

Docket Nos.: 50-315  
and 50-316

February 28, 1987

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. 101 to Facility Operating License No. DPR-58 and Amendment No. 87 to Facility Operating License No. DPR-74 for the Donald C. Cook Nuclear Plant, Unit Nos. 1 and 2. The amendments consist of changes to the Technical Specifications in partial response to your application transmitted by letters dated January 9, 1987 and January 13, 1987.

These amendments delete the February 28, 1987 date from the footnote on Technical Specification 3.9.7 on crane travel in the spent fuel pool building.

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

Sincerely,


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D. L. Wigginton, Project Manager  
PWR Project Directorate #4  
Division of PWR Licensing-A


Enclosures:


1. Amendment No. 101 to DPR-58
2. Amendment No. 87 to DPR-74
3. Safety Evaluation

cc: w/enclosures  
See next page

  
PWR#4/DPWR-A  
DWigginton/rad  
02/11/87

  
PSB/dPWR-A  
CMcCracken  
02/11/87

  
PWR#4/DPWR-A  
MDuncan  
02/11/87

  
PWR#4/DPWR-A  
BJYoungblood  
02/11/87

8703060259 870228  
PDR ADOCK 05000315  
PDR

Mr. John Dolan  
Indiana and Michigan Electric Company

Donald C. Cook Nuclear Plant

cc:  
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Vice President  
Nuclear Operations  
American Electric Power Service  
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1 Riverside Plaza  
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Washington, DC 20515

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Monitoring Section Office  
Division of Radiological Health  
Department of Public Health  
3500 N. Logan Street  
Post Office Box 30035  
Lansing, Michigan 48909



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

INDIANA AND MICHIGAN ELECTRIC COMPANY

DOCKET NO. 50-315

DONALD C. COOK NUCLEAR PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 101  
License No. DPR-58

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Indiana and Michigan Electric Company (the licensee) dated January 9, 1987 and January 13, 1987, 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. DPR-58 is hereby amended to read as follows:

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PDR ADOCK 05000315  
P PDR

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 101, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The Technical Specification changes are to become effective within 45 days of receipt of this amendment.
4. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

151  
Dave L. Wigginton, Project Manager  
PWR Project Directorate #4  
Division of PWR Licensing-A

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 28, 1987

*[Signature]*  
PWR#4/DPWR-A  
DWigginton/rad  
02/11/87

*[Signature]*  
PWR#4/DPWR-A  
MDuncan  
02/11/87

*[Signature]*  
PWR#4/DPWR-A  
BJYoungblood  
02/11/87

*[Signature]*  
OGC-Bethesda  
M. Korman  
02/11/87  
*[Signature]*

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on 50K  
Don't issue before  
intercepted  
appears  
JL*



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. 87  
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 January 9, 1987 and January 13, 1987, 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. DPR-74 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 87, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The Technical Specification changes are to become effective within 45 days of receipt of this amendment.
4. This license amendment is effective as of the date of its issuance.


FOR THE NUCLEAR REGULATORY COMMISSION


151


Dave L. Wigginton, Project Manager  
PWR Project Directorate #4  
Division of PWR Licensing-A

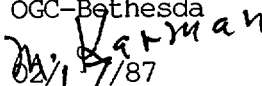
Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 28, 1987

  
PWR#4/DPWR-A  
DWigginton/rad  
02/11/87

  
PWR#4/DPWR-A  
MDuncan  
02/11/87

  
PWR#4/DPWR-A  
BYoungblood  
02/11/87

OGC-Bethesda  
  
02/11/87

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 101 FACILITY OPERATING LICENSE NO. DPR-58

AMENDMENT NO. 87 FACILITY OPERATING LICENSE NO. DPR-74

DOCKET NOS. 50-315 AND 50-316

Revise Appendix A as follows:

Remove Pages

Insert Pages

Unit 1

3/4 9-8

3/4 9-8

Unit 2

3/4 9-7

3/4 9-7

## REFUELING OPERATIONS

### CRANE TRAVEL - SPENT FUEL STORAGE POOL BUILDING\*

#### LIMITING CONDITION FOR OPERATION

3.9.7 Loads in excess of 2500 pounds<sup>\*\*</sup> shall be prohibited from travel over fuel assemblies in the storage pool. Loads carried over the spent fuel pool and the heights at which they may be carried over racks containing fuel shall be limited in such a way as to preclude impact energies over 24,240 in.-lbs., if the loads are dropped from the crane.

APPLICABILITY: With fuel assemblies in the storage pool.

#### ACTION:

With the requirements of the above specification not satisfied, place the crane load in a safe condition. The provisions of Specification 3.0.3 are not applicable.

#### SURVEILLANCE REQUIREMENTS

4.9.7.1 Crane interlocks and physical stops which prevent crane travel with loads in excess of 2500 pounds over fuel assemblies shall be demonstrated OPERABLE within 7 days prior to crane use and at least once per 7 days thereafter during crane operation.

4.9.7.2 The potential impact energy due to dropping the crane's load shall be determined to be  $\leq$  24,240 in.-lbs. prior to moving each load over racks containing fuel.

\*Shared system with D. C. Cook - Unit 2

\*\*This does not include the main load block, which weighs approximately 4.25 tons. Whenever the load block is moved over the pool, the main hoist must be deenergized and be carrying no load.



## REFUELING OPERATIONS

### CRANE TRAVEL - SPENT FUEL STORAGE POOL BUILDING\*

#### LIMITING CONDITION FOR OPERATION

3.9.7 Loads in excess of 2,500<sup>\*\*</sup> pounds shall be prohibited from travel over fuel assemblies in the storage pool. Loads carried over the spent fuel pool and the heights at which they may be carried over racks containing fuel shall be limited in such a way as to preclude impact energies over 24,240 in.-lbs., if the loads are dropped from the crane.

APPLICABILITY: With fuel assemblies in the storage pool.

#### ACTION:

With the requirements of the above specification not satisfied, place the crane load in a safe condition. The provisions of Specification 3.0.3 are not applicable.

#### SURVEILLANCE REQUIREMENTS

4.9.7.1 Crane interlocks and physical stops which prevent crane travel with loads in excess of 2,500 pounds over fuel assemblies shall be demonstrated OPERABLE within 7 days prior to crane use and at least once per 7 days thereafter during crane operation.

4.9.7.2 The potential impact energy due to dropping the crane's load shall be determined to be  $\leq$  24,240 in.-lbs. prior to moving each load over racks containing fuel.

\*Shared system with D. C. COOK - UNIT 1

\*\*This does not include the main load block, which weighs approximately 4.25 tons. Whenever the load block is moved over the pool, the main hoist must be deenergized and be carrying no load.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 101 TO FACILITY OPERATING LICENSE NO. DPR-58  
AND AMENDMENT NO. 87 TO FACILITY OPERATING LICENSE NO. DPR-74  
INDIANA AND MICHIGAN ELECTRIC COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-315 AND 50-316

INTRODUCTION

By license amendments numbers 93 and 79 issued February 24, 1986 to the Indiana and Michigan Electric Company for the Donald C. Cook Nuclear Plant, Units 1 and 2 respectively, the NRC approved a provision to limit crane travel over the spent fuel pool until February 28, 1987. The provision required that the auxiliary building crane main hoist be deenergized and the load blocks unloaded whenever the crane is moved over the spent fuel pool assemblies. The February 28, 1987 expiration date was to allow sufficient time for the licensee to submit a heavy load analysis to support deletion of the provision or Technical Specification changes where appropriate. The analysis was submitted on January 9, 1987. On January 13, 1987, the licensee requested that the expiration date of the provision be deleted, and the remaining conditions of the provision be maintained pending staff's review of the load analysis and that upon NRC approval of the analysis, that the entire provision be deleted. Both aspects of the January 13, 1987 request were covered in the January 28, 1987 Federal Register notice (52 FR 2883). This licensing action concerns only the deletion of the February 28, 1987 expiration date.

EVALUATION

Upon issuance of license amendments 93 and 79, it was recognized that the provision of limiting crane travel with the main hoist deenergized and the load block unloaded was acceptable for a period of time to permit the licensee to properly submit a load analysis. The analysis would show that the provision could be removed in its entirety or that the provision was proper and should be maintained. The licensee has submitted the load analysis by their January 9, 1987 letter, but the staff has not had sufficient time to complete the review by the February 28, 1987 expiration date. We have reviewed the safety evaluation supporting license amendments 93 and 79 and conclude that the basis for the provision is still acceptable and that the provision, without the expiration date, should be maintained until the staff can conclude the review of the January 9, 1987 load analysis. Except for the deletion of the February 28, 1987 expiration date, the limiting provision on the Technical Specifications for crane travel should remain unchanged. Therefore, we find the licensee's proposal to delete the expiration date acceptable.

### ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the installation or use of the facilities' components located within the restricted areas as defined in 10 CFR 20. The staff has determined that these amendments involve 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 these amendments involve no significant hazards consideration, and there has been no public comment on such finding. Accordingly, these amendments meet 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 these amendments.

### 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: D. Wigginton

Dated: February 28, 1987

Dated: February 28, 1987

AMENDMENT NO. 101 TO FACILITY OPERATING LICENSE NO. DPR-58 - DONALD C. COOK, UNIT 1  
AMENDMENT NO. 87 TO FACILITY OPERATING LICENSE NO. DPR-74 - DONALD C. COOK, UNIT 2

DISTRIBUTION: w/enclosures

Docket File

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