

October 9, 1990

Docket No. 50-315

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: REQUEST FOR ADDITIONAL INFORMATION - D. C. COOK UNIT 1 STEAM
GENERATOR TUBE SLEEVING AMENDMENT REQUEST (TAC NO. 77109)

By letter dated June 27, 1990 (AEP:NRC:1129), you requested a license amendment for the D. C. Cook Nuclear Plant, Unit No. 1 which would allow repair of steam generator tubes by sleeving. We have reviewed your request and have determined that additional information identified in the enclosure to this letter is required for the staff to complete its review. This information has been discussed previously with your staff by telecon. This letter constitutes our formal request.

Please respond expeditiously, in order to allow the staff to complete its review prior to your upcoming Unit 1 refueling outage.

This request for information affects fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

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

Enclosure:
Request for Additional
Information

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
October 9, 1990

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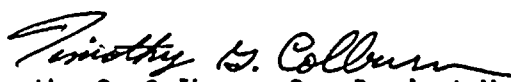
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cc: See next page

Mr. Milton Alexich
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:
Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
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Glen Ellyn, Illinois 60137

Mr. S. Brewer
American Electric Power
Service Corporation
1 Riverside Plaza
Columbus, Ohio 43216

Attorney General
Department of Attorney General
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Lansing, Michigan 48913

Township Supervisor
Lake Township Hall
Post Office Box 818
Bridgman, Michigan 49106

Al Blind, Plant Manager
Donald C. Cook Nuclear Plant
Post Office Box 458
Bridgman, Michigan 49106

U.S. Nuclear Regulatory Commission
Resident Inspectors Office
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Gerald Charnoff, Esquire
Shaw, Pittman, Potts and Trowbridge
2300 N Street, N.W.
Washington, DC 20037

Mayor, City of Bridgman
Post Office Box 366
Bridgman, Michigan 49106

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

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

INDIANA MICHIGAN POWER COMPANY

COOK UNIT 1

I. The following questions refer to CEN-313-P Revision 4-P.

- 1) Section 4.0 discusses coordinated phosphate chemistry for secondary side water which is no longer used. Provide a discussion of the basis for use of Alloy 690 in current AVT secondary water chemistry and in primary water side service.
- 2) Section 4.3 discusses the use of a post weld heat treatment (PWHT) for the sleeve upper weld. It is stated that the PWHT is used at the option of the utility. We are concerned that the heat effect of the sleeve weld may reduce the corrosion resistance of the underlying tube. Please provide test information justifying the omission of a PWHT, if PWHT is not used. Include justification of the time and temperature cycle to be used. Describe any residual stress measurements that have been performed.
- 3) Please provide the most current data from the pure water stress corrosion cracking tests described under Section 6.2.3.
- 4) It is stated in Section 9.3 that sleeves that do not pass the ultrasonic and visual inspections for leak tightness, may be accepted by the licensee as "potentially leak-limiting." If this is the licensee's policy, please provide a basis for their use in Cook Unit 1.
- 5) Describe your program to maintain awareness of the state of the art in the nondestructive testing of steam generator tubes and your commitment to the utilization of improved inspection methods as they become commercially available.

