

June 6, 1989

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

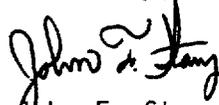
Dear Mr. Alexich:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDINGS OF NO SIGNIFICANT IMPACT
(TAC NO. 71062) - D. C. COOK NUCLEAR PLANT, UNIT 1

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated October 14, 1988 and supplemented by your letter dated December 30, 1988, and June 5, 1989, for an amendment to change sections of the D. C. Cook Technical Specifications to reflect the operation of Unit 1 at reduced primary coolant system temperature and pressure. The reduced temperature and pressure program will reduce the amount of stress corrosion cracking of the steam generator U-tubes as observed on Unit 2 in the past.

This assessment has been forwarded to the Office of the Federal Register for publication.

Sincerely,



John F. Stang, Project Manager
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: w/enclosure:

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5520 TITLE: COOK EA 71062

*See previous concurrence

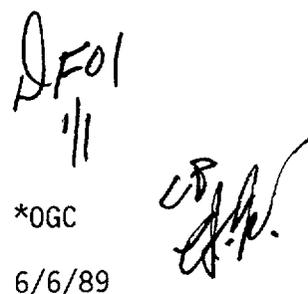
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LYANDELL
6/6/89

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Concur subject to change Jim 6/6/89

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
June 6, 1989

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Mr. Milton Alexich
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:

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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

UNITED STATES NUCLEAR REGULATORY COMMISSIONINDIANA MICHIGAN POWER COMPANYDONALD C. COOK NUCLEAR PLANT, UNIT NO. 1DOCKET NO. 50-315ENVIRONMENTAL ASSESSMENT AND FINDING OFNO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-58 issued to the Indiana Michigan Power Company, the licensee, for operation of the Donald C. Cook Nuclear Plant, Unit No. 1, located in Berrien County, Michigan.

ENVIRONMENTAL ASSESSMENTIdentification of Proposed Action:

The proposed amendment would revise the D. C. Cook Nuclear Plant, Unit No. 1 Technical Specifications to allow operation of the primary coolant system under reduced temperature and pressure (RTP) conditions. The proposed RTP program will reduce the amount of stress corrosion cracking of steam generator U-tubes similar to that observed on the Unit 2 steam generators.

The proposed amendment is in accordance with the licensee's application for amendment dated October 14, 1988 as supplemented by a letter dated December 30, 1988, and June 5, 1989.

The need for the Proposed Action:

The proposed change by the licensee reduces the amount of stress corrosion cracking of steam generator U-tubes; therefore, reduces the propensity for primary to secondary leaks due to cracking of steam generator U-tubes. Additionally, the proposed RTP program is expected to increase the life of the Unit 1 steam generators significantly.

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Environmental Impact of the Proposed Action:

The Commission has completed its evaluation of the proposed revisions to the Technical Specifications. The staff concludes that the safety consideration associated with operation at the proposed reduced temperatures and pressures would not adversely affect plant safety. The proposed changes have no adverse effect on the probability or consequences of any accident previously analyzed. No changes are being made in the types or amounts of any radiological effluents that may be released offsite. There is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant environmental impact.

With regard to potential non-radiological impacts, the proposed amendment involves systems within the restricted area as defined in 10 CFR Part 20. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed amendment.

The Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on April 19, 1989 (54 FR 15851). No request for hearing or petition for leave to intervene was filed following this notice.

Alternative to the Proposed Action:

Since the Commission has concluded that there are no significant environmental effects that would result from the the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

The principal alternative would be to deny the requested amendment. This would not reduce the environmental impacts but would result in reduced operational flexibility.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for Donald C. Cook Nuclear Plant, Units 1 and 2, dated August 1973.

Agencies and Persons Consulted:

The Commission's staff reviewed the licensee's request and did not consult other agencies or persons with exception to clarify certain portions of the licensee's proposal.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed license amendment .

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated October 14, as supplemented by letter dated December 30, 1988, and June 5, 1989, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, NW., Washington, DC, and at the Maude Preston Palenske Memorial Library, 500 Market Street, St. Joseph, Michigan 49085.

Dated at Rockville, Maryland this 56th day of June.

FOR THE NUCLEAR REGULATORY COMMISSION



Lawrence A. Yandell, Acting Director
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects
Office of Nuclear Reactor Regulation