



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

NRC PDR

OCT 5 1978

Docket No: 50-341

Dr. Wayne H. Jens
Assistant Vice President
Engineering & Construction
The Detroit Edison Company
2000 Second Avenue
Detroit, Michigan 48226

Dear Dr. Jens:

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION IN FERMI 2 FSAR

As a result of our continuing review of the Final Safety Analysis (FSAR) for the Enrico Fermi Atomic Power Plant Unit 2, we have developed the enclosed requests for additional information.

Appendix A to the FSAR, "Conformance to Regulatory Guides," addresses regulatory guides that were issued prior to January 1, 1978. Since then, new regulatory guides and revisions to old guides have been issued. Appendix A should be updated to address current regulatory requirements.

Please amend your FSAR to update Appendix A and to comply with the requirements listed in the enclosure. Our review schedule is based on the assumption that the additional information will be available for our review by December 22, 1978. If you cannot meet this date, please inform us within 7 days after receipt of this letter so that we may revise our scheduling.

Sincerely,

John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management

Enclosure:
Requests for Additional
Information

cc w/enclosure:
See next page

LPDR

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PDR ADCK 050-341 A 781005

Dr. Wayne H. Jens

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OCT 5 1978

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ENCLOSURE

REQUESTS FOR ADDITIONAL INFORMATION

ENRICO FERMI ATOMIC POWER PLANT UNIT 2

DOCKET NO. 50-341

Requests by the following branches in NRC are included in this enclosure. Requests and pages are numbered sequentially with respect to previously transmitted requests.

<u>Branch</u>	<u>Page No.</u>
Radiological Assessment Branch	331-6
Analysis Branch	230-1

331.0

RADIOLOGICAL ASSESSMENT BRANCH

331.13

Provide information concerning action taken to maintain occupational radiation exposure as low as is reasonably achievable by minimizing and controlling the buildup, transport and deposition of activated corrosion products in reactor coolant and auxiliary systems. Include as a minimum information on the following steps taken to minimize Co-58 and Co-60, including:

- a. The use of reduced nickel in primary coolant systems alloys.
- b. Low cobalt impurity specifications in primary coolant system alloys.
- c. The minimization of high cobalt, hard facing wear materials in the primary coolant system.
- d. The use of high flow rate/high temperature filtration.
- e. The selection of valves and packing materials to minimize crud buildup and maintenance.
- f. Provisions of decontamination of reactor coolant components and systems.

331.14

Provide information concerning action taken to maintain occupational radiation exposure as low as is reasonably achievable during the eventual decommissioning of the reactor plants.

230.0

ANALYSIS BRANCH230.1
(4.4)

FSAR Section 4.4 references Chapter 4 of NEDE-20944-P entitled "Thermal and Hydraulic Design" instead of providing the specific information necessary to describe the thermal and hydraulic characteristics of the reactor. The staff has previously taken the position that Chapter 4 of NEDE-20944-P is not acceptable for referencing (NRC letter to General Electric November 8, 1977, attached). Provide plant specific information on the thermal and hydraulic design of Fermi 2 in FSAR Section 4.4.