

June 29, 1990

Docket File

Docket Nos. 50-315 and 50-316

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

Dear Mr. Alexich:

SUBJECT: D. C. COOK UNITS 1 AND 2 - RESPONSE TO BULLETIN 89-03 (TAC NOS.
75417 AND 75418)

On November 21, 1989, the NRC staff issued Bulletin 89-03, "Potential Loss of Required Shutdown Margin During Refueling Operations." The bulletin requested that all PWR licensees and PWR construction permit holders take the actions described in the bulletin to ensure that an adequate shutdown margin is maintained during all refueling operations. To accomplish this, three actions were described:

1. Assure that any intermediate fuel assembly configuration (including control rods) intended to be used during refueling is identified and evaluated to maintain sufficient refueling boron concentration to result in a minimum margin of approximately 5%.
2. Assure that fuel loading procedures only allow those intermediate fuel assembly configurations that do not violate the allowable shutdown margin and that these procedures are strictly adhered to.
3. Assure that the staff responsible for refueling operations is trained in the procedures recommended in Item 2 above and understand the potential consequences of violating these procedures. This training should include the fundamental aspects of criticality control with enriched fuel assemblies.

By letter dated January 26, 1990 (AEP:NRC:1111), your response to Bulletin 89-03 indicated that programs will be implemented to address all three action described above. Therefore, the staff considers your response to Bulletin 89-03 to be satisfactory and TAC Nos. 75417 and 75418 to be closed.

Sincerely,

/s/

Joseph G. Giitter, Project Manager
Project Directorate III-1
Division of Reactor Projects - III,
IV, V & Special Projects
Office of Nuclear Reactor Regulation

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

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1. Assure that any intermediate fuel assembly configuration (including control rods) intended to be used during refueling is identified and evaluated to maintain sufficient refueling boron concentration to result in a minimum margin of approximately 5%.
2. Assure that fuel loading procedures only allow those intermediate fuel assembly configurations that do not violate the allowable shutdown margin and that these procedures are strictly adhered to.
3. Assure that the staff responsible for refueling operations is trained in the procedures recommended in Item 2 above and understand the potential consequences of violating these procedures. This training should include the fundamental aspects of criticality control with enriched fuel assemblies.

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Sincerely,

A handwritten signature in cursive script, reading "Joseph G. Gitter", is written above the typed name.

Joseph G. Gitter, Project Manager
Project Directorate III-1
Division of Reactor Projects - III,
IV, V & Special Projects
Office of Nuclear Reactor Regulation

Mr. Milton Alexich
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

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