

PDR

[7590-01]

UNITED STATES NUCLEAR REGULATORY COMMISSION

DETROIT EDISON COMPANY

ENRICO FERMI ATOMIC POWER PLANT, UNIT 1

DOCKET NO. 50-16

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission is considering issuance of an exemption from the revised 10 CFR 50.120 requirements of the Code of Federal Regulations to the Detroit Edison Company (the licensee) for the Enrico Fermi Atomic Power Plant, Unit 1 (Fermi-1), pursuant to 10 CFR 50.12.

ENVIRONMENTAL ASSESSMENT:

Identification of Proposed Action:

The proposed action would grant an exemption from the training requirements of 10 CFR 50.120. By letter dated July 30, 1993, the licensee identified the special circumstances that exist at Fermi-1 as the basis for their exemption request.

The Need for the Proposed Action:

Fermi-1 is a permanently shutdown sodium cooled, fast breeder reactor in SAFSTOR. The fuel and uranium-238 blanket material have been removed and shipped offsite. A possession-only license was issued on September 5, 1973. The exemption would relieve the licensee from the training requirements of 10 CFR 50.120. However, it does not relieve the licensee from previous requirements or commitments to train and qualify facility personnel.

9402100242 931117
PDR ADDCK 050C0016
C PDR

080154

103%

Environmental Impacts of the Proposed Action:

The proposed exemption would not have any effect on accidents previously analyzed in the Fermi-1 Supplemental Environmental Information, September 1975. The reactor has been defueled and the nuclear fuel has been shipped offsite. Based on the conditions at Fermi-1, there are no credible accident scenarios that could result in offsite doses that would exceed a small fraction of the U.S. Environmental Protection Agency's "Protective Action Guidelines."

The proposed action would not change the types of effluent that may be released offsite, and there would be no significant increase in the allowable individual or cumulative occupational radiation exposures on-site. Accordingly, the NRC concludes that this proposed action would result in no significant radiological environmental impact.

With regard to potential non-radiological impacts, the proposed action does not effect non-radiological plant effluents and has no other environmental impact. Therefore, the NRC concludes that there are no significant non-radiological environmental impacts associated with the proposed action.

Alternatives to the Proposed Action:

Since the NRC staff has concluded that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated.

Alternative Use of Resources:

This action does not involve the use of any resources not previously considered in the Fermi-1 Supplemental Environmental Information.

Agencies and Persons Consulted:

The NRC staff reviewed the exemption request. No other agencies or personnel were contacted.

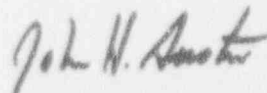
FINDING OF NO SIGNIFICANT IMPACT:

Based upon this environmental assessment, the staff concludes that the proposed action will not have a significant effect on the quality of the human environment. Therefore, the NRC will not prepare an environmental impact statement for the proposed exemption.

For further details with respect to this action, the licensee's letter dated July 30, 1993, and the NRC staff's Safety Evaluation, included in the exemption, are available for public inspection at the NRC's Public Document Room, the Gelman Building, 2120 L Street, N.W., Washington DC 20037, and at the local public document room at the Monroe County Library System, 3700 South Custer Road, Monroe, MI 48161.

Dated at Rockville, Maryland,
this 17th day of November, 1993.

FOR THE NUCLEAR REGULATORY COMMISSION



John H. Austin, Chief
Decommissioning and Regulatory
Issues Branch
Division of Low-Level Waste Management
and Decommissioning
Office of Nuclear Material Safety
and Safeguards