



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

SAFETY EVALUATION REPORT BY THE OFFICE OF NUCLEAR REACTOR REGULATION

LOSS OF FILL-OIL IN TRANSMITTERS MANUFACTURED BY ROSEMOUNT AND NRC

BULLETIN 90-91, SUPPLEMENT 1

DETROIT EDISON COMPANY

FERMI PLANT, UNIT 2

DOCKET NO. 50-341

1.0 INTRODUCTION

NRC Bulletin 90-01, Supplement 1 was issued by the Nuclear Regulatory Commission (NRC) on December 22, 1992, to inform addressees of activities taken by the NRC staff and the industry in evaluating Rosemount Transmitters and to request licensees to take actions to resolve this issue. The Supplement requests utilities to review the information for applicability to their facilities, perform testing on the transmitter commensurate with its importance to safety and demonstrated failure rate, and modify as appropriate, their actions and enhanced surveillance programs. The Supplement also requested that the licensee provide a response that included a statement as to whether or not the licensee will take the actions requested, and a list of specific actions that the licensee would complete, and the schedule for completing the actions. Additionally, when the specific actions committed to in the licensee's response were completed, the licensee was required to provide a statement confirming said completion. If the licensee did not plan to comply with all of the Requested Actions as delineated in the Supplement, a statement was required identifying those Requested Actions not taken, as well as an evaluation which provided the bases for Requested Actions not taken.

2.0 DISCUSSION AND EVALUATION

The licensee for the Fermi Plant, Detroit Edison Company, responded to NRC Bulletin 90-01, Supplement 1 in submittals dated March 5, 1993, and December 20, 1993. The Requested Actions delineated in Supplement 1 asked that licensees review plant records and identify any Rosemount Model 1153 Series B, Model 1153 Series D, and Model 1154 transmitters manufactured before July 11, 1989, that are used, or may be used in the future, in either safety-related systems or systems installed in accordance with 10 CFR 50.62 (the ATWS rule). Additionally, the licensee was to commit to a specified enhanced surveillance monitoring frequency that corresponded to the normal operating pressure of the transmitters identified. Furthermore, the licensee was requested to evaluate its enhanced surveillance monitoring program.

The licensee responded to the requested actions and committed to replacing nine transmitters by the end of the fourth refueling outage. The licensee will provide written confirmation of this replacement. Verification of transmitter replacement is planned by the staff per Temporary Instruction 2515/122, "Evaluation of Rosemount Pressure Transmitter Performance and Licensee Enhanced Surveillance Programs."

A detailed evaluation of the licensee's response is documented in the enclosed contractor's report.

### 3.0 CONCLUSION

We have reviewed the licensee's response to NRC Bulletin 90-01, Supplement 1, and conclude that the licensee's actions conform to the Requested Actions of NRC Bulletin 90-01, Supplement 1. Compliance and applicable Commission requirements may be the subject of NRC audits or inspections in the future.

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