Docket Nos. 50-315 and 50-316

MAR 0 5 1986

Mr. John Dolan, Vice President Indiana and Michigan Electric Company c/o American Electric Power Service Corporation 1 Riverside Plaza Columbus, Ohio 43215

Dear Mr. Dolan:

Subject: Reports on PRA Insights - Donald C. Cook Units 1 and 2

Enclosed are two draft reports concerning technical insights gained from Probabilistic Risk Assessments (PRAs). These reports are the outcome of an ongoing effort to make available and utilize in numerous technical and managerial activities the information in PRAs regarding the factors which dominate the risk associated with nuclear power plants. This effort includes identification of the features of design or operational practices which have been found to be important to safety in the types of plants which have been subjected to risk assessments. In addition, the section on insights into PRA methodologies focuses on areas which are sensitive to the results and the overall perception of plant weaknesses and vulnerabilities.

In particular, these reports contain discussions of: general insights on plant strengths and weaknesses gained from PRAs; the contribution to core melt frequency from classes of sequences induced by various initiating events; modifications, both hardware and procedural, which have been implemented to address problems identified in the conduct or as a result of PRAs; insights into PRA methodologies; and the contribution to measures of risk (core melt frequency and consequences of radioactive releases) from systems, components and events.

These reports are being provided to you, as well as all other licensees, in advance of formal publication for your information. Your comments and suggestions are welcome on these reports.

Sincerely,

Original signed by: D. Hood

B. J. Youngblood, Director PWR Project Directorate #4 Division of PWR Licensing-A, NRR

Enclosures: As stated

cc w/o enclosure:

See next page

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Mr. John Dolan
Indiana and Michigan Electric Company

cc:
Mr. M. P. Alexich
Vice President
Nuclear Operations
American Electric Power Service
Corporation
1 Riverside Plaza
Columbus, Ohio 43215

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Special Assistant to the Governor Room 1 - State Capitol Lansing, Michigan 48909

Nuclear Facilities and Environmental Monitoring Section Office Division of Radiological Health Department of Public Health 3500 N. Logan Street Post Office Box 30035 Lansing, Michigan 48909 Donald C. Cook Nuclear Plant

The Honorable John E. Grotberg United States House of Representatives Washington, DC 20515

Regional Administrator, Region III U.S. Nuclear Regulatory Commission 799 Roosevelt Road Glen Ellyn, Illinois 60137

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American Electric Power
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DOCKET NO(S).: 50-315/316

Mr. John Dolan, Vice Predident Indiana and Michigan Electric Company c/o American Electric Power Service Corp. 1 Riverside Plaza Columbus, Ohio 43215

SUBJECT:

Donald C. Cook Nuclear Plant, Units 1 and 2

The following documents concerning our review of the subject facility are transmitted for your information.
□ Notice of Receipt of Application, dated
☐ Draft/Final Environmental Statment, dated
☐ Notice of Availability of Draft/Final Environmental Statement, dated
☐ Safety Evaluation Report, or Supplement No, dated
☐ Notice of Hearing on Application for Construction Permit, dated
☐ Notice of Consideration of Issuance of Facility Operating License, dated
Rinkekly Notice; Applications and Amendments to Operating Licenses Involving no Significant Hazards Considerations, dated February 26, 1986 (See page 6824)
Application and Safety Analysis Report, Volume
☐ Amendment Noto Application/SAR dated
☐ Construction Permit No. CPPR, Amendment Nodated
☐ Facility Operating License No, Amendment No, dated
☐ Order Extending Construction Completion Date, dated
Other (Specify)
Office of Nuclear Reactor Regulation Enclosures: As stated
cc: See next page
DATE DATE DATE PWR#4/DPWR-A PWR#4/DPWR-A DWigginton DWigginton 03/.3/86.
NRC FORM 318 (1/84) NRCM 0240

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