

August 22, 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. 72982)

Enclosed is a copy of an "Environmental Assessment and Finding of No Significant Impact" for your information. This assessment relates to your application dated April 3, 1989, to revise the Technical Specifications to reflect modifications which are to be made to the actuation logic for the Automatic Depressurization System (ADS). The ADS will be modified in accordance with TMI Action Plan, Item II.K.3.18 of NUREG-0737.

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

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

August 22, 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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The assessment has been sent to the Office of the Federal Register for publication.

Sincerely,

A handwritten signature in cursive script that reads "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

cc:

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Glen Ellyn, Illinois 60137

U.S. NUCLEAR REGULATORY COMMISSIONDETROIT EDISON COMPANYWOLVERINE POWER SUPPLY COOPERATIVE, INCORPORATEDDOCKET 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) to reflect modifications which are to be made to the actuation logic for the Automatic Depressurization System (ADS). The ADS will be modified in accordance with Three Mile Island Action Plan, Item II.K.3.18 of NUREG-0737.

The proposed action is in accordance with the licensees' application for amendment dated April 3, 1989.

The Need for the Proposed Action:

The proposed changes to the TS are required in order include appropriate requirements in regards to the as-modified ADS design as required by NUREG-0737.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed revision to the TS. The proposed revision would revise TS 3/4.3.3, "Emergency Core Cooling System Actuation Instrumentation," Tables 3.3.3-1, -2 and -3 and

Table 4.3.3-1 to include the addition of drywell pressure-high bypass timers and manual inhibit switches, which are being added to the ADS design. The drywell pressure-high bypass timer functions to provide automatic initiation of ADS for postulated events which currently rely on manual initiation of ADS to prevent core damage. The manual inhibit switches provide a means for the operator to inhibit ADS initiation through a single action when called for by the plant emergency procedures. Currently, a sequence of actions is required to manually inhibit ADS. Administrative changes are proposed to be made to other TS tables and ACTIONS to be consistent with the above changes. 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.

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 result in the TS not correctly reflecting all of the requirements needed for complete operability of the ADS.

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 environment 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.

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 13, 1989 (54 FR 29662). 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 April 3, 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 22nd of August 1989.

FOR THE NUCLEAR REGULATORY COMMISSION

John O. Thoma

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