

July 17, 1992

Docket No. 50-483

Posted

Amdt. 71 to NPF-30

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

Dear Mr. Schnell:

OGC-WF

DHagan

SUBJECT: AMENDMENT NO. 71 TO FACILITY OPERATING LICENSE NO. NPF-30  
(TAC NO. M82628)

The Commission has issued the enclosed Amendment No. 71 to Facility Operating License No. NPF-30 for the Callaway Plant, Unit 1. This amendment revises the Technical Specifications (TS) in response to your application dated November 27, 1991.

The amendment revises TS Table 6.2-1 to permit an individual with a valid Senior Reactor Operator ("SRO") license and who is qualified as a Shift Technical Advisor ("STA") to assume the control room command function during an absence of the Shift Supervisor ("SS") from the control room.

A copy of the Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

Original signed by

L. Raynard Wharton, Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

## Enclosures:

1. Amendment No. 71 to  
License No. NPF-30
2. Safety Evaluation

cc w/enclosures:  
See next page

LA:PDIII-3:DRPW PM:PDIII-3:DRPW  
PKreutzer LRWharton/bj  
7/7/92 7/8/92  
7/16/92

D:PDIII-3:DRPW  
JBH JHannon  
7/8/92

OGC-DNF  
OPW  
7/9/92

DOCUMENT NAME: CA82628.AMD



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

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Union Electric Company  
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Sincerely,

A handwritten signature in dark ink, reading "L. Raynard Wharton", is positioned above the typed name and title.

L. Raynard Wharton, Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 71 to  
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2. Safety Evaluation

cc w/enclosures:  
See next page

Mr. D. F. Schnell  
Union Electric Company

Callaway Plant  
Unit No. 1

cc:

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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.71  
License No. NPF-30

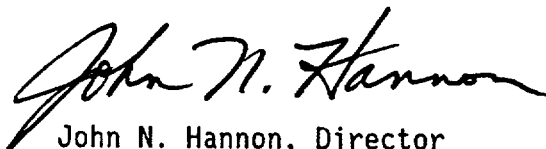
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment filed by Union Electric Company (UE, the licensee) dated November 27, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 71 , 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John N. Hannon, Director  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of issuance: July 17, 1992

ATTACHMENT TO LICENSE AMENDMENT NO. 71

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. Corresponding overleaf pages are provided to maintain document completeness.

REMOVE

6-5

INSERT

6-5

TABLE 6.2-1  
MINIMUM SHIFT CREW COMPOSITION

POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3 or 4	MODE 5 or 6
SS	1	1*
SRO	1	None
RO	2	1
EO	2	1
STA	1**	None

SS	-	Shift Supervisor with a Senior Operator license on Unit 1
SRO	-	Individual with a Senior Operator license on Unit 1
RO	-	Individual with an Operator license on Unit 1
EO	-	Equipment Operator
STA	-	Shift Technical Advisor

The Shift Crew Composition may be one less than the minimum requirements of Table 6.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the Shift Crew Composition to within the minimum requirements of Table 6.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.

During any absence of the Shift Supervisor from the control room while the unit is in MODE 1, 2, 3, or 4, an individual with a valid Senior Operator license shall be designated to assume the control room command function. During any absence of the Shift Supervisor from the control room while the unit is in MODE 5 or 6, an individual with a valid Senior Operator or Operator license shall be designated to assume the control room command function.

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\*One SRO, either Shift Supervisor or Operating Supervisor.

\*\*The STA position shall be manned in MODES 1, 2, 3, and 4 unless the Shift Supervisor or the individual with a Senior Operator license meets the qualifications for the STA as required by the NRC.

### 6.2.3 INDEPENDENT SAFETY ENGINEERING GROUP (ISEG)

#### FUNCTION

6.2.3.1 The ISEG shall function to examine plant operating characteristics, NRC issuances, industry advisories, REPORTABLE EVENTS and other sources of plant design and operating experience information, including plants of similar design, which may indicate areas for improving plant safety. The ISEG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities or other means of improving plant safety to the Manager, Nuclear Safety and Emergency Preparedness and the Manager, Callaway Plant.

#### COMPOSITION

6.2.3.2 The ISEG shall be composed of at least five, dedicated, full-time engineers located on site. Each shall have a bachelor's degree in engineering or related science and at least 2 years professional level experience in his field.

#### RESPONSIBILITIES

6.2.3.3 The ISEG shall be responsible for maintaining surveillance of plant activities to provide independent verification\* that these activities are performed correctly and that human errors are reduced as much as practical.

#### RECORDS

6.2.3.4 Records of activities performed by the ISEG shall be prepared, maintained, and forwarded each calendar month to the Manager, Nuclear Safety and Emergency Preparedness and the Manager, Callaway Plant.

### 6.2.4 SHIFT TECHNICAL ADVISOR

The Shift Technical Advisor (STA)\*\* shall provide technical support to the Shift Supervisor in the areas of thermal hydraulics, reactor engineering and plant analysis with regard to the safe operation of the unit.

### 6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI/ANS 3.1-1978 with the following exceptions:

6.3.1.1 Shift Supervisors, Operating Supervisors, Reactor Operators, and Shift Technical Advisors shall meet or exceed the qualifications of ANSI/ANS 3.1-1981 as endorsed by Reg. Guide 1.8, Revision 2, with the same exceptions as contained in the current revision to the Operator Licensing Examiner Standards, NUREG-1021, ES-202.

6.3.1.2 The Superintendent, Health Physics, who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975, for a Radiation Protection Manager.

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\*Not responsible for sign-off function.

\*\*The STA position shall be manned in MODES 1, 2, 3 and 4 unless the Shift Supervisor or the individual with a Senior Operator license meets the qualifications for the STA as required by the NRC.





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 71 TO FACILITY OPERATING LICENSE NO. NPF-30

UNION ELECTRIC COMPANY

CALLAWAY PLANT, UNIT 1

DOCKET NO. 50-483

1.0 INTRODUCTION

By letter dated November 27, 1991, the Union Electric Company (the licensee) requested a revision to the Technical Specification (TS) Table 6.2-1, "Minimum Shift Crew Composition," for the Callaway Plant, Unit 1. The proposed change would permit an individual with a valid Senior Reactor Operator (SRO) license who also is qualified as a Shift Technical Advisor (STA) to assume the control room command function during the absence of the Shift Supervisor (SS) from the control room. The staff has reviewed the proposed change for conformance to the Standard Review Plan Section 13.1.2, "Operating Organization."

2.0 EVALUATION

The NRC staff has reviewed the proposed change to Callaway Plant TS Table 6.2-1 and finds it to be consistent with NRC guidance as discussed below.

The Callaway Plant TS 6.2.4, TS Table 6.2-1, and TS 13.1.2.2.4.3 currently allow for the use of either a dedicated STA or a "dual-role," combined SRO/STA, provided the SS or the SRO meets the qualification requirements for the STA position. This implementation of the STA is consistent with guidelines in Generic Letter 86-04, "Policy Statement on Engineering Expertise on Shift."

The proposed change deletes a parenthetical phrase in TS Table 6.2-1 which prohibits the Operating Supervisor (a licensed SRO) who is serving in the "dual-role" SRO/STA position from assuming the control room command function when the SS is away from the control room. The revision will provide additional flexibility by allowing an individual in the "dual-role" SRO/STA position to assume the control room command function. An Operating Supervisor assuming the shift supervisor position must be qualified to act in that position. The minimum shift complement will remain unchanged and, therefore, the requirements of 10 CFR 50.54(m) are met. Additionally, the proposed change is consistent with Generic Letter 86-04, "Policy Statement on Engineering Expertise on Shift."

Based on a review of the licensee's submittal, the staff concludes that the licensee's proposed change to the Callaway Plant Technical Specification Table 6.2-1 is acceptable. It permits a dual role SRO/STA to assume the shift supervisor position and is in accordance with Section 13.1.2 of the Standard Review Plan, NUREG-0800.

### 3.0 STATE CONSULTATION

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

### 4.0 ENVIRONMENTAL CONSIDERATIONS

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10) (57 FR 7816). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

### 5.0 CONCLUSIONS

The staff has 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 issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Arildsen

Date: July 17, 1992