Mr. John R. McGaha, Jr.
Vice President - Operations
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

June 26, 1997

SUBJECT: RIVER BEND STATION, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION ON MAXIMUM EXTENDED LOAD LINE LIMIT IMPLEMENTATION (TAC NO. M97835)

Dear Mr. McGaha:

By letter dated January 20, 1997, Entergy Operations, Inc. requested a change to the technical specifications (TSs) for the River Bend Station (RBS) Facility Operating License No. NPF-47. The change would implement the maximum extended load line limit analysis (MELLLA) for RBS operation.

In our review of the proposed change, we have identified additional information enclosed, which we need in order to complete the review. It is requested that Entergy provide a response within 30 days so that we can complete the review. If you have any questions on our request, please let me know.

Sincerely,

ORIGINAL SIGNED BY:

David L. Wigginton, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-458

Enclosure: Request for Additional Information

cc w/encl: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 26, 1997

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Vice President - Operations
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REQUEST FOR ADDITIONAL INFORMATION
TECHNICAL SPECIFICATIONS CHANGES FOR
MAXIMUM EXTENDED LOAD LINE LIMIT (MELLL) IMPLEMENTATION
ENTERGY OPERATIONS, INC.
RIVER BEND STATION (RBS)
OPERATING LICENSE NUMBER NPF-47
DOCKET NO. 50-458

Explain the basis for the values for the revised average power range monitor (APRM) flow-biased scram and rod-block setpoints. What is the analysis methodology used for determining the new nominal setpoint vs. the allowable value, and has the methodology changed from that used to determine the original setpoints? What was the original design basis for including the flow-biased setpoints and how has the design basis changed such that the setpoints are no longer necessary?

Explain the statement on pg. 3-1 of General Electric (GE) report, "The power/flow state points chosen for analyses of AOOs [anticipated operational occurrences] bound the current licensed operating domain for RBS up to the Increased Core Flow (ICF) region and the MELLL region"? It appears that the 100% power / 75% flow state point was used as a bounding point for the AOOs analyzed in report. For the AOOs reviewed in the report, explain why this point is bounding for flow and power.

Was the turbine trip without bypass event analyzed for MELLL operation? What are the results and is the transient bounded by another transient?

Explain the conservative adder discussed on page 7-3 of GE report for the loss of feedwater heater event, and explain how the adder bounds the event down to 75% core flow?

Explain why the recirculation pump runout is the limiting event for Reactor Internal Pressure Differences as discussed on page 6-1 of the GE report.

ENCLOSURE