



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

MAR 30 1988

Docket No. 50-341

The Detroit Edison Company
ATTN: B. Ralph Sylvia
Group Vice President
Nuclear Operations
6400 North Dixie Highway
Newport, MI 48166

Gentlemen:

Detroit Edison Company's letters of May 15, October 1, December 19, 1986 and November 17 and December 9, 1987 pertaining to Fermi, contained your response to IEB 85-03, "Motor-Operated Valve Common Mode Failures During Plant Transients Due to Improper Switch Settings". Our review of the responses indicates the need for additional information before the program to assure valve operability can be approved. The specific information necessary for the completion of our review is enclosed. Additional information is requested within one month of the date of this letter.

The written report shall be submitted to the Regional Administrator, Region III, under oath or affirmation under provisions of Section 182a, Atomic Energy Act of 1954, as amended. Also, the original copy of the cover letter and a copy of the report shall be transmitted to the U.S. Nuclear Regulatory Commission Document Control Desk, Washington, DC 20555 for reproduction and distribution.

Questions addressing this issue may be forwarded to Richard J. Kiessel, NRR (301) 492-1154.

Sincerely,

Edward G. Greenman
Edward G. Greenman, Director
Division of Reactor Projects

Enclosure: Request for
Additional Information

See Attached Distribution

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Distribution

cc w/enclosure:

Patricia Anthony, Licensing

P. A. Marquardt, Corporate

Legal Department

DCD/DCB (RIDS)

Licensing Fee Management Branch

Resident Inspector, RIII

Ronald Callen, Michigan

Public Service Commission

Harry H. Voight, Esq.

Michigan Department of

Public Health

Monroe County Office of

Civil Preparedness

R. Kiessel, NRR

J. Stefano, NRR

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REQUEST FOR ADDITIONAL INFORMATION (RAI) RE:

Review of Responses to Action Item e of IE Bulletin 85-03

Licensee:
 The Detroit Edison Company
 6400 North Dixie Highway
 Newport, Michigan 48166

Unit(s): Fermi 2
 Date of Response: 05-15-86
 10-01-86
 12-19-86
 11-17-87
 12-09-87

Respondent:
 Frank E. Agosti,
 Vice President
 Nuclear Operations

The information provided in your response to Action Item e of IE Bulletin 85-03 was found to be deficient in some areas. Provide the additional information necessary to resolve the following comments and questions:

1. If MOVATS is planned for application to some MOVs which are not included in its data base, commit to and describe an alternate method for determining the extra thrust necessary to overcome pressure differentials for these valves.
2. Revise Table 1 of the response dated 11-17-87 to include values of differential pressure for opening the following MOVs, or justify exclusion of these pressures. As required by Action Item a of the bulletin, assume inadvertent equipment operations.
 - (a) HPCI MOV F004 is shown normally open in Zone E-8 of Drawing 6M721-2035 Revision Z, and as MOV 3 on Page 68 of BWROG Report 'EDC-31322 dated September 1986. How would suction from the CST be ensured if this valve were to be (a) actuated inadvertently to the closed position upon intended initiation of the system or (b) left closed inadvertently?
 - (b) RCIC MOV F010 is shown normally open in Zone D-10 of Drawing 6M721-2044 Revision Y, and as MOV 3 on Page 72 of the BWROG Report. The question in Item 1(a) above applies here also.
 - (c) HPCI MOV F021 is shown partially opened in Zone J-4 of Drawing 6M721-2035 Revision Z, and normally open as MOV VI on Page 71 of the BWROG Report. How would steam flow from the pump turbine to the suppression pool be ensured if this valve were to be (a) actuated inadvertently to the closed position upon intended initiation of the system or (b) left closed inadvertently?

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RAI for Fermi 2

- (d) RCIC MOV F001 is shown partially opened in Zone K-6 of Drawing M721-2044 Revision Y, and normally open as MOV VI on Page 74 of the BWROG Report. The question in Item 1(c) above applies here also.
3. Revise Table 1 of the response dated 11-17-87 to include RCIC MOV F044, or justify its exclusion. This MOV governs the RCIC Turbine; it is shown normally open in Zone D-10 of Drawing M721-2045 Revision Q.
4. Revise Table 1 of the response dated 11-17-87 to include values of differential pressure for opening the following valves, or justify exclusion of these pressures. According to pages 55 and 59 of the BWROG Report, each of these valves has a safety action for opening. "N/A" is listed for both entries of differential pressure.
- (a) HPCI MOV F012 is shown normally closed as MOV 2 on Page 68 of the BWROG Report.
- (b) RCIC MOV F019 is shown normally closed as MOV 2 on Page 72 of the BWROG Report.
5. The proposed program for action items b, c and d of the bulletin is incomplete. Provide the following details as a minimum:
- (a) commitment to justify continued operation of a valve determined to be inoperable,
- (b) description of a method possibly needed to extrapolate valve stem thrust determined by testing at less than maximum differential pressure,
- (c) justification of a possible alternative to testing at maximum differential pressure at the plant,
- (d) consideration of pipe break conditions as required by the bulletin,
- (e) stroke testing when necessary to meet bulletin requirements, and
- (f) consideration of applicable industry recommendations in the preparation of procedures to ensure maintenance of correct switch settings.