



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

May 5, 1997

Docket  
File  
50-341

LICENSEE: Detroit Edison Company

FACILITY: Fermi 2 Nuclear Plant

SUBJECT: MEETING WITH THE DETROIT EDISON COMPANY TO DISCUSS ISSUES RELATED  
TO THE EMERGENCY EQUIPMENT COOLING WATER SYSTEM AT FERMI 2

A meeting was held at NRC Headquarters on April 22, 1997, to discuss the status of issues related to the emergency equipment cooling water (EECW) system at the Fermi-2 plant. The licensee had requested the meeting to discuss corrective actions it was taking in response to problems that had been discovered associated with the design and the licensing basis for the system.

The first issue discussed in the meeting was related to the potential for certain high-energy line breaks to damage the piping in one of the two divisions of the EECW system in the drywell. This piping damage, in conjunction with a loss-of-coolant-accident (LOCA, the initiating event) and a single active failure in the other division of EECW, could lead to the loss of the safety function performed by EECW. The licensee is implementing two system modifications which, when completed, are intended to ensure that one or both divisions of the system (depending on the specific scenario) will continue to perform its safety function throughout the event. The operation of one division is sufficient to mitigate the consequences of the accident. The licensee committed to complete these modifications prior to the restart of the plant from the current outage. The staff acknowledged that if the modifications function as described in the meeting, it appeared that the system function would be maintained. As part of the modification process, the licensee will evaluate the changes using the criteria in 10 CFR 50.59.

The second issue involved high-energy line breaks, currently postulated in the Updated Final Safety Analysis Report (UFSAR), which the licensee proposes to eliminate from consideration. The licensee bases this proposal on certain statements in the UFSAR which would allow this elimination. However, the staff has raised the issue of other statements within the UFSAR which the staff interprets to mean that consideration of these pipe breaks is required. The licensee committed to complete an evaluation of this issue using the criteria in 10 CFR 50.59 and take any appropriate action that is indicated by that evaluation. The licensee also committed to complete this evaluation and any associated actions related to system operability prior to the restart of the plant from the current outage. In addition, the licensee will complete an operability evaluation for the EECW system prior to restart.

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A list of the meeting attendees is enclosed.

ORIGINAL SIGNED BY

Andrew J. Kugler, Project Manager  
Project Directorate III-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Docket No. 50-341

Enclosure: As stated

cc w/encl: See next page

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PLougheed, RIII (VPL)

SDupont (SGD)

DRoss (SLM3)

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Fermi-2

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MEETING ATTENDEES

FOR APRIL 22, 1997.

FERMI 2 MEETING ON THE

EMERGENCY EQUIPMENT COOLING WATER SYSTEM

NAME

AFFILIATION

John Hannon	NRC/NRR/PD3-1, Director
Andrew Kugler	NRC/NRR/PD3-1, Fermi Project Manager
George Hubbard	NRC/NRR/SPLB, Section Chief
William LeFave	NRC/NRR/SPLB, Staff
Yueh-Li Li	NRC/NRR/EMEB, Staff
William Long	NRC/NRR/SCSB, Staff
Stevie Dupont	NRC/RIII/DRP, Project Engineer
Michael Jordan	NRC/RIII/DRP, Branch Chief <sup>1</sup>
Patricia Loughheed	NRC/RIII/DRS, Inspector <sup>1</sup>
Douglas R. Gipson	Detroit Edison, Senior Vice President
Peter Smith	Detroit Edison, Licensing Manager
William Terrasi	Detroit Edison, Project Manager

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<sup>1</sup> Connected to meeting by telephone

Enclosure