

June 24, 1985

Docket No. 50-315

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

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|---------------------|---------------|
| <u>Distribution</u> | Docket file |
| NRC PDR | L PDR |
| ORB#1 RDG | Gray file (4) |
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| EButcher | ACRS (10) |
| OPA, CMiles | RDiggs |

Dear Mr. Dolan:

The Commission has issued the enclosed Amendment No. 84 to Facility Operating License No. DPR-58 for the Donald C. Cook Nuclear Plant, Unit No. 1. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated March 1, 1985.

The amendment changes the Technical Specifications for adjustments in the flow balance for the Safety Injection System.

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/DLWigginton

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

Enclosures:

1. Amendment No. 84 to DPR-58
2. Safety Evaluation

cc: w/enclosures
See next page

ORB#1:DL *cp*
CParrish
04/22/85

DW
ORB#1:DL
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SVarga
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with modifications

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Grains
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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. 84
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 March 1, 1985, 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:

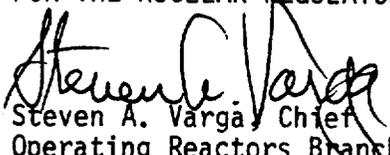
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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 84, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The change in Technical Specifications is to become effective within 60 days of issuance of the amendment.
4. 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: June 24, 1985

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 84 FACILITY OPERATING LICENSE NO. DPR-58

DOCKET NO. 50-315

Revise Appendix A as follows:

Remove Page

3/4 5-6a

Insert Page

3/5 5-6a

EMERGENCY CORE COOLING SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- f. By performing a flow balance test during shutdown following completion of modifications to the ECCS subsystem that alter the subsystem flow characteristics and verifying the following flow rates:

| <u>Boron Injection System Single Pump*</u> | <u>Safety Injection System Single Pump**</u> |
|--|--|
| Loop 1 Boron Injection Flow 117.5 gpm | Loop 1 and 4 Cold Leg Flow \geq 300 gpm |
| Loop 2 Boron Injection Flow 117.5 gpm | Loop 2 and 3 Cold Leg Flow \geq 300 gpm |
| Loop 3 Boron Injection Flow 117.5 gpm | |
| Loop 4 Boron Injection Flow 117.5 gpm | |

* The flow rate in each Boron Injection (BI) line should be adjusted to provide 117.5 gpm (nominal) flow into each loop. Under these conditions there is zero miniflow and 80 gpm simulated RCP seal injection line flow. The actual flow in each BI line may deviate from the nominal so long as the difference between the highest and lowest flow is 10 gpm or less and the total flow to the four branch lines does not exceed 470 gpm. Minimum flow (total flow) required is 345.8 gpm to the three most conservative (lowest flow) branch lines.

**Combined Loop 1, 2, 3, and 4 Cold Leg Flow (single pump) less than or equal to 640 gpm. Total SIS (single pump) flow, including miniflow, shall not exceed 700 gpm.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 84 TO FACILITY OPERATING LICENSE NO. DPR-58

INDIANA AND MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT UNIT NO. 1

DOCKET NO. 50-315

Introduction

By letter dated March 1, 1985, the Indiana and Michigan Electric Company (the licensee) submitted a proposed Technical Specification change to permit operation with increased bypass flow around the Safety Injection Pumps. The increased bypass is necessary to provide adequate heat relief for the pumps while operating in the bypass mode.

Evaluation

In License Amendment Number 64 issued for the Donald C. Cook Plant, Unit No. 2, on June 18, 1984, the NRC approved a similar change to the bypass flow. In that review, the staff found that the analysis performed for Unit 1 was acceptable and that Units 1 and 2 were sufficiently alike that the analysis was also applicable to Unit 2. On that basis, the Unit 2 amendment was approved.

In its March 1, 1985 letter, the licensee now proposes this change in bypass flow for Unit 1 with the commensurate change in a footnote to the Technical Specifications on Safety Injection (SI) pumps.

This footnote places a maximum limit on the flow rate permitted by the SI pumps. The specific changes indicate (1) that combined loops 1, 2, 3 and 4 cold leg flow is to be less than or equal to 640 gpm and (2) that total flow, including miniflow, is not to exceed 700 gpm. With this addition, the Technical Specifications stipulate both the minimum flow requirements to assure core coolability (consistent with FSAR LOCA analyses) and the maximum flow requirements to assure containment integrity (consistent with the assumptions made in the design basis analyses for the containment building).

The staff finds acceptable the licensee's request to upgrade its technical specifications to limit the flow of the safety injection pumps for Unit 1.

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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: June 24, 1985

Principal Contributors:

J. Guttman
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