GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775

AREA CODE 504 635-6094 346-8651

July 19, 1985
RBG- 21,582
File No. G9.5, G9.20.8

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

River Bend Station-Unit 1
Docket No. 50-458

This response addresses a request for additional information from Mr. W. R. Butler to Mr. W. J. Cahill, Jr. dated July 17, 1985 and supplements Gulf States Utilities Company's (GSU) June 19, 1985 (RBG-21,331) environmental qualification letter to Mr. Harold R. Denton from Mr. J. E. Booker. Attachment 1 provides a summary listing of River Bend Station Justifications for Interim Operation (JIO). Included in Attachment 1 is the current JIO schedule and information on plant shutdowns required due to equipment replacement in order to close a JIO. Attachment 2 supplements GSU's response to generic item numbers 2 and 4 in Attachment 2 to GSU's June 19, 1985 letter. Attachment 3 provides confirmation on specific item numbers 6(SRN-228212-1) and 9(SRN-228218-3) in Section B of Attachment 2 to GSU's June 19, 1985 letter.

Sincerely,

J. E. Booker

J. E. Booker
Manager-Engineering,
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEB/JGP/LS/RJK/je

Attachments

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ATTACHMENT 1

RBS
ENVIRONMENTAL QUALIFICATION
SUMMARY LISTING OF
JUSTIFICATIONS FOR INTERIM OPERATION (JIO)

SRN No.	Rev. No.	Description	Schedule Completion	Required Shutdown
211161-6	0	Cable Repair Kits	September 1985	N/A
211161-8	1	Raychem Heat-Shrink	September 1985	N/A
211161-10	1	Heat Tracing	November 1985	N/A
225220-1	0	Standby Gas Treatment	September 1985	N/A
228214-2	2	Motor-Operated Valve	November 1985	Yes(1)
237160-2	1	Pump Motors	October 1985	N/A
241242-1	1	Rockbestos Cable	November 1985(2)	N/A
242533-1	0	Load Centers	November 1985	N/A
242562-1	0	Motor Control Centers	November 1985(2)	N/A
247250-1	1	Digital Radiation Monitoring	October 1985	N/A
247411-3	1	Control Switches	July 1985	N/A
247433-1	4	Flow Detecting Elements	August 1985	N/A
247497-1	1	Electrohydraulic Actuators	November 1985	N/A
C01	0	Rosemount Transmitters	August 1985(2)	N/A

Notes:

N/A - No new equipment is currently scheduled to be installed to replace existing equipment (Not Applicable).

(1) - The SMB actuators have been received onsite and are scheduled to be installed prior to fuel load. However, if for some unforeseen circumstance installation prior to fuel load is not achieved then installation will be scheduled during a plant shutdown prior to November 1985.

(2) - Revised dates.

ATTACHMENT 2

This information supplements GSU's response to generic items 2 and 4 provided in its June 19, 1985 letter (RBG-21,331). To provide additional assurance that a generic concern does not exist, an engineering audit of the qualification documentation for eight pieces of equipment within the scope of 10CFR50.49 was performed by GSU. The following equipment was reviewed:

Mark #	SCEW Sheet *	Description
B21-F041A	S19	MS SRV Solenoid Pilot Valve
B21-N044C	C01-3	Level Transmitter
1CMS*SOV33B	247501-1	Solenoid Activated Valve
1EJS*X2B	242533-2	Transformer, 1500 kVA
1GTS*FN2A	215400-2	Fan
1GTS*TS5A	225220-3	Temperature Switch
1HRV*AOV126	228241-1	Limit Switch
1SCV*PNL2G1	242421-1	120 V Distribution Panel

Specifically, the engineering audit addressed the following for each of the eight items selected:

- Safety Function
- Test Acceptance Criteria
  - DBA
  - Operability
- Test Equipment identified and test results documented and approved.
- Acceptability for RBS

A sample of the 'Engineering Mini-Audit Checklist' is attached.

GSU's review confirms that (in response to generic item no. 2) all parameters of concern are adequately tested, meet the requirements of RBS, and are properly documented in accordance with the requirements of 10CFR50.49 and that (in response to generic item no. 4) an auditable link has been established between plant equipment and tested equipment.

RIVER BEND STATION
ENGINEERING MINI-AUDIT CHECKLIST
ELECTRICAL EQUIPMENT ENVIRONMENTAL QUALIFICATION
(Excludes Seismic Qualification)

Mark No. _____

I. Equipment Description: _____

_____

Mfgr. _____ Model No. _____

Spec. No. _____ P. O. No. _____

SCEW Sheet No./Rev./Date _____/____/_____

II. Location (Environmental Zone): _____

_____ Inside Containment

_____ Outside Containment

III. Qualification Parameters:

Safety Function: _____

_____

	Required	Demonstrated	Acceptable	Reference
Temperature (^{O}F)				
Pressure (PSI)				
Humidity (%RH)				
Radiation (RADs TID)				
Spray/Froth				
Submergence				
Accuracy				
Response Time				
Operating Period (PAOT)				
Leakage Current				
Insulation Resistance				
Other: _____				
_____				
_____				

IV. The safety functions and parameters of concern for the RBS specific equipment have been reviewed and:

The tested equipment is properly identified _____
Data are applicable for RBS equipment _____
Data are acceptable for RBS application _____
Data are approved and documented _____

Abbreviations: Y = Yes, N = No, X = Applicable, NA = Not Applicable

RIVER BEND STATION
ENGINEERING MINI-AUDIT CHECKLIST
ELECTRICAL EQUIPMENT ENVIRONMENTAL QUALIFICATION
(Excludes Seismic Qualification)

Mark No. _____

XI. Audit Conducted by (print name): Gregory K. Henry, P.E.

_____ _____
Signature Date

References:

Notes:

ATTACHMENT 3

Supplemental Information to GSU's
June 19, 1985 letter (RBG-21,331)

6. SRN-228212-1

Grease relief valves are supplied only on actuators designed for in-containment service. The relief valves are installed properly. The NRC question during the EQ audit walkdown was with respect to the dust cover on the grease relief valve which was left in place. These covers will be removed after installation. Even if the cover, which is made of a plastic material, was left in place this would be without consequences for the safety-function of the operator.

9. SRN-228218-3

The ASCO solenoid requires installation in accordance with ASCO instruction manual V5967 R1 published in 1981. This manual did not identify the requirement for ASCO I&M form V5380 which is required only for disassembly or assembly of ASCO NP8316 explosionproof/watertight solenoids. Nonconformance & Disposition (N&D) No. 12,089 will be issued requiring rework to ensure torquing of enclosures of the affected valves to the required 135±10 in-lb.

An evaluation of safety impact was made and it was determined that failure of these solenoids under LOCA conditions is without safety significant consequences.