

August 13, 1990

Docket Nos. 50-315
and 50-316

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

Dear Mr. Alexich:

SUBJECT: NRC BULLETIN 88-11, "PRESSURIZER SURGE LINE THERMAL STRATIFICATION" -
EVALUATION OF WESTINGHOUSE OWNERS GROUP BOUNDING ANALYSIS (TAC NOS.
72125 AND 72126)

By letter dated March 6, 1989 (AEP:NRC:1086), Indiana Michigan Power Company responded to item 1.b of NRC Bulletin 88-11, "Pressurizer Surge Line Thermal Stratification." Your letter stated that a bounding analysis being performed by the Westinghouse Owners Group (WOG) is applicable to D. C. Cook Units 1 and 2, and that plant-specific analyses performed to-date by members of the WOG had shown that no immediate remedial actions were necessary. Your May 31, 1989 Justification for Continued Operation (AEP:NRC:1086A) stated that the WOG bounding analysis indicated that under worst-case conditions, no more than approximately 50% of the fatigue life of the pressurizer surge line had been used. The report stated that the integrity of the pressurizer surge line was adequate to justify continued operation of your facility for at least several years.

The staff has completed its review of the WOG bounding analysis and concludes that there are no short-term safety concerns associated with the thermal stratification effects for a duration of 10 additional heatup/cool-down cycles of continued plant operation. A copy of the evaluation which was sent to the WOG is enclosed for your information.

The staff will assess the conformance of the pressurizer surge line to applicable Codes and regulatory requirements for 40-year plant life when the WOG report regarding Item 1.d of the Bulletin is submitted.

Sincerely,

(Handwritten signature)

Timothy G. Colburn, Sr. Project Manager
Project Directorate III-1
Division of Reactor Projects III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

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COOK BULLETIN 8811



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

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

Dear Mr. Alexich:

SUBJECT: NRC BULLETIN 88-11, "PRESSURIZER SURGE LINE THERMAL STRATIFICATION" -
EVALUATION OF WESTINGHOUSE OWNERS GROUP BOUNDING ANALYSIS (TAC NOS.
72125 AND 72126)

By letter dated March 6, 1989 (AEP:NRC:1086), Indiana Michigan Power Company responded to item 1.b of NRC Bulletin 88-11, "Pressurizer Surge Line Thermal Stratification." Your letter stated that a bounding analysis being performed by the Westinghouse Owners Group (WOG) is applicable to D. C. Cook Units 1 and 2, and that plant-specific analyses performed to-date by members of the WOG had shown that no immediate remedial actions were necessary. Your May 31, 1989 Justification for Continued Operation (AEP:NRC:1086A) stated that the WOG bounding analysis indicated that under worst-case conditions, no more than approximately 50% of the fatigue life of the pressurizer surge line had been used. The report stated that the integrity of the pressurizer surge line was adequate to justify continued operation of your facility for at least several years.

The staff has completed its review of the WOG bounding analysis and concludes that there are no short-term safety concerns associated with the thermal stratification effects for a duration of 10 additional heatup/cool-down cycles of continued plant operation. A copy of the evaluation which was sent to the WOG is enclosed for your information.

The staff will assess the conformance of the pressurizer surge line to applicable Codes and regulatory requirements for 40-year plant life when the WOG report regarding Item 1.d of the Bulletin is submitted.

Sincerely,

Timothy G. Colburn
Timothy G. Colburn, Sr. Project Manager
Project Directorate III-1
Division of Reactor Projects III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Mr. Milton Alexich
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

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