



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

JUN 27 1985

Docket No. 50-458

APPLICANT: Gulf Station Utilities

FACILITY: River Bend Station, Unit No. 1

SUBJECT: CONVERSATION WITH DR. D. OKRENT ON DEFERRAL OF ACRS
MEETING ON RIVER BEND STATION

SUMMARY

On June 9, 1985, the staff discussed with Dr. Okrent and Mr. Savio of ACRS progress in preparation for the scheduled July ACRS meeting on hydrogen control at River Bend Station (RBS). ACRS had earlier requested both applicant and staff to present to their assessment of the hydrogen control issue to support ACRS recommendation for a full power license at RBS.

The project manager, Mr. Stern, informed the ACRS that due to substantial slippages in the applicants' submittals on hydrogen control, the staff could not support a July ACRS meeting. All parties agreed that once the applicant submitted the required inputs to the staff, the staff would review these inputs for adequacy and reschedule the meeting.

BACKGROUND

On July 17, 1984, the ACRS issued a letter to Chairman Palladino stating that RBS "...can be operated at power levels up to 5% of full power without undue risk to the health and safety of the public" (Enclosure 1).

However, ACRS stated that they would complete their review of full power operating license when both the applicant and staff had made sufficient additional progress in resolving the matter of hydrogen control.

On February 1, 1985, GSU informed the staff in writing that GSU would submit the results of the CLASIX-3 Computer Code by February 15, 1985 and the results of limited equipment survivability analysis by March 15, 1985 (see Enclosure 2). Both items are necessary for the staff assessment of hydrogen control issues for River Bend.

The applicant had not yet submitted these inputs to NRC as of June 6, 1985. In addition, the staff requested at least one month to assess hydrogen control at River Bend and the ACRS requires written staff assessment two weeks in advance of the subcommittee meeting to review this issue. Therefore the staff will not be able to support a mid-July ACRS meeting. This meeting will be scheduled following the staff's assessment of GSU's submittals regarding this issue and pending Dr. Okrent's availability.

Original signed by:

Stephen Stern, Project Manager
Licensing Branch No. 2
Division of Licensing

Participants:

<u>NRR</u>	<u>ACRS</u>
S. Stern	D. Okrent
C. Stahle	Savio
R. Hernan	

cc: H. Denton
H. Thompson
D. Okrent
R. Savio
C. Stahle
T. Novak
W. Butler
A. Notafranasco, CSB
J. Kudrick, CSB

DISTRIBUTION

Docket File

LB#2 Reading

EHylton

SStern

PDR

ALPDR

DL:LB#2

*SStern:tm

06/24/85

TOSB

*RHernan

06/21/85

DL:LB#2

WButler

06/24/85

WB

The applicant had not yet submitted these inputs to NRC as of June 6, 1985. In addition, the staff requested at least one month to assess hydrogen control at River Bend and the ACRS requires written staff assessment two weeks in advance of the subcommittee meeting to review this issue. Therefore the staff will not be able to support a mid-July ACRS meeting. This meeting will be scheduled following the staff's assessment of GSU's submittals regarding this issue and pending Dr. Okrent's availability.

Stephen Stern, Project Manager
Licensing Branch No. 2
Division of Licensing


Participants:

<u>NRP</u>	<u>ACRS</u>
S. Stern	D. Okrent
C. Stahle	Savio
R. Hernan	

cc: R. Hernan
D. Okrent
R. Savio
C. Stahle
H. Denton
T. Novak
W. Butler
H. Thompson
A. Notaframasco, CSB
J. Kudrick, CSB

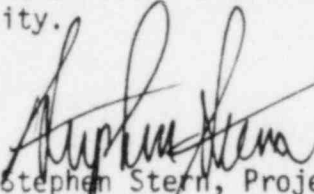
DISTRIBUTION

Docket File
LB#2 Reading
EHylton
SStern


DL:LB#2
SStern:tm
06/24/85

ok by Telephone
393
TOSB DL:LB#2
RHernan WButler
06/21/85 06/ /85

The applicant had not yet submitted these inputs to NRC as of June 6, 1985. In addition, the staff requested at least one month to assess hydrogen control at River Bend and the ACRS requires written staff assessment two weeks in advance of the subcommittee meeting to review this issue. Therefore the staff will not be able to support a mid-July ACRS meeting. This meeting will be scheduled following the staff's assessment of GSU's submittals regarding this issue and pending Dr. Okrent's availability.


Stephen Stern, Project Manager
Licensing Branch No. 2
Division of Licensing

Participants:

<u>NRR</u>	<u>ACRS</u>
S. Stern	D. Okrent
C. Stahle	Savio
F. Hernan	

cc: H. Denton
H. Thompson
D. Okrent
R. Hernan
R. Savio
C. Stahle
T. Novak
W. Butler
A. Notafranasco, CSE
J. Kudrick, CSE

Mr. William J. Cahill, Jr.
Gulf States Utilities Company

River Bend Nuclear Plant

cc: Troy B. Conner, Jr., Esq.
Conner and Wetterhahn
1747 Pennsylvania Avenue, N. W.
Washington, D.C. 20006

Ms. Linda B. Watkins/Mr. Steven Irving
Attorney at Law
355 Napoleon Street
Baton Rouge, Louisiana 70802

Mr. William J. Reed, Jr.
Director - Nuclear Licensing
Gulf States Utilities Company
Post Office Box 2951
Beaumont, Texas 77704

Mr. David Zaloudek
Nuclear Energy Division
Louisiana Department of
Environmental Quality
Post Office Box 14690
Baton Rouge, Louisiana 70898

H. Anne Plettinger
3456 Villa Rose Dr.
Baton Rouge, Louisiana 70806

Richard M. Troy, Jr., Esq.
Assistant Attorney General in Charge
State of Louisiana Department of Justice
234 Loyola Avenue
New Orleans, Louisiana, 70112

Mr. J. David McNeill, III
William G. Davis, Esq.
Department of Justice
Attorney General's Office
7434 Perkins Road
Baton Rouge, Louisiana 70808

Dwight D. Chamberlain
Resident Inspector
Post Office Box 1051
St. Francisville, Louisiana 70775

Gretchen R. Rothschild
Louisianians for Safe Energy, Inc.
1659 Glenmore Avenue
Baton Rouge, Louisiana 70775

James W. Pierce, Jr., Esq.
P. O. Box 23571
Baton Rouge, Louisiana 70893

Mr. Robert D. Martin
U.S. NRC, Region IV
Parkway Central Plaza Building
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, D. C. 20555

Enclosure 1

July 17, 1984

Honorable Nunzio J. Palladino
Chairman
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. Palladino:

SUBJECT: ACRS INTERIM REPORT ON RIVER BEND STATION

During its 291st meeting, July 12-14, 1984, the Advisory Committee on Reactor Safeguards reviewed the application of Gulf States Utilities Company (Applicant), acting on behalf of itself and as agent for the Cajun Electric Power Cooperative, for a license to operate the River Bend Station. A tour of the facilities was made by members of the Subcommittee on the morning of June 7, 1984, and a Subcommittee meeting was held in Baton Rouge, Louisiana on June 7 and 8, 1984 to consider the application. During our review, we had the benefit of discussions with representatives of the Applicant, the NRC Staff, and members of the public. We also had the benefit of the documents referenced. The Committee commented on the construction permit application for this Station in its report dated January 14, 1975.

The River Bend Station is located in West Feliciana Parish, Louisiana on the east side of the Mississippi River approximately 24 miles north-northwest of Baton Rouge. Originally the River Bend Station was to consist of two units. Unit 2 was cancelled on January 5, 1984. Unit 1 is approximately 90% complete, with an estimated fuel load date of April 1985.

The River Bend Station uses a General Electric BWR-6 nuclear steam supply system (NSSS) with a rated core thermal power of 2894 MWt and a Mark III pressure suppression containment system with a design pressure of 15 psig.

The Applicant has structured its organization, and has provided for continuity from project initiation up to and including operation, in a notable manner. This structuring is along project team lines and appears to have provided good control and interfacing among the utility, the general contractor-architect engineer, and the NSSS designer. Further, it appears this structuring has provided this first time nuclear utility with good personnel development for the utility's overall nuclear plant responsibilities. In addition to this, the

8467200224
3pp

July 17, 1984

Applicant has practiced aggressive recruiting and careful selection of qualified people and has phased them into the project in a timely manner.

The dedicated diesel generator that drives the high pressure core spray pump currently depends on cooling water supplied by pumps powered by the other two diesel generators during loss of offsite power conditions. We recommend that the merit of removing this dependency be examined.

The Applicant stated that they plan to conduct a limited probabilistic risk assessment (PRA) for the River Bend Station. We support the proposal to perform a plant-specific PRA and recommend that it include seismic- and fire-induced accident scenarios.

Although River Bend is in a relatively quiet seismic portion of the country, NRC contractor estimates of the recurrence interval for the safe shutdown earthquake are similar to those for most eastern sites. We recommend that the Applicant review, in detail, the seismic capability of the emergency AC power supplies, the DC power supplies, and small components such as actuators, relays, and instrument lines that are part of the decay heat removal system.

The Applicant has proposed to include in the River Bend Emergency Procedures a procedure for venting the containment under certain accident conditions. The bases for the decision to take this action are not yet clear. The NRC Staff has not completed its review of this proposal. We wish to be advised when the NRC Staff has reached a position on this matter and to have an opportunity to comment generically or specifically.

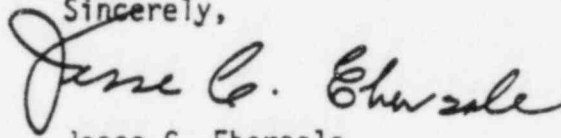
The NRC Staff has identified a number of license conditions and confirmatory matters, and several outstanding issues which remain to be resolved. Except for the matter of hydrogen control, we are satisfied with progress on the other topics and believe that they should be resolved in a manner satisfactory to the NRC Staff. We have not completed our review of hydrogen control for the River Bend Station, particularly as it may be impacted by differences in containment design features between River Bend and Mark III BWRs previously reviewed.

The Committee will complete its review of the full power operating license when the NRC Staff and the Applicant have made sufficient additional progress in resolving the matter of hydrogen control. In the interim, we believe that if due consideration is given to the recommendations above, and subject to satisfactory completion of construction, staffing, and preoperational testing, the River Bend Station can

July 17, 1984

be operated at power levels up to 5% of full power without undue risk to the health and safety of the public.

Sincerely,



Jesse C. Ebersole
Chairman

References:

1. Gulf States Utilities Company, "Final Safety Analysis Report, River Bend Station," Volumes 1-18 and Amendments 1-11
2. U. S. Nuclear Regulatory Commission, "Safety Evaluation Report Related to the Operation of River Bend Station," NUREG-0989, dated May 1984



GULF STATES UTILITIES COMPANY

POST OFFICE BOX 2951 • BEAUMONT TEXAS 77704

AREA CODE 409 838 6631

February 1, 1985
RBG-20062
File No. G9.5,
G9.8.6.2

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

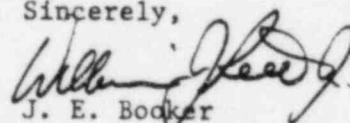
Dear Mr. Denton:

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

Enclosed is the Gulf States Utilities Company (GSU) response to Safety Evaluation Report (SER) Confirmatory Item #19 - Hydrogen Control (SER Section 6.2.5, Page 6-32/33.) Attachment 1 contains the GSU endorsements for various Hydrogen Control Owners Group (HCOG) submittals. These letters should be utilized to provide background and reference material for SER Confirmatory Item #19. Attachment 2 contains a revision to the Request for Additional Information (RAI) on the Hydrogen Ignition System (HIS) transmitted to W. J. Cahill (GSU) by A. Schwencer (Nuclear Regulatory Commission - NRC) on December 2, 1983 and supercedes the original GSU response from J. E. Booker (GSU) to H. R. Denton (NRC) dated December 30, 1983 (GSU Letter No. RBG-16679).

Enclosure 1 contains a revised response to FSAR Question 480.40 (Section 6.2) providing additional information on a RBS-specific Hydrogen Control Program. An FSAR description of the Hydrogen Ignition System based on the information noted above will be provided to the Staff by March 29, 1985. In addition, GSU will submit the results of the CLASIX-3 Computer Code (used to predict containment temperature and pressure) by February 15, 1985. Also the results of a limited equipment survivability analysis and a specific program plan addressing the generic HCOG efforts will be provided by March 15, 1985.

Sincerely,


J. E. Booker

Manager-Engineering,
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEB/WJR/JWL/kt

Attachments (2)
Enclosure (1)

8542270112 tp.