

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. 72759)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated December 22, 1989, to revise the Technical Specifications for Isolation Actuation Instrumentation. The table entries previously listed in a section entitled "Containment Isolation" are separated into two sections; one for Primary Containment and one for Secondary Containment isolation functions. Revisions to table entries, table notations and nomenclature are made to either more clearly reflect the plant configuration, remove duplication or ambiguity, or reflect the new sections of the table. Provisions have been included to allow routine testing of the Reactor Water Cleanup system without necessitating removal of the system from service. In addition, the definition of Channel Calibration is revised to better reflect standard industry practice.

The assessment has been sent to the Office of the Federal Register for publication.

Sincerely,

original signed by

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 72759

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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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Sincerely,

A handwritten signature in black ink, appearing to read "John F. Stang", is written over the typed name.

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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Glen Ellyn, Illinois 60137

U.S. NUCLEAR REGULATORY COMMISSIONDETROIT EDISON COMPANYWOLVERINE POWER SUPPLY COOPERATIVE, INC.DOCKET NO. 50-341FERMI-2ENVIRONMENTAL 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. 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 ASSESSMENTIdentification of Proposed Action:

The proposed amendment would revise the Technical Specifications (TS) for Isolation Actuation Instrumentation. The table entries previously listed in a section entitled "Containment Isolation" are separated into two sections; one for Primary Containment and one for Secondary Containment isolation functions. Revisions to table entries, table notations and nomenclature are made to either more clearly reflect the plant configuration, remove duplication or ambiguity, or reflect the new sections of the table. Provisions have been included to allow routine testing of the Reactor Water Cleanup system without necessitating removal of the system from service. In addition, the definition of Channel Calibration is revised to better reflect standard industry practice.

The proposed action is in accordance with the licensees' application for amendment dated December 22, 1988.

The Need for the Proposed Action:

The proposed changes to the TS are required in order to provide clearer, more usable TS requirements which more clearly reflect the plant configuration.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revision to the TS. The proposed revision would separate the requirements currently grouped together under Table Sections entitled "Containment Isolation" into two sections; one for Primary Containment and one for Secondary Containment isolation functions. Table entries, table notations and nomenclature are revised to more clearly reflect the plant configuration, remove duplication or ambiguity or reflect the new table sections. These above changes are proposed to improve the ability of the plant operators to effectively use the TS and do not modify the intended isolation actuation instrumentation requirements. New provisions have been proposed to allow routine testing of the Reactor Water Cleanup System (RWCS) without necessitating removal of the RWCS from service provided other means of accomplishing the function under test is provided during the test period. This will reduce the probability of RWCS failure and subsequent potential radiological release due to cyclic fatigue from frequent RWCS shutdowns for testing. In addition, the definition of Channel Calibration is revised solely to better reflect standard industry practice by including specific provisions for channels with Resistance Temperature Detector or Thermocouple sensors. 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 June 26, 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 not provide the safety benefits of clearer, more usable TS requirements or eliminate the potential cyclic fatigue of frequent RWCS shutdowns for testing.

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

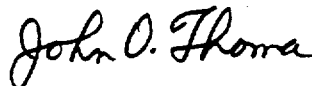
The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

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 December 22, 1988, 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



John O. Thoma, Acting Director  
Project Directorate III-1  
Division of Reactor Projects - III,  
IV, V & Special Projects  
Office of Nuclear Reactor Regulation