

Docket No. 50-316

July 22, 1985

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Mr. John Dolan, Vice President  
 Indiana and Michigan Electric Company  
 c/o American Electric Power Service Corporation  
 1 Riverside Plaza  
 Columbus, Ohio 43216

Dear Mr. Dolan:

The Commission has issued the enclosed Amendment No. 70 to Facility Operating License No. DPR-74 for the Donald C. Cook Nuclear Plant, Unit No. 2. The amendment consists of deletion of a License Condition in response to your application transmitted by letter dated June 2, 1978, as supplemented by letters dated July 21, 1978, August 18, 1978, October 5, 1978, and September 22, 1980.

The amendment removes the License Condition 4 of Amendment No. 6 issued June 16, 1978 which required the replacement of some Foxboro transmitters and qualification of Barton 764 transmitters.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

/s/DWigginton

David L. Wigginton, Project Manager  
 Operating Reactors Branch #1  
 Division of Licensing

Enclosures:

1. Amendment No.70 to DPR-74
2. Safety Evaluation

cc: w/enclosures  
 See next page

ORB#1:DL  
 CParrish *cp*  
 5/16/85

*DW*  
 ORB#1:DL  
 DWigginton;ps  
 5/16/85

*BC* ORB#1:DL  
 SVarga  
 5/17/85

OELD  
*St. Louis*  
 5/20/85

AB:OR:DL  
 GLainas  
 5/21/85

Mr. John Dolan  
Indiana and Michigan Electric Company

Donald C. Cook Nuclear Plant

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

INDIANA AND MICHIGAN ELECTRIC COMPANY

DOCKET NO. 50-316

DONALD C. COOK NUCLEAR PLANT UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

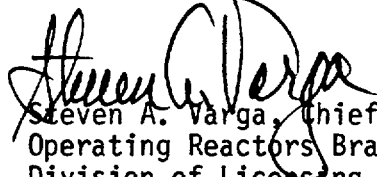
Amendment No. 70  
License No. DPR-74

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Indiana and Michigan Electric Company (the licensee) dated June 2, 1978, as supplemented by letters dated July 21, 1978, August 18, 1978, October 5, 1978, and September 22, 1980, 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.

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2. Accordingly, the license is amended by deletion of License Condition 4 of Amendment No. 6 issued June 16, 1978 regarding replacement of some Foxboro transmitters and qualification of Barton 764 transmitters.
3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 22, 1985



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 70 TO FACILITY OPERATING LICENSE NO. DPR-74  
INDIANA AND MICHIGAN ELECTRIC COMPANY  
DONALD C. COOK NUCLEAR PLANT UNIT NO. 2  
DOCKET NO. 50-316

INTRODUCTION

In License Amendment No. 6 issued June 16, 1978, License Condition Number 4<sup>F</sup> was included as follows:

- "A. Indiana and Michigan Power Company\* shall, prior to startup following the next regularly scheduled refueling outage, replace all Foxboro E13D and E11GM transmitters in safety-related circuits inside containment with transmitters qualified by sequential environmental testing in accordance with IEEE 323-1971.
- B. Indiana and Michigan Power Company\* shall, prior to October 1, 1978, complete and document for staff review and approval sequential environmental qualification testing in accordance with IEEE 323-1971 of the Barton 764 transmitters used in safety-related circuits inside containments."

By letters dated June 2, 1978, July 21, 1978, August 18, 1978, October 5, 1978 and September 22, 1980, Indiana and Michigan Electric Company (the licensee) reported on the replacement of the Foxboro transmitters and qualification of the Barton 764 transmitters in safety related circuits inside containment. These requirements formed the forerunners to the 10 CFR 50.49 regulation on "Environmental Qualification of Electrical Equipment Important to Safety For Nuclear Power Plants."

EVALUATION

The licensee has completed the replacement of the Foxboro E13DM and E11GM transmitters in safety-related circuits inside containment with qualified transmitters. This completes license condition 4A and is acceptable.

The Barton 764 transmitters and the replacement transmitters for the above Foxboro transmitters, among other components, have been the subject of the Environmental Qualification Program at the Donald C. Cook Nuclear Station.

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\* Utility name changed to Indiana and Michigan Electric Company. License was amended accordingly.

On January 11, 1985, in a letter from S. A. Varga to J. Dolan, the NRC approved the Environmental Qualification Program for Cook. The Safety Evaluation enclosed with the letter addressed the proposed resolution of the known deficiencies and concluded that the licensee's program was in compliance with the requirements of 10 CFR 50.49. On March 1, 1985, in a letter to the licensee, the NRC addressed the latest request for a deadline extension for qualification of equipment at Cook. One of the items involves relocating specific ITT Barton transmitters to outside of containment. The Unit 1 transmitters will be relocated in the current ongoing refueling outage. The Unit 2 transmitters will be relocated during the refueling outage scheduled to begin in November 1985. The NRC has found this acceptable and so notified the licensee in the March 1, 1985 letter.

#### SUMMARY

On the basis that the Foxboro transmitters have been replaced and the Barton transmitters are subject to 10 CFR 50.49, are part of the approved Environmental Qualification Program at Cook, and approval has been granted for certain Barton transmitters to be relocated outside containment under an approved schedule, we find that the licensee has met the requirements of License Condition 4 of Amendment 6 issued June 16, 1978 and this License Condition may be deleted. This deletion will not affect in any way the current approvals or 10 CFR 50.49 requirements.

#### 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 increase in the amounts, and no significant change in the types, 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 Sec 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.

#### CONCLUSION

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.

Dated: July 22, 1985

PRINCIPAL CONTRIBUTOR:

D. Wigginton