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

*B Jones (4)*

February 16, 1977

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*Posted*

*AMPT 2/18  
TO DPR-58*

Docket No. 50-315

Indiana & Michigan Electric Company  
Indiana & Michigan Power Company  
ATTN: Mr. John Tillinghast  
Vice President  
P. O. Box 18  
Bowling Green Station  
New York, New York 10004

Gentlemen:

In response to your requests dated July 20, and December 7, 1976, and February 4 and 9, 1977, supplemented by letters dated July 19, October 1, November 5, 17, 23 and 30, December 7, 9 and 13, 1976, and February 8 and 9, 1977, the Commission has issued the enclosed Amendment No. 18 to Facility Operating License No. DPR-58 for the Donald C. Cook Nuclear Plant Unit No. 1.

The amendment consists of license and Technical Specification changes which authorize operation with (1) reactor power levels not in excess of 3250 megawatts (thermal) for core cycle 2 with 65 Exxon Nuclear Company reload fuel assemblies and an Exxon Nuclear Company emergency core cooling system analysis, (2) revised technical specification requirements for the ice condenser system, and (3) modifications to certain electrically operated valves to preclude single failures that would result in loss of emergency core cooling system capacity and to eliminate the need for actuation of these valves by personnel outside the control room. The amendment also corrects minor errors and inconsistencies in the technical specification requirements for containment air recirculation fan response time, containment penetration and valve leakage rates, the audit responsibility of the Nuclear Safety and Design Review Committee, and safety related hydraulic snubbers.

In addition, this amendment updates paragraph 2.D. of the Facility Operating License to reference the latest approved revisions of the security plan for the Donald C. Cook Nuclear Plant.

Some of your proposed Technical Specification changes have been modified to meet our requirements. These modifications have been discussed with and accepted by your staff.

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PDR FOIA  
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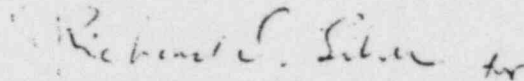
Indiana & Michigan Electric Company  
Indiana & Michigan Power Company

- 2 -

February 16, 1977

Copies of our related Safety Evaluation and Notice of Issuance also are enclosed.

Sincerely,



Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosures:

1. Amendment No. 18 to  
License No. DPR-58
2. Safety Evaluation
3. Notice

Indiana & Michigan Electric Company  
Indiana & Michigan Power Company

- 3 -

February 16, 1977

cc w/enclosures:  
Mr. Robert Hunter  
Vice President  
American Electric Power Service  
Corporation  
2 Broadway  
New York, New York 10004

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Executive Director  
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Chicago, Illinois 60605

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Chief, Energy Systems Analyses  
Branch (AW-459)  
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U. S. Environmental Protection Agency  
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U. S. Environmental Protection Agency  
Federal Activities Branch  
Region V Office  
ATTN: EIS COORDINATOR  
230 South Dearborn Street  
Chicago, Illinois 60604

Mr Wade Schuler, Supervisor  
Lake Township  
Baroda, Michigan 49101

Honorable W. Mabry, Mayor  
City of Bridgman, Michigan 49106

cc w/enclosures and cy of I&M  
filings dtd. 10/1/76; 11/5, 17  
& 23/76; 12/7, 9 & 13/76 and  
2/4, 8 & 9/77:

Mr. William R. Rustem (2)  
Office of the Governor  
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Lansing, Michigan 48913

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