

June 16, 1989

Docket No. 50-483

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

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Dear Mr. Schnell:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT  
IMPACT, CALLAWAY PLANT (TAC NO. 67897)

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 March 25 and December 28, 1988 and March 31, 1989 regarding your application for a license amendment to increase the allowed flow variations of the control room emergency ventilation system and reduce the control room pressurization requirement from 1/4 inch water gauge to 1/8 inch water gauge.

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

DF01  
1/1

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Callaway Plant  
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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 increase the allowed flow variations of the control room emergency ventilation system and reduce the control room pressurization requirement from 1/4 inch water gauge to 1/8 inch water gauge.

The proposed action is in accordance with the licensee's application for amendment dated March 25, 1988, as supplemented by letters dated December 28, 1988 and March 31, 1989.

The Need for the Proposed Action

The proposed change to the technical specifications (TS) is necessary because of difficulties identified when verifying the capability of the emergency ventilation system to comply with the flow tolerances and pressurization level indicated in TS 3/4.7.6. This condition is caused by changes in filter loading as particulate accumulates over time.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to TS and finds that the resulting value of the iodine protection factor (IPF) for use in the radiological dose calculations for control room personnel is not decreased significantly with the proposed increase in flow variations and lower control room pressurization in comparison to the IPF without these changes. The staff has also calculated the potential radiation doses to control room operators following a design basis accident and finds them to be within the acceptance criteria of General Design Criterion 19 and Standard Review Plan Section 6.4. 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 May 20, 1988 (53 FR 18187). 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.

#### Alternative 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 March 25, 1988 and supplements dated December 28, 1988 and March 31, 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 16th day of June 1989.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Acting Director  
Project Directorate III-3  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation