

July 28, 1988

Docket No. 50-341

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

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Dear Mr. Sylvia:

SUBJECT: AMENDMENT NO. 23 TO FACILITY OPERATING LICENSE NO. NPF-43: RADIOACTIVE
GASEOUS EFFLUENT MONITORING (TAC NO. 66659)

The Commission has issued the enclosed Amendment No. 23 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 November 20, 1987 (NRC-87-0217).

The amendment revises the provisions in the Technical Specifications to
correct an error in Table 3.3.7.12-1.

Copies of the Safety Evaluation supporting this amendment and the notice of
issuance are also enclosed.

Sincerely,

Theodore R. Quay

Theodore R. Quay, Project Manager
Project Directorate III-1
Division of Reactor Projects - III,
IV, V & Special Projects

Enclosures:

1. Amendment No. 23 to NPF-43
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

LA/PD31: DRSP
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D/PD31: DRSP
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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

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The amendment revises the provisions in the Technical Specifications to correct an error in Table 3.3.7.12-1.

Copies of the Safety Evaluation supporting this amendment and the notice of issuance are also enclosed.

Sincerely,

A handwritten signature in cursive script that reads "Theodore R. Quay".

Theodore R. Quay, Project Manager
Project Directorate III-1
Division of Reactor Projects - III,
IV, V & Special Projects

Enclosures:

1. Amendment No. 23 to NPF-43
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

Mr. B. Ralph Sylvia
Detroit Edison Company

Fermi-2 Facility

cc:

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U.S. Nuclear Regulatory Commission
Resident Inspector's Office
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Newport, Michigan 48166

Monroe County Office of Civil
Preparedness
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Monroe, Michigan 48161

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
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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. 23
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 November 20, 1987, 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.23 , 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.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Martin J. Virgilio, Director
Project Directorate III-1
Division of Reactor Projects - III,
IV, V & Special Projects

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 28, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 23

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 contains a vertical line indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

REMOVE

3/4 3-77

INSERT

3/4 3-77

TABLE 3.3.7.12-1 (Continued)RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
4. TURBINE BLDG. VENTILATION MONITORING SYSTEM			
a. Noble Gas Activity Monitor	1	*	121
b. Iodine Sampler	1	*	122
c. Particulate Sampler	1	*	122
d. Sampler Flow Rate Monitor	1	*	123
5. SERVICE BUILDING VENTILATION MONITORING SYSTEM			
a. Noble Gas Activity Monitor	1	*	121
b. Iodine Sampler	1	*	122
c. Particulate Sampler	1	*	122
d. Sampler Flow Rate Monitor	1	*	123

TABLE 3.3.7.12-1

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

	<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
1.	REACTOR BUILDING EXHAUST PLENUM EFFLUENT MONITORING SYSTEM			
	a. Noble Gas Activity Monitor - Providing Alarm	1	*	121
	b. Iodine Sampler	1	*	122
	c. Particulate Sampler	1	*	122
	d. Sampler Flow Rate Monitor	1	*	123
2.	OFFGAS MONITORING SYSTEM (At the 2.2 minute delay piping)			
	a. Hydrogen Monitor	1	**	124
	b. Noble Gas Activity Monitor	1	***	126
3.	STANDBY GAS TREATMENT SYSTEM			
	a. Noble Gas Activity Monitor - Providing Alarm	1	#	125
	b. Iodine Sampler	1	#	122
	c. Particulate Sampler	1	#	122
	d. Sampler Flow Rate Monitor	1	#	123



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 23 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 November 20, 1987, 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 provisions in the Technical Specifications to correct an error in Table 3.3.7.12-1, "Radioactive Gaseous Effluent Monitoring Instrumentation," by deleting Item 3.d, Effluent System Flow Rate Monitor, for the Standby Gas Treatment System (SGTS). The correction would make Table 3.3.7.12-1 consistent with the Surveillance Requirements of Technical Specification Table 4.3.7.12-1.

2.0 EVALUATION

In the licensee's Radiological Effluent Technical Specifications (RETS), radioactive gaseous effluent monitoring operability and surveillance requirements are recorded for six different gaseous effluent systems. For all six systems, the surveillance requirements involve: a) a noble gas monitor, b) iodine sampler, c) particulate sampler, and d) sampler flow rate monitor. For the operability requirements, five of the systems include the same items a-d above, but for the sixth, Standby Gas Treatment System, a fifth entry - Effluent System Flow Rate Monitor - appears. It is this fifth entry for the SGTS that the licensee proposes to delete. The flow rate monitors were deleted from the Technical Specifications prior to issuance of the license, except for the SGTS, through an oversight. The proposed amendment simply corrects the error by deleting the remaining reference to a flow rate monitor.

Although the SGTS design contains flow rate monitors, these flow rates from these monitors are not used in the determination of alarm/trip set points. The licensee pointed out in their submittal that the conservative approach of assuming maximum flow has been taken in calculations of set points for all six systems, and therefore, a flow rate monitor is not necessary. The NRC staff checked the licensee's Offsite Dose Calculation Manual (ODCM), accepted by the

staff in a letter dated October 31, 1984, and concluded that the calculations of set points for all six effluent monitoring systems are treated in an identical manner using the maximum flow rate for the particular pathway as listed in Table 2.1-2 of the ODCM.

The NRC staff concludes that this approach is more conservative than using a measured flow rate in the monitoring system, and consequently, the staff concludes that the licensee's proposal involves an obvious editorial error that should be corrected.

3.0 ENVIRONMENTAL CONSIDERATION

An Environmental Assessment and Finding of No Significant Impact has been issued for this amendment (53 FR28080, July 26, 1988).

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: Wayne Meinke

Dated: July 28, 1988

UNITED STATES NUCLEAR REGULATORY COMMISSION
DETROIT EDISON COMPANY
WOLVERINE POWER SUPPLY COOPERATIVE, INCORPORATED
DOCKET NO. 50-341
NOTICE OF ISSUANCE OF AMENDMENT TO
FACILITY OPERATING LICENSE

The United States Nuclear Regulatory Commission (the Commission) has issued Amendment No. 23 to Facility Operating License No. NPF-43, issued to the Detroit Edison Company and the Wolverine Power Supply Cooperative, Incorporated (the licensees), which revised the Technical Specifications (TSs) for operation of Fermi-2, located in Monroe County, Michigan. The amendment is effective as of the date of issuance.

The amendment revises Technical Specification Table 3.3.7.12-1 consistent with the Surveillance Requirements of Technical Specification Table 4.3.7.12-1 by deleting Item 3.d, Effluent System Flow Rate Monitor, for the Standby Gas Treatment System. The flow rate from this monitor is unnecessary because the licensee has taken a more conservative approach by using the maximum system flow.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings, as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment.

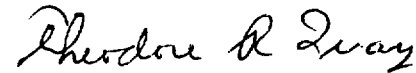
Notice of Consideration of Issuance of Amendment to Facility Operating License and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on March 25, 1988 (53 FR 9831). No request for hearing or petition to intervene was filed following this notice.

Also in connection with this action, the Commission prepared an Environmental Assessment and Finding of No Significant Impact which was published in the FEDERAL REGISTER on July 26, 1988, at 53 FR 28080.

For further details with respect to this action, see (1) the application for amendment dated November 20, 1987, (2) Amendment No. 23 to License No. NPF-43, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, DC 20555, and at the Monroe County Library System, 3700 S. Custer Road, Monroe, Michigan 48161. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Director, Division of Reactor Projects - III, IV, V, and Special Projects.

Dated at Rockville, Maryland, this 28 day of July 1988.

FOR THE NUCLEAR REGULATORY COMMISSION



Theodore R. Quay, Project Manager
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects