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**Detroit Edison**



*A DTE Energy Company*

10CFR50, Appendix H

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NRC-00-0098

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington D C 20555-0001

- References:
- 1) Fermi 2  
NRC Docket No. 50-341  
NRC License No. NPF-43
  - 2) Detroit Edison Letter to NRC, "Request for Deferral of Reporting the First Reactor Pressure Vessel Surveillance Capsule Test Results," NRC-00-0067, dated September 29, 2000
  - 3) NRC letter to BWRVIP, "BWR Integrated Surveillance Program (BWRVIP-78) (TAC No. M99894)," dated May 16, 2000

Subject: Additional Information Regarding the Request for Deferral of Reporting the First RPV Surveillance Capsule Test Results

Reference 2 requested the deferral of testing and reporting the test results of the first Fermi 2 Reactor Pressure Vessel (RPV) surveillance capsule for one refueling cycle in accordance with Section IV of Appendix H to 10CFR Part 50. The request addressed the guidelines provided to the Boiling Water Reactor Vessel and Internals Project (BWRVIP) by the NRC in Reference 3 regarding information required in requests for the deferral of surveillance capsule withdrawal and/or testing.

In a telephone request, the NRC indicated that additional information to clarify Detroit Edison's response to the third guideline in Reference 3 was required. Specifically, the NRC requested a confirmation that deferral of testing the Fermi 2 capsule, withdrawn from the RPV in April 2000, would not have a significant

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adverse effect on the ability to acquire meaningful dosimetry data from the dosimetry wires in the capsule.

In response to the NRC question, Detroit Edison provides the following:

The dosimetry data from the Fermi 2 capsule will still yield meaningful results if testing is deferred by 18 months. Any loss in the accuracy of the results, as a result of the delay in testing, would be negligible.

The BWRVIP Integrated Surveillance Program (ISP) first Supplemental Surveillance Program (SSP) capsules were removed from the Oyster Creek nuclear power plant RPV in September 1996. The capsules contained dosimetry wires along with Charpy test specimens. The dosimetry wires were tested in September 1999, which is a 36 month delay from the withdrawal date. General Electric, the testing company, estimated the fluence of these 36 month-delayed specimens to be within +/- 20% of the calculated values. This range is very typical for specimens tested within one year from withdrawal.

With the one refueling cycle deferral, the Fermi 2 capsule would be tested within 30 months from the time it was withdrawn out of the RPV in April 2000. Therefore, based on the same estimation methods used for the SSP capsules, the dosimetry wires in the Fermi 2 capsule are expected to still provide meaningful results.

It should be noted that the Fermi 2 request for deferral is based on the high probability that the BWRVIP ISP will be approved by the NRC. Once the ISP is approved, testing of the Fermi 2 capsule will be no longer required.

Should you have any questions or require additional information, please contact Mr. Norman K. Peterson of my staff at (734) 586-4258.

Sincerely,



cc: D. S. Hood  
M. A. Ring  
NRC Resident Office  
Regional Administrator, Region III  
Supervisor, Electric Operators,  
Michigan Public Service Commission