



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

June 4, 1987

Docket No. 50-458

Mr. James C. Deddens
Senior Vice President, (RBNG)
Gulf States Utilities
P. O. Box 220
St. Francisville, LA 70775
ATTN: Nuclear Licensing

Dear Mr. Deddens:

SUBJECT: RIVER BEND STATION, UNIT 1, AMENDMENT NO. 5 TO FACILITY
OPERATING LICENSE NO. NPF-47 (TAC NO. 65130)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 5 to Facility Operating License No. NPF-47 for the River Bend Station, Unit 1. The amendment consists of changes to the Technical Specifications (TSs) in response to your application dated August 4, 1986 as supplemented by letters dated August 15 and September 26, 1986.

This amendment changes the TS requirements to subject the Transamerica Delaval, Inc. (TDI) emergency diesel generators to an inspection in accordance with procedures prepared in conjunction with the manufacturer's recommendations from at least once every 18 months to at least once every refueling outage.

Your application also proposed amending Attachment 3 of your operating license. On April 1, 1987 the staff provided you with supplemental information regarding your proposed application. In telephone conversations with your staff on May 11 and 12, 1987, documented by letter to you dated May 21, 1987, the staff identified deficiencies in your proposed amendment. The staff will continue its evaluation of your application to amend Attachment 3 pending your submittal of revised language for Attachment 3.

Please be advised that Attachment 3 of your operating license requires staff review and approval of the Owners Group generic findings and overall design and quality revalidation program at River Bend prior to operation beyond the first refueling outage. Your submittal should therefore allow ample time for public comment and staff review.

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A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

(s)

Jose A. Calvo, Director
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 5
to License No. NPF-47
2. Safety Evaluation

cc w/enclosures:
See next page

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A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Jose A. Calvo, Director
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

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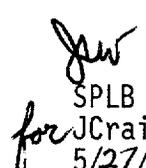
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5/ /87

Mr. James C. Deddens
Gulf States Utilities Company

River Bend Nuclear Plant

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

GULF STATES UTILITIES COMPANY

DOCKET NO. 50-458

RIVER BEND STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 5
License No. NPF-47

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by Gulf States Utilities Company, dated August 4, 1986 as supplemented August 15 and September 26, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-47 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No.5 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. GSU shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Jose A. Calvo

Jose A. Calvo, Director
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 4, 1987

ATTACHMENT TO LICENSE AMENDMENT NO. 5

FACILITY OPERATING LICENSE NO. NPF-47

DOCKET NO. 50-458

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change. Overleaf page provided to maintain document completeness.*

REMOVE

3/4 8-5
3/4 8-6

INSERT

3/4 8-5*
3/4 8-6

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

6. Verifying the diesel generator is aligned to provide standby power to the associated emergency busses.
7. Verifying the pressure in all diesel generator air start receivers to be greater than or equal to 160 psig.
- b. At least once per 24 hours by verifying for diesel generator 1A and 1B that the lube oil circulating pump is operating and that the lube oil sump heater and the jacket water heater are OPERABLE.
- c. By removing accumulated water:
 1. From the day tank at least once per 31 days and after each occasion when the diesel is operated for greater than 1 hour, and
 2. From the storage tank at least once per 31 days.
- d. By sampling new fuel oil in accordance with ASTM D4057-81 prior to addition to the storage tanks and:
 1. By verifying in accordance with the tests specified in ASTM D975-81, prior to addition to the storage tanks, that the sample has:
 - a) An API Gravity of within 0.3 degrees at 60°F or a specific gravity of within 0.0016 at 60/60°F, when compared to the supplier's certificate, or an absolute specific gravity at 60/60°F of greater than or equal to 0.83 but less than or equal to 0.89, or an API gravity at 60°F of greater than or equal to 27 degrees but less than or equal to 39 degrees.
 - b) A kinematic viscosity at 40°C of greater than or equal to 1.9 centistokes, but less than or equal to 4.1 centistokes, if gravity was not determined by comparison with the supplier's certification.
 - c) A flash point equal to or greater than 125°F, and
 - d) A clear and bright appearance with proper color when tested in accordance with ASTM D4176-82.
 2. By verifying an antioxidant type diesel fuel oil stabilizer is added to new fuel added to the storage tanks in accordance with manufacturer's recommendations.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 5 TO FACILITY OPERATING LICENSE NO. NPF-47

GULF STATES UTILITIES COMPANY

RIVER BEND STATION, UNIT 1

DOCKET NO. 50-458

1.0 INTRODUCTION

By letter dated August 4, 1986 as supplemented by letters dated August 15 and September 26, 1986, Gulf States Utilities Company (GSU) (the licensee) requested an amendment to Facility Operating License No. NPF-47 for the River Bend Station, Unit 1. As discussed in the River Bend SSER No. 3, Item 7 to the River Bend Operating License was imposed to ensure that River Bend Station will continue to meet GDC 17 beyond the first refueling outage. Specifically, this license condition requires "Operation beyond the first refueling outage is subject to NRC staff approval based on the staff's final review of the Owners Group generic findings and of the overall design review and quality revalidation program at River Bend."

In June 1986, the NRC staff's generic Safety Evaluation Report (SER) on the operability/reliability of Emergency Diesel Generators (EDG's) manufactured by Transamerica Delaval, Inc. (TDI) was transmitted to GSU. The staff concluded that compliance with the recommendations contained in the generic SER (NUREG-1216) would provide an acceptable, technical resolution of the concerns regarding the performance of TDI EDGs for service at nuclear plants. The staff requested GSU to provide its plans for implementation of the programs identified in the generic staff SER for River Bend, Unit 1. Therefore, by responding acceptably to the staff SER, the licensee would comply with the license condition.

As described in the staff's generic SER, the TDI Owners Group Program Plan consisted of the following major elements:

- (1) Phase I: Resolution of 16 known generic problem areas intended by the Owners Group to serve as an interim basis for the licensing of plants;
- (2) Phase II: A design review/quality revalidation (DR/QR) of a large set of important engine components to assure that their design and manufacture are adequate; and
- (3) Expanded engine tests and inspections to support Phase I and II.

2.0 EVALUATION

By letters dated August 4, August 15 and September 26, 1986, GSU had outlined its plans for implementation of the problems identified in the

staff's generic SER for resolving the TDI reliability issue. Specifically, GSU plans to implement Phase I and II as discussed in the generic SER and the maintenance and surveillance recommendations developed by the Owners Group in Appendix II, Revision 2, of the DR/QR report for RBS; and future TDI recommendations would be evaluated by GSU and would be implemented as appropriate.

The staff has required that any future revisions to the maintenance/surveillance program would be subject to the provisions of 10 CFR 50.59 in view of the importance of this program in ensuring the operability/reliability of the engines over the long term. Furthermore, as described in the staff's generic SER, there are certain components that warrant special emphasis in terms of maintenance/surveillance actions to assure their adequate service. The staff requested GSU to submit these maintenance/surveillance actions in the form of proposed license conditions as specified by the generic SER. Accordingly, by letter dated August 4, 1986, the licensee has proposed a revision to Attachment 3 of the River Bend operating license as well as a revision to Technical Specification 4.8.1.1.2.f.1. This revision to the technical specifications would change the required inspection interval for the TDI EDG's from once every 18 months to once every refueling outage, which conforms to the interval recommended by the TDI Owners Group.

By letter dated April 1, 1987, the staff informed the licensee of clarifications to the generic SER contained in NUREG-1216. In telephone conversations with the licensee on May 11 and 12, 1987, documented by letter dated May 21, 1987, the staff identified deficiencies in the licensee's proposed revisions to Attachment 3 of its operating license. The staff will continue its review on Attachment 3 pending revision to the proposed amendment by the licensee.

In its request of August 4, 1986 as amended on August 15, 1986, the licensee proposed amending Technical Specification 3/4.8.1.1.2.f.1 to require inspection of the River Bend TDI EDG's every refueling outage in accordance with procedures prepared in conjunction with the manufacturer's recommendation. The current Technical Specifications require inspection every 18 months. The staff finds the licensee proposal acceptable in this area as it is consistent with the generic SER (NUREG-1216).

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical

exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has concluded, based on the considerations discussed 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 this amendment will not be inimical to the common defense and the security nor to the health and safety of the public.

Principal Contributor: S. M. Stern

Dated: June 4, 1987