



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 28, 1993

Docket Nos. 50-315
and 50-316

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

Dear Mr. Fitzpatrick:

SUBJECT: DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2 - RESPONSE TO GENERIC LETTER 92-08, "THERMO-LAG 330-1 FIRE BARRIERS," (TAC NOS. M85538 AND M85539)

By letter dated April 16, 1993, you provided a response to Generic Letter (GL) 92-08 for Donald C. Cook Nuclear Plant, Units 1 and 2 (D. C. Cook). Your response stated that the Thermo-Lag 330-1 fire barrier systems installed at D. C. Cook were selected based upon guidance provided by the NRC during workshops conducted in 1984 and qualification test reports and other literature received from Thermal Science Incorporated (TSI). However, given the questions that have recently arisen concerning the performance of the material and the conduct of previous tests, you could not confirm that the fire barrier systems have been qualified by representative fire endurance tests. You stated that the fire barrier configurations installed in D. C. Cook represent, in general, the materials, workmanship, methods of assembly, dimensions, and configurations described in the TSI technical notes and test reports. You also stated that deviations from the TSI installation procedures were evaluated and documented. You reported that ampacity derating factors were considered as part of the design change that installed Thermo-Lag 330-1 material on cable raceways and that calculations using a computer model confirmed that the original cable raceway design included sufficient margin to accommodate the temperature rise resulting from wrapping raceways with Thermo-Lag. You further stated that appropriate actions to resolve fire barrier concerns are being developed through an industry program coordinated by NUMARC and you would apply the results of the industry program, when completed. Your response stated that you would provide us a schedule by which any necessary corrective actions would be completed 120 days after the NUMARC program is concluded and that compensatory measures have been taken in accordance with plant technical specifications, as previously described.

In your response to GL 92-08 you indicated that the actions necessary to restore (or to confirm) the operability of these barriers will be based on the results of the NUMARC program. The staff expects that licensees referencing the NUMARC program will review the results and, within 30 days after the

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Mr. E. E. Fitzpatrick

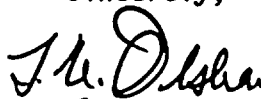
- 2 -

May 28, 1993

completion of the program, inform the NRC of the actions necessary and the schedule for restoring the operability of these fire barriers. This includes those plant specific or unique fire barrier configurations that are not bound by the NUMARC program. In accordance with the reporting requirements of GL 92-08, you are also to confirm in writing, completion of the corrective actions.

The information requested by this letter is within the scope of the overall burden estimated in Generic Letter 92-08, which was an average of 300 person-hours for each addressee's response. This request is covered by Office of Management and Budget Clearance Number 3150-0011, which expires June 30, 1994.

Sincerely,



J. M. Olson
for

William M. Dean, Sr. Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

Mr. E. E. Fitzpatrick

- 2 -

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Sincerely,

151

William M. Dean, Sr. Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

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<u>Docket File</u>	NRC & Local PDRs
PD3-1 Reading File	J. Zwolinski
L. Marsh	M. Shuttleworth
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A. Masciantonio 12/B/4	S. West 8/D/1
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OFFICE	LA:PDIII-1*	PM:PDIII-1	BC:SPLB*	BC:EELB*	PD:PDIII-1
NAME	MShuttleworth	WDean:jkd	CMcCracken	CBerlinger	LMarsh
DATE	5/24/93	5/28/93	5/17/93	5/21/93	5/28/93
COPY	YES/NO	YES/NO	YES/MO	YES/NO	YES/NO

OFFICE	PMAS:ILPD*
NAME	AMasciantonio:jkd
DATE	5/13/93
COPY	Yes/No

Mr. E. E. Fitzpatrick
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:

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