

November 9, 1989

Docket Nos. 50-315/316

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

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GPA/PA

Dear Mr. Alexich:

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT -  
DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2 (TAC NOS. 73280 AND  
73281)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated January 27, 1989, for an amendment to change the Technical Specifications (TS) in order to allow a portion of the Waste Gas Holdup System Explosive Monitoring System to be inoperable for 160 days on a one-time basis so that it may be replaced. The amendment also would make some editorial changes.

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

Sincerely,

*Joseph G. Gitter*

Joseph G. Gitter, 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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*CP*  
*[Signature]*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
November 9, 1989

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Indiana Michigan Power Company  
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A handwritten signature in cursive script that reads "Joseph G. Giitter".

Joseph G. Giitter, 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:  
See next page

Mr. Milton Alexich  
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:  
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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 COMMISSION  
INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNITS 1 & 2  
DOCKET NOS. 50-315 AND 50-316  
ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License Nos. DPR-58 and DPR-74, issued to Indiana Michigan Power Company, (the licensee), for operations of the Donald C. Cook Nuclear Plant Units 1 and 2, located in Berrien County, Michigan.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action

The proposed amendment would revise the provisions in the Technical Specifications (TS) relating to Waste Gas Holdup System hydrogen and oxygen monitoring to allow part of the system to be inoperable while it is replaced.

The proposed action is in accordance with the licensee's application for amendment dated January 27, 1989.

The Need for the Proposed Action

The proposed change to the TS is required in order to allow a portion of the Waste Gas Holdup System Explosive Monitoring System to be inoperable for 160 days on a one-time basis so that it may be replaced. The amendment also would make some editorial changes.

Environmental Impacts of the Proposed Action

The Commission has completed its evaluation of the proposed revision to TS and concludes that the proposed change does not involve a significant hazards

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consideration. The staff has determined that the extended interval of time in which the oxygen and hydrogen monitor will be out of service for the replacement effort does not involve a significant increase in the probability or consequences of an accident, no changes are being made in the types of any effluents that may be released offsite, and 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 radiological environmental impact.

With regard to potential non-radiological impacts, the proposed change to the TS involves a change in the installation or use of a facility component located within the restricted area as defined by 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.

#### Alternatives to the Proposed Action

Since the Commission concluded that there are no significant environmental effects that would result from 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 environmental impacts of plant operation and would result in reduced operational flexibility.

#### Alternatives Use of Resources:

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

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

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.

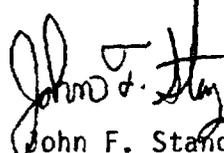
Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

The Notice of Consideration of Issuance of Amendment and Opportunity for Prior Hearing in connection with this action was published in the Federal Register on August 18, 1989 (54 FR 34267). No request for hearing or petition for leave to intervene was filed following this notice.

For further details with respect to this action, see the application for amendment dated January 27, 1989, which is available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. and at the Maude Preston Polenske Memorial Library in St. Joseph, Michigan.

Dated at Rockville, Maryland, this 9th day of November, 1989.

FOR THE NUCLEAR REGULATORY COMMISSION



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