



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

ILLINOIS POWER COMPANY

CLINTON POWER STATION, UNIT 1

DOCKET NO. 50-461

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 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 the 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 those requested actions not taken.

2.0 DISCUSSION AND EVALUATION

The licensee for the Clinton Power Station, Unit 1, Illinois Power, responded to NRC Bulletin 90-01, Supplement 1 in submittals dated March 5, 1993, and January 27, 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 submittal identified the applicable Rosemount Transmitter models and described the actions taken and an evaluation of the enhanced surveillance monitoring program. Furthermore, the licensee committed to an enhanced surveillance monitoring program encompassing two methods of fill-oil loss detection. One method is the monitoring of redundant transmitter channels for those transmitters which require a monthly or quarterly surveillance frequency, the other method trends the accumulated zero and span drift for transmitters which require a refueling cycle surveillance frequency.

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 conforms to the Requested Actions of NRC Bulletin 90-01, Supplement 1, and has completed the reporting requirements. Compliance and applicable Commission requirements may be the subject of NRC audits or inspections in the future.

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