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Nuclear
Operations

January 29, 1991
NRC-91-0013

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

- References:
- 1) Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43
 - 2) NRC Generic Letter 88-20, "Individual Plant Examinations for Severe Accident Vulnerabilities", dated November 23, 1988, and Supplement 1, dated August 29, 1989
 - 3) Detroit Edison Letter to NRC, "Fermi 2 Individual Plant Examination Program for Severe Accident Vulnerabilities", NRC-89-0213, dated October 25, 1989
 - 4) NRC Letter to Detroit Edison, "Review of 60-Day Response to Generic Letter 88-20, Individual Plant Examinations (IPE) (TAC No. 74410)," dated January 18, 1990

Subject: Summary Progress Report of First IPE Milestone

By Reference 3, Detroit Edison provided its response to NRC Generic Letter 88-20 (Reference 2). This response was found acceptable by the NRC in Reference 4. In that response Detroit Edison committed to provide brief summary progress reports on completion of each of three IPE milestones. This letter is submitted to provide the summary report of the first IPE milestone.

The activities required for the first milestone regarding enhancements to the Level 1 analysis have been completed. Specifically, the following has been accomplished:

- o Six containment systems have been modeled.
- o Applicable findings from the multiple control system failure study and from a detailed a.c. load list have been analyzed and dispositioned.

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NRC-91-0013

Page 2

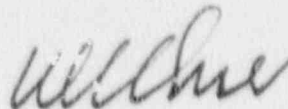
- o All design changes made since completion of the original Level 1 PRA model through the first refueling outage have been reviewed and incorporated into the Level 1 model as determined to be appropriate.
- o The Level 1 model has been completely transferred to new PC software developed by Pickard, Loeb and Garrick (PLG), the primary Level 1 PRA consultant.
- o Appropriate enhancements resulting from third party review as well as additional internal and PLG review have been incorporated into the Level 1 model.

To date, there have been no significant findings to report. However, the Level 1 model will continue to be exercised and scrutinized throughout the remainder of the IPE program.

Consultants to support internal flooding and containment performance analyses were selected in 1989, and the related technical activity has recently been initiated. The corresponding completion milestones are being set back by two months and one month, respectively; i.e., June 1991 instead of April 1991 for internal flooding and November 1991 instead of October 1991 for containment performance. However, submittal of the final IPE report is still scheduled for April 1992.

If you have any questions, please contact Mr. Givija S. Shukla at (313) 586-4270.

Sincerely,



cc: A. B. Davis
R. W. DeFayette
W. C. Rogers
J. F. Stang