



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

February 7, 1990

*Docket
File*

Docket No. 50-458

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

Dear Mr. Deddens:

SUBJECT: POST-ACCIDENT NEUTRON FLUX MONITORING

Reference: BWR Owners' Group letter (R. F. Janecek) to NRC (T. E. Murley),
"BWR Owners' Group Licensing Topical Report, Position on NRC
Regulatory Guide 1.97, Revision 3, Requirements for Post-
Accident Neutron Monitoring System" (General Electric Report
NEDO-31558), April 1, 1988

The Boiling Water Reactors Owners' Group (BWROG) submitted the referenced document for staff review. This submission proposed functional criteria for post-accident neutron flux monitoring as an alternative to the Category 1 recommendations specified in Regulatory Guide 1.97.

The NRC staff has completed its review of the referenced document. The enclosed letter dated January 29, 1990 and Safety Evaluation find the BWROG position unacceptable. Therefore, neutron flux monitoring instrumentation that conforms to Regulatory Guide 1.97 and 10 CFR 50.49 must be installed at River Bend Station. The schedule for installation shall comply with License Condition 2.C(14), Attachment 5, Item 3 of Facility Operating License No. NPF-47, as modified by Amendment No. 39 to the license.

GSU shall implement modifications (installations or upgrade) for neutron flux monitoring consistent with the guidance of Regulatory Guide 1.97, Revision 2 or the NRC Staff's Safety Evaluation Report of the BWR Owners Group Licensing Topical (NEDO-31558, Position on NRC Regulatory Guide 1.97, Revision 3, Requirements for Post-Accident Neutron Monitoring System). Modifications, if required, shall be completed before restart from the next refueling outage starting after 18 months from the date of receipt of the NRC Staff Evaluation Report on NEDO-31558, but no later than startup from refueling outage No. 4 unless otherwise notified in writing by the NRC staff.

OFB

11

9002220744 900207
PDR ADOCK 05000458
P PNU

Mr. James C. Deddens

- 2 -

If you have any questions regarding the above information, please contact the undersigned on (301) 492-3028.

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

Enclosure:
As stated

cc w/enclosure:
See next page

DISTRIBUTION w/o enclosure:

- Docket File
- NRC PDR
- Local PDR
- PD4 Reading
- G. Holahan MS 13E4
- F. Hebdon
- P. Noonan
- W. Paulson
- OGC-Rockville
- E. Jordan MS MNBB 3701
- B. Marcus
- ACRS (10) MS P-315
- PD4 Plant File

OFC	:PD4/LA	:PD4/PM	:PD4/D	:	:	:	:
NAME	:PNoonan	:WPaulson:bj	:FHebdon	:	:	:	:
DATE	:02/6/90	:02/07/90	:02/7/90	:	:	:	:

OFFICIAL RECORD COPY

Document Name: RB LTR/RG 1.97

Mr. James C. Deddens

- 2 -

If you have any questions regarding the above information, please contact the undersigned on (301) 492-3028.

Sincerely,

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

Enclosure:
As stated

cc w/enclosure:
See next page

Mr. James C. Deddens
Gulf States Utilities Company

River Bend Nuclear Plant

cc:

Troy B. Conner, Jr., Esq.
Conner and Wetterhahn
1747 Pennsylvania Avenue, NW
Washington, D.C. 20006

Mr. J. E. Booker
Manager-Nuclear Industry Relations
P. O. Box 2951
Beaumont, TX 77704

Mr. Les England
Director - Nuclear Licensing
Gulf States Utilities Company
P. O. Box 220
St. Francisville, LA 70775

Mr. William H. Spell, Administrator
Nuclear Energy Division
Office of Environmental Affairs
P. O. Box 14690
Baton Rouge, Louisiana 70898

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
P. O. Box 94095
Baton Rouge, Louisiana 70804-9095

Resident Inspector
P. O. Box 1051
St. Francisville, Louisiana 70775

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

President of West Feliciana
Police Jury
P. O. Box 1921
St. Francisville, Louisiana 70775

Philip G. Harris
Cajun Electric Power Coop. Inc.
10719 Airline Highway
P. O. Box 15540
Baton Rouge, LA 70895

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
Office of Executive Director
for Operations
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011