not adversely affect the fire protection water supply. Based on our evaluation, we find that the licensee's proposed change to Specification 4.7.10.1.2.c, as shown in their letter dated November 15, 1985, is acceptable.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the 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 amendment involves no significant change in the types or significant increase in the amounts 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 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 this amendment.

5.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (50 FR 38923) on September 25, 1985, 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:
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Dated: January 22, 1986

DISTRIBUTION:

Amendment No.11 to NPF-30 Dated January 22, 1986

Docket File

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PRC System

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