

August 24, 1989

Docket No. 50-341

Mr. B. Ralph Sylvia  
Senior Vice President - Nuclear  
Operations  
Detroit Edison Company  
6400 North Dixie Highway  
Newport, Michigan 48166

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Dear Mr. Sylvia:

SUBJECT: FERMI-2 - TRANSMITTAL OF ENVIRONMENTAL ASSESSMENT (TAC NO. 73340)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated May 11, 1989, to revise the Technical Specifications (TS) for the Standby Liquid Control System to reflect the use of sodium pentaborate enriched with the Boron-10 isotope in accordance with 10 CFR 50.62. In addition, inconsistencies between Action Statements in TS Section 3/4.1.5 and 3/4.8.4.5 are corrected.

The assessment has been sent 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:  
See next page

FERMI2 EA TAC 73340

*for*  
LA/PD31:DRSP  
PShuttleworth  
08/12/89

PM/PD31:DRSP  
JStang  
08/14/89

(A)D/PD31:DRSP  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

August 24, 1989

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Senior Vice President - Nuclear  
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Detroit Edison Company  
6400 North Dixie Highway  
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The assessment has been sent to the Office of the Federal Register for publication.

Sincerely,

A handwritten signature in cursive script, appearing to read "John F. Stang".

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:  
See next page

Mr. B. Ralph Sylvia  
Detroit Edison Company

Fermi-2 Facility

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

U.S. NUCLEAR REGULATORY COMMISSION  
DETROIT EDISON COMPANY  
WOLVERINE POWER SUPPLY COOPERATIVE, INC.  
DOCKET NO. 50-341  
FERMI-2  
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 No. NPF-43, issued to the Detroit Edison Company (DECo) and the Wolverine Power Supply Cooperative, Incorporated (the licensees) for the operation of Fermi-2 located in Monroe County, Michigan.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendment would revise the Technical Specifications (TS) to reflect the use of sodium pentaborate enriched with the Boron-10 isotope to meet the requirements of the Anticipated Transient Without Scram (ATWS) Rule, 10 CFR 50.62. The proposed change also corrects some inconsistencies between Action Statements in Sections 3/4.1.5 and 3/4.8.4.5.

The proposed action is in accordance with the licensees' application for amendment dated May 11, 1989.

The Need for the Proposed Action:

The proposed changes to the TS are required in order to meet the requirements of the Anticipated Transient Without Scram (ATWS) Rule, 10 CFR 50.62.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revision to the TS. The proposed revision would reflect the use of sodium pentaborate enriched with the Boron-10 isotope to enhance the SLCS to meet the ATWS Rule,

10 CFR 50.62. The proposed revision would also modify the TS Actions and Surveillance Requirements to be consistent with the use of enriched Boron. The use of enriched Boron also reduces the required concentration of sodium pentaborate which causes the solution saturation temperature to decrease. This eliminates the need for supplemental heat tracing and the proposed TS reflect this by eliminating the requirements for heat tracing. Therefore, the proposed changes do not increase the probability or consequences of any accidents, 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 impact and could result in the reduction of the radiological impacts.

With regard to potential nonradiological impacts, the proposed changes to the TS involve systems located within the restricted area as defined in 10 CFR Part 20. They do not affect nonradiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological 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 July 11, 1989 (54 FR 29118). No request for hearing or petition for leave to intervene was filed following this notice.

Alternative to the Proposed Action:

Because the Commission has concluded that there is no significant environmental impact associated with the proposed amendment, any alternative would have either no or greater environmental impact. The principal

alternative would be to deny the requested amendment. This would prevent compliance with the ATWS rule, 10 CFR 50.62.

Alternative Use of Resources:

This action involves no use of resources not previously considered in connection with the "Final Environmental Statement Related to Operation of Fermi-2," dated August 1981.

Agencies and Persons Consulted

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

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, the Commission concludes 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 May 11, 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 Monroe County Library System, 3700 South Custer Road, Monroe, Michigan 48161.

Dated at Rockville, Maryland, this 24th day of August 1989.

FOR THE NUCLEAR REGULATORY COMMISSION



Albert De Agazio, Acting Director  
Project Directorate III-1  
Division of Reactor Projects - III,  
IV, V & Special Projects  
Office of Nuclear Reactor Regulation