

BEFORE THE UNITED STATES
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF:)
)
THE DETROIT EDISON COMPANY)
(Enrico Fermi Atomic Power)
Plant Unit No. 2))

Docket No. 50-341

AMENDMENT NO. 50
TO AMENDED AND
SUBSTITUTED APPLICATION FOR LICENSES

THE DETROIT EDISON COMPANY, Applicant in the above captioned proceeding, hereby files Amendment No. 50 to its Amended and Substituted Application for Licenses for the purposes of (1) updating certain general information set forth in the Application, (2) amending the Application to reflect the addition of Co-Applicant Wolverine Power Supply Cooperative, Inc., which previously has been approved by the Commission as a co-holder of the Construction Permit issued in this proceeding, (3) revising the Application to request that the Commission issue the Applicant an Operating License for a term of forty (40) years from the date of issuance of the Operating License, (4) referencing the submittal of Applicants' revised Physical Security Plan, and (5) transmitting revisions to Applicants' Final Safety Analysis Report.

Background

On April 29, 1969, Applicant Detroit Edison filed with the Atomic Energy Commission ("AEC") an Application for Licenses requesting authorization to construct and operate Enrico Fermi Atomic Power Plant Unit No. 2 ("Fermi 2"), a utilization facility for the generation of commercial power. Twenty amendments to this application were subsequently filed, and on September 26, 1972, the Commission issued Detroit Edison a construction permit (CPPR-87) for Fermi 2.

On October 22, 1974, Detroit Edison filed with the AEC its Amended and Substituted Application for Licenses for the purpose of transmitting the Final Safety Analysis Report (FSAR) and to bring up to date other information contained in the original Application for Licenses.

On May 6, 1977, Applicant filed with the Nuclear Regulatory Commission ("NRC" or the "Commission") an Application to Amend its Construction Permit to add Northern Michigan Electric Cooperative, Inc., and Wolverine Electric Cooperative, Inc., as co-owners of the Fermi 2 facility. After public notice and hearing, the Commission approved Amendment No. 1 to the Construction Permit on July 5, 1978 adding the two cooperatives as co-holders of the Construction Permit.

On August 13, 1982, Detroit Edison filed its second request to amend its Construction Permit to reflect a statutory merger between the two electric cooperatives and substitution of the resulting new entity: Wolverine Power Supply Cooperative, Inc. ("WPSC"). The NRC approved Amendment No. 2 to the Fermi 2 Construction Permit on December 1, 1982.

Proposed Amendment

The 1974 Amended and Substituted Application for Licenses should be revised to conform to the amended Construction Permit reflecting substitution for WPSC as a Co-Applicant.

In addition, in view of the considerable time which has passed since issuance of the Construction Permit, Detroit Edison amends its 1974 Application to request an Operating License with a term of forty years from the date of issuance of the Operating License. The general information in the Application should also be changed to conform with the above revision and with information contained in annual reports and other materials previously submitted. The attached revised pages replace the correspondingly numbered pages in Applicant's 1974 Amended and Substituted Application for Licenses.

In this Amendment, Detroit Edison is also requesting that its Application be amended to include the filing of its revised Physical Security Plan which was made separately on June 29, 1983 (reference: EF2-64,443).

Finally, Applicant is filing modifications to Chapter 7 and Appendix 4A of its FSAR along with several minor technical and administrative corrections and clarifications.

THE DETROIT EDISON COMPANY

By C. M. Heidel
Charles M. Heidel
President

Subscribed and sworn to before me
this 2nd day of August, 1983.

Evelyn M. Tracy
Evelyn M. Tracy, Notary Public
Oakland County, Acting in Wayne
County, Michigan

My Commission expires 4/30/84

Atomic Safety and Licensing board which rendered a favorable Initial Decision, the Commission on September 26, 1972, issued Detroit Edison a construction permit (CPR-87) for a utilization facility of the boiling water type with a thermal capacity of 3,292 megawatts and a resulting gross electrical output of approximately 1,154 megawatts. The facility, which is now about 95 percent constructed, will be part of an electrical generating plant known as the Enrico Fermi Atomic Power Plant, Unit No. 2 located on Applicant's site in Frenchtown Township, Monroe County, Michigan.

In order to transmit the Final Safety Analysis Report ("FSAR") and to bring up to date other information contained in the original Application for Licenses, Detroit Edison hereby files this Amended and Substituted Application for Licenses.

Applicant states:

(a) The names of Applicants are The Detroit Edison Company (Edison) and Wolverine Power Supply Cooperative, Inc. (WPSC).

(b) The address of Applicant Edison is 2000 Second Avenue, Detroit, Michigan 48226; the address of Applicant WPSC is 1050 East Division, Boyne City, Michigan 49712.

(c) The business of Applicants is described in their respective annual reports filed with the Commission as issued since the original Application for Licenses was submitted.

(d) (1) Applicants are corporations incorporated in the State of Michigan. -

(2) All directors and principal officers of Applicants are citizens of the United States. The names and addresses of their directors and principal officers are listed in Exhibit B incorporated herein by reference.

(3) Applicants are not owned, controlled or dominated by an alien, a foreign corporation, or a foreign government.

(e) Applicants are applying for a class 103 license for a utilization facility to be used in the generation and distribution of electric energy in the fulfillment of Applicants' obligations under the laws of the State of Michigan to provide such electricity to their designated customers. Applicants seek the class 103 license for a period of 40 years from the date of the operating license issued for the facility. Applicants also apply for such special nuclear material licenses (pursuant to 10 CFR Part 70), by-product material licenses (pursuant to 10 CFR Part 30), and source material licenses (pursuant to 10 CFR Part 40)

(j) The names and addresses of the regulatory agencies having jurisdiction over the rates and services incident to the generation and distribution of electric energy under a class 103 license are:

Michigan Public Service Commission
6545 Mercantile Way
Lansing, Michigan 48909

Federal Energy Regulatory Commission
825 North Capitol Street, N.E.
Washington, D.C. 20426

(k) The trade and news publications which circulate in the area where the proposed activity will be conducted and which Applicants consider appropriate to give reasonable notice of the application to those municipalities, private utilities, public bodies, and cooperatives which might have a potential interest in the facility are listed in Exhibit E incorporated herein by reference.

(l) Applicant Edison agrees, as it did in its original Application for License, that it will not permit any individual to have access to Restricted Data until the Civil Service Commission shall have made an investigation and report to the Commission on the character, associations, and loyalty of such individual, and the Commission shall have determined that permitting

such person to have access to Restricted Data will not endanger the common defense and security.

(m) Communications with respect to this Application should be sent to:

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and to its attorneys:

Messrs. LeBoeuf, Lamb, Leiby & MacRae
Attention: Harry H. Voigt
1333 New Hampshire Avenue, N. W.
Washington, D.C. 20036

Peter A. Marquardt, Esq.
Senior Attorney
The Detroit Edison Company
2000 Second Avenue
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On the basis of the information provided in this application and in the accompanying exhibits, Applicants respectfully request that the Commission, after the substantial completion of the construction of the plant in conformity with the terms and conditions of the construction permit, and subject to any necessary testing of the facility for health or safety, issue a class 103 operating license for the facility and such other licenses as may be necessary and appropriate for the operation of the facility.

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Harry Tauber
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