



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

ENCLOSURE 2

SAFETY EVALUATION REPORT  
GENERIC LETTER 83-28, ITEM 2.1 (PART 2)  
VENDOR INTERFACE PROGRAMS (RTS COMPONENTS)  
RIVER BEND STATION  
DOCKET NO. 50-458

1.0 INTRODUCTION

On February 25, 1983, both of the scram circuit breakers at Unit 1 of the Salem Nuclear Power Plant failed to open upon an automatic reactor trip signal from the reactor protection system. This incident was terminated manually by the operator about 30 seconds after the initiation of the automatic trip signal. The failure of the circuit breakers was determined to be related to the sticking of the undervoltage trip attachment. Prior to this incident, on February 22, 1983, at Unit 1 of the Salem Nuclear Power Plant, an automatic trip signal was generated based on steam generator low-low level during plant start-up. In this case, the reactor was tripped manually by the operator almost coincidentally with the automatic trip.

Following these incidents, on February 28, 1983, the NRC Executive Director for Operations (EDO), directed the staff to investigate and report on the generic implications of these occurrences at Unit 1 of the Salem Nuclear Power Plant. The results of the staff's inquiry into the generic implications of these events are reported in NUREG 1000 "Generic Implications of the ATWS Events at the Salem Nuclear Power Plant". As a result of this investigation, the Commission (NRC) requested (by Generic Letter 83-28 dated July 8, 1983) all licensees of operating reactors, applicants for an operating license, and holders of construction permits to respond to generic issues raised by the analyses of these two ATWS events.

This report is an evaluation of the response submitted by Gulf States Utilities Company, the licensee for the River Bend Station for Item 2.1. (Part 2) of Generic Letter 83-28. The actual documents reviewed as part of this evaluation are listed in the references at the end of this report.

Item 2.1 (Part 2) requires the licensee to confirm that an interface has been established with the NSSS or with the vendors of each of the components of the Reactor Trip System which includes:

- o periodic communication between the licensee/applicant and the NSSS or the vendors of each of the components of the Reactor Trip System, and,

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o a system of positive feedback which confirms receipt by the licensee/applicant of transmittals of vendor technical information.

## 2.0 EVALUATION

The licensee for River Bend Station (Gulf States Utilities Company) provided responses to Generic Letter 83-28, Item 2.1 (Part 2) in submittals dated November 1, 1983, August 3, 1984 and August 11, 1988. In the first submittal, the licensee committed to respond to this item. The second submittal described their interface program with their NSSS vendor (G.E.), and the third submittal described the feedback arrangements which ensure that the licensee receives all the technical information sent out by their NSSS vendor.

## 3.0 CONCLUSION

Based on our review of these responses, the staff finds that the licensee's statements confirm that a vendor interface program exists with the NSSS vendor for components that are required for performance of the reactor trip function. This program meets the requirements of Item 2.1 (Part 2) of Generic Letter 83-28, and is, therefore, acceptable.

## 4.0 REFERENCES

1. NRC Letter, D. G. Eisenhower to all Licensee of Operating Reactors, Applicants for Operating Licenses, and Holders of Construction Permits, "Required Actions Based on Generic Implications of Salem ATWS Events (Generic Letter 83-28)," July 8, 1983.
2. Letter, J. E. Booker, Gulf States Utilities Company to D. G. Eisenhower, NRC, November 1, 1983.
3. Letter, J. E. Booker, Gulf States Utilities Company to D. G. Eisenhower, NRC, August 3, 1984.
4. Letter, J. E. Booker, Gulf States Utilities Company to D. G. Eisenhower, NRC, August 11, 1988.