

October 26, 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

~~DISTRIBUTION~~

~~Docket File~~

NRC PDR

LPDR

PD4 Rdg.

FSchroeder

JCalvo

WPaulson

PNoonan (3)

OGC-Bethesda

DHagan

EJordan

JPartlow

TBarnhart (4)

Wanda Jones

EButcher

ACRS (10)

ARM/LFMB

GPA/PA

Plant File

J. Joyce

Dear Mr. Deddens:

SUBJECT: RIVER BEND STATION, UNIT 1, AMENDMENT NO. 14 TO FACILITY
OPERATING LICENSE NO. NPF-47 (TAC NO. 65994)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 14 to Facility Operating License No. NPF-47 for the River Bend Station, Unit 1. The amendment consists of changes to license condition 2.C(14), Attachment 5, Item 2 and addition of a new item 3 in response to your application dated August 5, 1987 as supplemented August 24, 1987.

This amendment defers the installation of neutron flux instrumentation that conforms to Regulatory Guide 1.97, Revision 2, from prior to startup from the first refueling outage until prior to startup from the second refueling outage.

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

Sincerely,

13)

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. 14
to License No. NPF-47
2. Safety Evaluation

cc w/enclosures:
See next page

LTR NAME: RIVER BEND AMENDMENT TAC 65994

*See previous concurrences:

PD4/LA*

PD4/PM*

ICSB*

OGC-Bethesda*

PD#4/D

PNoonan

WPaulson:

JJoyce

10/09/87

JCalvo

10/01/87

10/01/87

10/05/87

10/26/87

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PDR ADOCK 05000458
P PDR

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Docket File	OGC-Bethesda	ARM/LFMB
NRC PDR	DHagan	GPA/PA
LPDR	EJordan	Plant File
PD4 Rdg.	JPartlow	
FSchroeder	TBarnhart (4)	
JCalvo	Wanda Jones	
WPaulson	EButcher	
PNoonan (3)	ACRS (10)	

Dear Mr. Deddens:

SUBJECT: RIVER BEND STATION, UNIT 1, AMENDMENT NO. TO FACILITY
OPERATING LICENSE NO. NPF-47 (TAC NO. 65994)

*and add. item 3
a new item 3*
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cc w/enclosures:
See next page

LTR NAME: RIVER BEND AMENDMENT TAC 65994

PD4/LA *on*
PNoonan
10/1/87

PD4/LA *WAP*
WPaulson:
10/1/87

1050
10/5/87

OGC-Bethesda
10/9/87

PD#4/D
JCalvo
/ /87

*10-9-87
WPA*

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. 14
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 5, 1987 as supplemented August 24, 1987, 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 license condition 2.C(14), Attachment 5, Item 2 of Facility Operating License No. NPF-47. Attachment 5 is hereby amended to read as follows:

-
ATTACHMENT 5
TO-NPF 47
EMERGENCY RESPONSE CAPABILITIES

GSU shall complete the following requirements of NUREG-0737 Supplement #1 on the schedule noted below:

1. Actions and schedules for correcting all human engineering discrepancies (HEDs) identified in the "Detailed Control Room Design Review Summary Report" dated October 31, 1984 and Supplements dated May 14, June 12, 1985, and July 31, 1985, shall be implemented in accordance with the schedule committed to by GSU in the summary report and supplements and accepted by the NRC staff in Section 18.1 of SSER 3.
2. Prior to startup following the first refueling outage, GSU shall implement modifications (installation or upgrade) for those items listed below consistent with the guidance of Regulatory Guide 1.97, Revision 2 unless prior approval of an alternate design of these items is granted by the NRC staff. These items as listed in GSU's letter of June 24, 1985 are:
 - a) coolant level in the reactor;
 - b) suppression pool water level;
 - c) drywell atmosphere temperature;
 - d) primary system safety relief valve position;
 - e) standby liquid control system storage tank level;
 - f) emergency ventilation damper position; and
 - g) airborne radiohalogens and particulates.
3. Prior to startup following the second refueling outage, GSU shall implement modifications (installations or upgrade) for neutron flux monitoring consistent with the guidance of Regulatory Guide 1.97, Revision 2 unless prior approval of an alternate design is granted by the NRC staff.

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

Date of Issuance: October 26, 1987



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 14 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 5, 1987 as supplemented August 24, 1987, 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 modify license condition 2.C(14), Attachment 5, Item 2, to defer the installation of neutron flux instrumentation that conforms to Regulatory Guide 1.97, Revision 2, from prior to startup from the first refueling outage until prior to startup from the second refueling outage. License condition 2.C(14), Attachment 5, Item 2, requires that prior to startup from the first refueling outage, the licensee shall implement modifications (installation or upgrade) for eight items consistent with the guidance of Regulatory Guide 1.97, Revision 2 unless prior approval of an alternate design of these items is granted by the NRC staff. These items are:

- a) neutron flux;
- b) coolant level in the reactor;
- c) suppression pool water level;
- d) drywell atmosphere temperature;
- e) primary system safety relief valve position;
- f) standby liquid control system storage tank level;
- g) emergency ventilation damper position; and
- h) airborne radiohalogens and particulates.

On June 30, 1986, the NRC staff issued a safety evaluation (SE) regarding the River Bend Station conformance to Regulatory Guide 1.97. This safety evaluation concluded that the River Bend Station design was acceptable except for neutron flux instrumentation. The staff found that the existing neutron flux instrumentation was acceptable for interim operation; however, the SE concluded that prior to startup from the first refueling outage, the licensee must install or upgrade the neutron flux instrumentation to conform to Regulatory Guide 1.97, Revision 2, and 10 CFR 50.49. The license condition also requires that the other items, listed above, be installed or upgraded prior to startup from the first refueling outage.

By letter dated August 5, 1987, as supplemented August 24, 1987, the licensee requested that the implementation date for the installation or upgrade of the neutron flux instrumentation be changed from prior to the first refueling outage to prior to startup following the second refueling outage.

2.0 EVALUATION

The licensee states that they have followed the industry development of neutron flux instrumentation that meets Regulatory Guide 1.97 and, until recently, they have not been able to evaluate newly developed equipment. The licensee indicated that, currently, a licensing topical report is being prepared to present the BWR Owner's Group position on Regulatory Guide 1.97 requirements for neutron flux instrumentation. The licensee further states that due to the status of this work, scheduling, procurement and installation of a licensed system meeting the requirements of RG 1.97 is not possible during the first refueling outage.

Because Category 1 neutron flux monitoring systems that potentially meet all of the criteria of Regulatory Guide 1.97 have only recently become available to the industry and there is existing neutron flux instrumentation that the staff found acceptable for interim operation, and because there are unrelated systems in place to provide operators with sufficient data to assess reactor conditions (e.g., control rod position monitors, reactor vessel level and pressure monitors) in the unlikely event of an accident condition, the staff finds that the licensee's request for extension to the second refueling outage is acceptable.

In reaching this finding, the staff observed that developments by suppliers of neutron flux monitoring systems should make unnecessary any further deferral of compliance with this license condition.

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 security or to the health and safety of the public. The staff therefore concludes that the proposed changes are acceptable, and they are hereby incorporated into the River Bend Unit 1 license.

Principal Contributor: W. Paulson

Dated: October 26, 1987