



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

SUPPLEMENTAL SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 24 TO FACILITY OPERATING LICENSE NO. NPF-47

GULF STATES UTILITIES COMPANY

RIVER BEND STATION, UNIT 1

DOCKET NO. 50-458

1.0 BACKGROUND

By letter dated June 5, 1987 as modified May 13, 1988, Gulf States Utilities Company (GSU) (the licensee) requested an amendment to Facility Operating License No. NPF-47 for the River Bend Station, Unit 1. The proposed amendment, as modified, would (1) raise the drywell average air temperature from 140°F to 145°F; (2) raise the allowable temperature for the main steam line tunnel (north) from 122°F to 135°F; and (3) increase the main steam line tunnel (north) instrumentation setpoints and allowable temperature values for various isolation signals. The Safety Evaluation related to Amendment No. 24 addressed the proposed changes to the Technical Specifications as specified in Attachment (3) of the application (item (3), above). The staff's evaluation of Attachment 1 is the subject of separate correspondence. This Supplemental Safety Evaluation addresses the proposed changes to the Technical Specifications as specified in Attachment 2 (item (2), above).

2.0 INTRODUCTION

This Supplemental Safety Evaluation addresses the proposed increase in the allowable temperature for the main steam line tunnel (north). In its previous Safety Evaluation the staff found that the licensee's proposed changes to the main steam line tunnel (north) allowable temperature and isolation setpoints to be acceptable. That evaluation did not address the equipment qualification aspects of the proposed changes. The following section is a supplement to the previous Staff Safety evaluation.

3.0 EVALUATION

3.3.3 Environmental Qualification Normal Operating Temperature Steady State

Additionally, the staff reviewed the proposed temperature increase with respect to equipment qualification. The licensee's submittal proposed that the normal operating temperature be increased from 122°F to 135°F, and that the environmental qualification temperature for normal operation needed to be addressed at 135°F and the qualified life of the equipment be re-evaluated accordingly. The licensee stated that this has been completed and that the related Environmental Qualification maintenance and surveillance

requirements have been updated to reflect the shorter qualified life and maintenance interval. Based on the above information submitted to the NRC staff by the licensee, the staff finds this acceptable, and therefore, this issue is resolved.

As discussed above and in the staff's previous Safety Evaluation, the proposed changes to the main steam line tunnel (north) allowable temperature and isolation setpoints are acceptable.

4.0 ENVIRONMENTAL CONSIDERATION

This supplement does not change the staff's previous determination.

5.0 CONCLUSION

The staff has concluded, based on the above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Kudrick

Dated: June 29, 1988