

December 2, 1992

Docket No. 50-458

Gulf States Utilities  
ATTN: Mr. Philip D. Graham  
Vice President (RBNG)  
Post Office Box 220  
St. Francisville, Louisiana 70775

Dear Mr. Graham:

SUBJECT: RIVER BEND STATION, UNIT 1 - EVALUATION OF TOPICAL REPORT  
EA-CA-91-0001-M, "STEADY STATE CORE PHYSICS METHODS FOR BWR DESIGN  
AND ANALYSIS" (TAC NO. M79641)

By letter dated January 30, 1991, Gulf States Utilities Company submitted Topical Report EA-CA-91-0001-M entitled "Steady State Core Physics Methods for BWR Design and Analysis." The topical report describes steady-state methods and models used by GSU to analyze River Bend Station reloads. Standby liquid control system shutdown margin and quasi-static transient methods for determining thermal margin requirements are included in the topical report. Based on our review of the submittal, as given in the enclosed Safety Evaluation, we find the reload methodology as described in EA-CA-91-0001-M to be acceptable for licensing applications.

Enclosed is the staff's Safety Evaluation along with the Technical Evaluation Report prepared by Brookhaven National Laboratory. This closes the staff's activities on TAC NO. M79641.

Sincerely,

Original Signed By

Edward T. Baker, Senior Project Manager  
Project Directorate IV-2  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation  
w/attachment

cc w/enclosure:  
See next page

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Mr. Philip D. Graham

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River Bend

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