

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



AUG 22 1990

Docket Nos.: 50-315  
and 50-316

Mr. Milton P. Alexich  
American Electric Power Service Corporation  
Indiana Michigan Power Company  
1 Riverside Plaza  
Columbus, Ohio 43216

Dear Mr. Alexich:

SUBJECT: SAFETY SYSTEM FUNCTIONAL INSPECTION (50-315/90-201; 50-316/90-201)

We are forwarding the report of the safety system functional inspection (SSFI) performed from June 11 through June 22 and July 9 through July 13, 1990, involving activities authorized by Operating Licenses DPR-58 and DPR-74 for Donald C. Cook Nuclear Power Plant, Units 1 and 2. The Nuclear Regulatory Commission (NRC) staff from the Special Inspection Branch of the Office of Nuclear Reactor Regulation, contractor personnel, and Region III personnel conducted this inspection. We discussed the inspection findings with you and members of your staff during an exit meeting on July 13, 1990.

The NRC inspection team assessed the operational readiness and functionality of the essential service water (ESW) system and interacting systems. The team inspected the areas of design, design control, operations, maintenance, and surveillance and testing of the applicable systems. The SSFI team determined that the ESW system had an adequate design capacity to perform its required safety functions. Nevertheless, problems requiring management attention were identified in several areas evaluated by the team. The inspection team was particularly concerned that the input into design calculations for the ESW system was not supported by sufficiently detailed or appropriate independent design verifications. It appeared that your staff had not adequately assessed the safety significance of design calculation deficiencies, determined the need for additional verification of design calculations, and had not initiated prompt corrective actions. These concerns are summarized in the Executive Summary of the enclosed inspection report.

The inspection findings, which are discussed in Section 2 of the report, indicated that certain activities were apparently not conducted in full compliance with NRC requirements. The NRC Region III staff will review these items described in the enclosed inspection report to determine the need for any enforcement action or other actions.

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Mr. Milton P. Alexich

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and its Enclosure will be placed in the NRC Public Document Room.

No response is required to this letter. Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Original signed by

Dennis M. Crutchfield, Director  
Division of Reactor Projects III/IV/V  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
Inspection Report 50-315/90-201  
and 50-316/90-201

cc: See page 3

Distribution: See page 4

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RSIB:DRIS  
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THE UNITED STATES OF AMERICA  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WATER RESOURCES DIVISION

REPORT OF INVESTIGATION  
NO. 42



WATER RESOURCES DIVISION  
BUREAU OF LAND MANAGEMENT  
DEPARTMENT OF THE INTERIOR  
WASHINGTON, D. C.

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Donald C. Cook Nuclear Plant

Mr. Milton P. Alexich  
Indiana Michigan Power Company

cc:

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Mr. Milton P. Alexich

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