

January 17, 1990

Docket No. 50-341

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

DISTRIBUTION
Docket File
NRC & Local PDRs
PD31 Plant Gray
JZwolinski
PShuttleworth
GPA/PA
OGC

DHagan
JStang
GHill (4)
Wanda Jones
JCalvo
ACRS (10)
ARM/LFMB
EJordan

Dear Mr. Sylvia:

SUBJECT: AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-43:
(TAC NO. 72047)

The Commission has issued the enclosed Amendment No.48 to Facility Operating License No. NPF-43 for the Fermi-2 facility. This amendment consists of changes to the Plant Technical Specifications in response to your letter dated December 22, 1988.

The amendment revises Technical Specifications (TSs) Section 3/4.8.4.1 - A.C Circuits Inside Primary Containment. The proposed change deletes four circuits from the TSs and supersedes the TS change request of September 25, 1987.

A copy of the Safety Evaluation supporting this amendment is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

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

Enclosures:

1. Amendment No. 48 to NPF-43
2. Safety Evaluation

cc w/enclosures:
See next page

LA/PD31:DRSP
PShuttleworth
11/24/89

RM/PD31:DRSP
REnc 605
11/29/89

PM/PD31:DRSP
JStang
11/27/89

SLEB
FRosa
12/4/89

(A)D/PD31:DRSP
JThoma
12/5/89

OGC

CBatt
11/189

12/14

*Subject to insertion of
Fed. Reg. notice date.*

9001260246 900117
PDR ADOCK 05000341
P PDC

DFol
1/1



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

January 17, 1990

Docket No. 50-341

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

Dear Mr. Sylvia:

SUBJECT: AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-43:
(TAC NO. 72047)

The Commission has issued the enclosed Amendment No. 48 to Facility Operating License No. NPF-43 for the Fermi-2 facility. This amendment consists of changes to the Plant Technical Specifications in response to your letter dated December 22, 1988.

The amendment revises Technical Specifications (TSs) Section 3/4.8.4.1 - A.C. Circuits Inside Primary Containment. The proposed change deletes four circuits from the TSs and supersedes the TS change request of September 25, 1987.

A copy of the Safety Evaluation supporting this amendment is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

A handwritten signature in dark ink, 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

Enclosures:

1. Amendment No. 48 to NPF-43
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. B. Ralph Sylvia
Detroit Edison Company

Fermi-2 Facility

cc:

Mr. Ronald C. Callen
Adv. Planning Review Section
Michigan Public Service Commission
6545 Mercantile Way
P. O. Box 30221
Lansing, Michigan 48909

Ms. Lynn Goodman
Supervisor - Licensing
Detroit Edison Company
Fermi Unit 2
6400 North Dixie Highway
Newport, Michigan 48166

John Flynn, Esq.
Senior Attorney
Detroit Edison Company
2000 Second Avenue
Detroit, Michigan 48226

Nuclear Facilities and Environmental
Monitoring Section Office
Division of Radiological Health
P. O. Box 30035
Lansing, Michigan 48909

Mr. Walt Rogers
U.S. Nuclear Regulatory Commission
Resident Inspector's Office
6450 W. Dixie Highway
Newport, Michigan 48166

Monroe County Office of Civil
Preparedness
963 South Raisinville
Monroe, Michigan 48161

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



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

DETROIT EDISON COMPANY

WOLVERINE POWER SUPPLY COOPERATIVE, INCORPORATED

DOCKET NO. 50-341

FERMI-2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 48
License No. NPF-43

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Detroit Edison Company (the licensee) dated December 22, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-43 is hereby amended to read as follows:

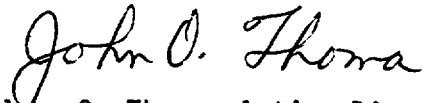
Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 48, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. DECo shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

9001260250 900117
PDR ADOCK 05000341
P PIC

3. This license amendment is effective as of the date of its issuance.

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 17, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 48

FACILITY OPERATING LICENSE NO. NPF-43

DOCKET NO. 50-341

Replace the following page of the Appendix "A" Technical Specifications with the attached page. The revised page is identified by Amendment number and contain a vertical line indicating the area of change.

REMOVE

3/4 8-16

INSERT

3/4 8-16

ELECTRICAL POWER SYSTEMS

3/4.8.4 ELECTRICAL EQUIPMENT PROTECTIVE DEVICES

A.C. CIRCUITS INSIDE PRIMARY CONTAINMENT

LIMITING CONDITION FOR OPERATION

3.8.4.1 At least the following A.C. circuits inside primary containment shall be deenergized*:

- a. Circuit Number 6 in panel 72B-2D
- b. Circuit Numbers 1, 2, 3, 4, 5, 15, 16, 17, 18 in panel R1R

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

With any of the above required circuits energized, open the associated circuit breaker(s) in the specified panel(s) within 1 hour.

SURVEILLANCE REQUIREMENTS

4.8.4.1 Each of the above required A.C. circuits shall be determined to be deenergized at least once per 24 hours** by verifying that the associated circuit breakers are in the off position.

*Except during entry into the drywell.

**Except at least once per 31 days if locked, sealed, or otherwise secured in the tripped condition.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-43

DETROIT EDISON COMPANY

WOLVERINE POWER SUPPLY COOPERATIVE, INCORPORATED

FERMI-2

DOCKET NO. 50-341

1.0 INTRODUCTION

By letter dated December 22, 1988, the Detroit Edison Company (DECo or the licensee) requested amendment to the Technical Specifications (TSs) appended to Facility Operating License No. NPF-43 for Fermi-2. The proposed amendment would revise the Technical Specifications (TSs) Section 3.8.4.1, Circuits Inside Primary Containment, by removing four circuits from the TSs.

2.0 EVALUATION

TSs Section 3.8.4.1 lists non-class 1E circuits inside primary containment. These circuits are required to be de-energized in operational conditions 1, 2 and 3, except when personnel are entering the drywell. The TSs require the circuits to be de-energized because the circuits are not provided with adequate overcurrent protection in accordance with Regulatory Guide 1.63. The TS requirement ensures containment integrity by having the circuits de-energized and avoids the possibility that the circuits could short and cause damage to electrical penetration assemblies that are part of primary containment structure.

On June 19, 1985, while performing the drywell closeout checklist in preparation for plant startup, it was recognized that de-energization of the four (4) circuits described below caused a loss of power for devices and equipment required for subsequent plant operations. During the ensuing investigation, loads from these four (4) circuits were either transferred to circuits which had adequate containment penetration protection or to circuits which did not penetrate primary containment. In both cases the new circuits are not required to be listed in the Technical Specifications.

<u>Previous Source</u>	<u>Loads</u>	<u>New Source</u>
Item (c) Circuit 5 H11-P907B	Standby Liquid Control Testable Check Valve Solenoid and Light Circuit	Circuit 19, H11-P907B (Dual Fusing)
Item (d) Circuit 4 H21-P552	Fuel Pool Alarm Circuits	Circuit 2, H21-P552 (Dual Fusing)

<u>Previous Source</u>	<u>Loads</u>	<u>New Source</u>
Item (e) Circuit 1 H11-P901	Core Spray Testable Check Valve Solenoid and Light Circuit	Circuit 2, H11-P901 (Dual Fusing)
Item (f) Circuit 1 H11-P906C	Area Radiation Monitors Outside of Primary Containment	Circuit 17, H11-P906C (Does not interface with primary containment)

When the design modifications were proposed to relocate the various loads, it was determined by the licensee that no Technical Specification change was required prior to implementation of the modification since the circuits would still be maintained in the Technical Specification surveillance program. Each circuit modification was evaluated in accordance with the design modification process and it was determined that no unreviewed safety questions existed.

The proposed change will delete four (4) circuits which are de-energized spare circuits and have no associated loads connected to them. As spares, these circuits no longer penetrate inside primary containment or affect any penetration assemblies. Since these circuits do not connect to penetration assemblies, they do not need to be de-energized in accordance with or listed in Technical Specification 3.8.4.1.

Based on the above evaluation the staff finds the proposed changes to the TS acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. We have determined that this amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents which may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: John Stang

Dated: January 17, 1990