



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

ENCLOSURE

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

NRC BULLETIN 90-01 SUPPLEMENT 1

LOSS OF FILL-OIL IN TRANSMITTERS MANUFACTURED BY ROSEMOUNT

UNION ELECTRIC COMPANY

CALLAWAY PLANT

DOCKET NO 50-483

1.0 INTRODUCTION

NRC Bulletin 90-01, Supplement 1, was issued by the 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 requested 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 requested actions would be taken, and provide a list of specific actions that would be completed 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 Callaway Plant, Union Electric Company, responded to NRC Bulletin 90-01 Supplement 1, in submittals dated February 23, 1993, July 7, 1993, and January 11, 1994. 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 their enhanced surveillance monitoring program. The licensee's response indicated that transmitters which come under the purview of an enhanced surveillance monitoring program have been replaced.

Additionally, ongoing programs are in place to address the maintaining of confidence in the ability to detect fill-oil loss in the low pressure transmitters and transmitters which have reached the psi-month threshold criterion.

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

3.0 CONCLUSION

The staff has reviewed the licensee's response and concludes that the Requested Actions of NRC Bulletin 90-01, Supplement 1, have been satisfied and that the licensee has completed the associated reporting requirements. Compliance and applicable Commission requirements will be the subject of NRC audits or inspections in the future.

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Date:

Attachment:
Technical Evaluation Report
EG&G-ERTP-10817