

April 4, 1989

Docket No. 50-483

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

Dear Mr. Schnell:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT,
CALLAWAY PLANT (TAC NO. 69261)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This environmental assessment relates to your letters dated August 30, November 18 (2 letters) and December 28, 1988, and February 7, 10 and 15, 1989 regarding your application for a license amendment to revise the provisions in the Technical Specifications relating to the steam generator low-low level trip circuitry.

The environmental assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,

/s/

Thomas W. Alexion, Project Manager
Project Directorate III-3
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: w/enclosure
See next page

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Office: LA/PDIII-3
Surname: PKreutzer
Date: 3/15/89

PM/PDIII-3
TAlexion/tg
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OGC
RBachmann for
3/27/89

JVM
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JHannon
3/21/89

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Mr. D. F. Schnell
Union Electric Company

Callaway Plant
Unit No. 1

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UNITED STATES NUCLEAR REGULATORY COMMISSIONUNION ELECTRIC COMPANYDOCKET NO. 50-483ENVIRONMENTAL ASSESSMENT AND FINDING OFNO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. NPF-30, issued to Union Electric Company (the licensee), for operation of the Callaway Plant, located in Callaway County, Missouri.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action

The proposed amendment would revise the provisions in the Technical Specifications (TS) relating to the steam generator low-low level trip circuitry by adding an Environmental Allowance Modifier (EAM) and a Trip Time Delay (TTD). The EAM will distinguish between a normal and an adverse containment environment and will adjust the steam generator low-low level setpoint accordingly. The TTD will delay the trip signals during low power operations (less than or equal to 20% of rated thermal power).

The proposed action is in accordance with the licensee's application for amendment dated August 30, 1988, as supplemented by letters dated November 18 (2 letters) and December 28, 1988, and February 7, 10 and 15, 1989.

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The Need for the Proposed Action

The proposed change to the TS is required in order to provide greater operational flexibility to reduce the frequency of unnecessary feedwater-related reactor trips.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to TS and concludes that the proposed changes will result in a significant decrease in the frequency of unnecessary feedwater-related reactor trips and, at the same time, ensure adequate protection during normal and accident conditions. Therefore, the proposed changes do not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant radiological environmental impact.

The Notice of Consideration of Issuance of Amendment and Opportunity for Prior Hearing in connection with this action was published in the Federal Register on October 13, 1988 (53 FR 40148). No request for hearing or petition for leave to intervene was filed following this notice.

With regard to potential nonradiological impacts, the proposed change to the TS involves systems located within the restricted area as

defined by 10 CFR Part 20. It does not affect nonradiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendment.

Alternatives to the Proposed Action

Since the Commission concluded that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce environmental impacts of plant operation and would result in reduced operational flexibility.

Alternative Use of Resources

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Callaway Plant dated January 1982.

Agencies and Persons Consulted

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

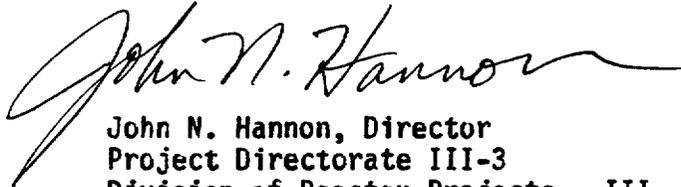
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated August 30, 1988, as supplemented by letters dated November 18 (2 letters) and December 28, 1988, and February 7, 10 and 15, 1989, which are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Callaway County Public Library, 710 Court Street, Fulton, Missouri 65251 and the John M. Olin Library, Washington University, Skinker and Lindell Boulevards, St. Louis, Missouri 63130.

Dated at Rockville, Maryland, this 4th day of April 1989.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "John N. Hannon". The signature is written in dark ink and is positioned above the typed name and title.

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