

November 20, 1989

Docket No. 50-458

Gulf States Utilities
ATTN: Mr. James C. Deddens
Senior Vice President (RBNG)
Post Office Box 220
St. Francisville, LA 70775

Dear Mr. Deddens:

SUBJECT: RIVER BEND STATION, UNIT 1 - AMENDMENT NO. 40 TO FACILITY
OPERATING LICENSE NO. NPF-47 (TAC NO. 73591)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 40 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 June 23, 1989.

The amendment adds two Gould Type HE43 breakers to Table 3.8.4.1-1, "Primary Containment Penetration Conductor Overcurrent Protection Devices". These circuit breakers will provide primary containment penetration conductor overcurrent protection for circuits providing power to two 480V receptacles in the drywell that are to be used to power tools and other temporary equipment during future outages.

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

Sincerely,

/s/

Walter A. Paulson, Project Manager
Project Directorate IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 40 to License No. NPF-47
2. Safety Evaluation

cc w/enclosures:

See next page

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

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

Sincerely,

A handwritten signature in cursive script that reads "Walter A. Paulson".

Walter A. Paulson, Project Manager
Project Directorate IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 40 to
License No. NPF-47
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. James C. Deddens
Gulf States Utilities Company

River Bend Nuclear Plant

cc:

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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. 40
License No. NPF-47

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Gulf States Utilities Company (the licensee) dated June 23, 1989, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and 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 license 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.

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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. 40 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.

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

FOR THE NUCLEAR REGULATORY COMMISSION


Frederick J. Hebdon, 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: November 20, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 40

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 vertical lines indicating the areas of change. The overleaf page is provided to maintain document completeness.

REMOVE PAGE

3/4 8-31

INSERT PAGE

3/4 8-31

TABLE 3.8.4.1-1 (Continued)

PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTION DEVICES

C. 480 VAC Molded Case Circuit Breakers (Continued)

2. Gould Circuit Breaker Type A822 with Gould Starter/Controller
Type FVR Size 1 (Continued)

<u>Location</u>	<u>Cubicle</u>	<u>Equip. No.</u>
1EHS*MCC2K	3D	1E12*MOVFO42B
1EHS*MCC2K	4A	1E12*MOVFO09
1EHS*MCC2K	4D	1G33*MOVFO53
1EHS*MCC2K	5A	1G33*MOVFO40
1EHS*MCC2K	6C	1HVN*MOV102
1EHS*MCC2K	6D	1E12*MOVFO37B
1EHS*MCC2K	7D	1CCP*MOV158
1NHS-MCC2A	1C	1B21-MOVFO01
1NHS-MCC2A	1D	1B33-MOVFO23A
1NHS-MCC2A	5C	1G33-MOVFO102
1NHS-MCC2A	5D	1B33-MOVFO67A
1NHS-MCC2A	7D	1G33-MOVFO106
1NHS-MCC2B	3B	1G33-MOVFO42
1NHS-MCC2B	3C	1B21-MOVFO02
1NHS-MCC2B	4D	1G33-MOVFO44
1NHS-MCC2B	5D	1G33-MOVFO100
1NHS-MCC2B	6D	1G33-MOVFO101
1NHS-MCC2D	2E	1B21-MOVFO05
1NHS-MCC2D	3D	1B33-MOVFO67B
1NHS-MCC2D	4D	1B33-MOVFO23B
1NHS-MCC2E	3A	1G33-MOVFO31
1NHS-MCC2E	5E	1G33-MOVFO107
1NHS-MCC2F	2D	1G33-MOVFO104
1NHS-MCC8A	4E	1C11-MOVFO03

3. Gould Circuit Breaker Type HE43

1NHS-MCC2A	2B	1POP-WR2G01
1NHS-MCC2A	2C	1POP-WR2A01
1NHS-MCC2A	2D	1POP-WR2A02
1NHS-MCC2A	3B	1POP-WR2G02
1NHS-MCC2C	1CT	1H22-PNLP008
1NHS-MCC2D	5C	1POP-WR2D01
1NHS-MCC2D	5D	1POP-WR2D02
1NHS-MCC8A	1E	1F15-E006
1NHS-MCC8A	2D	1F15-E005
1NHS-MCC8A	4C	1F11-E012
1NHS-MCC8A	6B	1FNR-P06
1NHS-MCC8A	6C	1FNR-P08
1NHS-MCC8B	2A	1FNR-P07
1NHS-MCC2F	2A	1POP-WR2F01
1NHS-MCC2F	2B	1JRB-EL1A
1NHS-MCC2E	3C	1MHR-CRN2
1NHS-MCC2A	3A	1FNR-P09
1NHS-MCC2A	4A	1FNR-P10
1NHS-MCC2B	1C	1FNR-P11
1NHS-MCC8A	3D	1MHR-CRN3

TABLE 3.8.4.1-1 (Continued)

PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTION DEVICES

C. 480 VAC Molded Case Circuit Breakers (Continued)

4. Gould Circuit Breaker Type A80 with Gould Starter/Controller
Type FVNR Size 3

<u>Location</u>	<u>Cubicle</u>	<u>Equip. No.</u>
1EHS*MCC2A	2C	1C41*C001A
1EHS*MCC2B	2C	1C41*C001B
1NHS-MCC2B	2D	1C41*D003
1NHS-MCC2E	1D	1B33-D003A1
1NHS-MCC2E	6D	1B33-D003A4
1NHS-MCC2F	4D	1B33-D003B1
1NHS-MCC2F	6D	1B33-D003B4

5. Gould Circuit Breaker Type A80 with Gould Starter/Controller
Type 2SP1W Size 4

1NHS-MCC102A	1C	1DRS-UC1A
1NHS-MCC102A	2C	1DRS-UC1C
1NHS-MCC102A	3B	1DRS-UC1E
1NHS-MCC102B	1C	1DRS-UC1B
1NHS-MCC102B	2C	1DRS-UC1D
1NHS-MCC102B	3B	1DRS-UC1F

6. Gould Circuit Breaker with Type A821 Gould Starter/Controller
Type FVNR Size 2

1NHS-MCC8B	1D	1F42-E001
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D. Air Circuit Breakers - GE Type ARR

<u>Location</u>	<u>Device No.</u>	<u>Location</u>	<u>Device No.</u>	<u>Equip. No.</u>
1EJS*LDC2B	ACB79	1EJS*LDC2B	ACB78	1HVR-UC1C
1EJS*LDC2A	ACB36	1EJS*LDC2A	ACB38	1HVR*UC1A
1EJS*LDC2A	ACB22	1EJS*LDC2A	ACB38	1MHR*RN1C
1EJS*LDC2B	ACB76	1EJS*LDC2B	ACB78	1HVR*UC1B
1EJS*LDC2A	ACB23	1HCS*PWR51A	Int. Fuse	1HCS*RBNR1A
1EJS*LDC2B	ACB63	1HCS*PWR51B	Int. Fuse	1HCS*RBNR1B



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 40 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 June 23, 1989, 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 would add two Gould Type HE43 circuit breakers to Table 3.8.4.1-1 of the Technical Specifications. These circuit breakers would provide primary containment conductor overcurrent protection for circuits providing power to two 480V receptacles in the drywell.

During the first refueling outage and previous outages, maintenance and construction work at River Bend Station required that temporary power cables be run into the drywell. To avoid running temporary power cables for outages, the licensee decided to provide two 480V receptacles in the drywell to power tools and other temporary equipment during future outages.

2.0 EVALUATION

GSU has proposed changes to the Technical Specifications to include two additional circuit breakers in Table 3.8.4.1-1, "Primary Containment Penetration Conductor Overcurrent Protection Devices." These circuit breakers will feed 480V receptacles in the drywell to power tools and other temporary equipment during outages and require the use of a containment electrical penetration. River Bend safety analysis report Section 8.3.1.1.4.3 states that containment electrical penetration assemblies are designed to withstand, without loss of mechanical integrity, the maximum fault current versus time condition which could occur because of single random failure of circuit overload protective devices.

Overload protection of electrical protection 480V motor control center power circuits is provided by a series-connected molded case circuit breaker and fuse; each rated to open the circuit during overload conditions, thus providing redundant protection. The circuit protection design provided for the two receptacles in this proposed change conforms to these requirements. Also, the design is identical to the configuration for receptacle 1POP-WRZA01 already listed on Technical Specification Table 3.8.4.1-1. The new receptacles perform no safety-related function and no safety-related systems, other than the containment penetrations are affected by this modification. The conduit, cable and equipment associated with this modification are being installed in accordance with IEEE 384.

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The NRC staff has reviewed the licensee's submittal and has found that the electrical penetration assembly for the two receptacles is designed to withstand, without the loss of mechanical integrity, the maximum available fault current versus time conditions that could occur given single random failures of circuit overload protective devices, as recommended by Regulatory Guide 1.63; therefore, the staff finds that the proposed change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment involves a change in requirements with respect to 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 exposures. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the 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 the amendment will not be inimical to the common defense and security or to the health and safety of the public. The staff therefore concludes that the proposed changes are acceptable.

Dated: November 20, 1989

Principal Contributor: N. Trehan