



GULF STATES UTILITIES COMPANY

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June 20, 1985
RBG - 21342
File Code-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

Provided below for your review are Gulf States Utilities Company responses to Request for Additional Information identified by the Nuclear Regulatory Commissions Instrumentation and Control Systems Branch (ICSB). This letter supplements information contained in docketed correspondence from J. E. Booker to H. R. Denton dated April 2, 1985 (RBG - 20595) pertaining to the discussions on MDR relays and Optical isolation devices.

The MDR relays and Optical isolation devices are seismically and environmentally qualified for their safety related applications at River Bend Station. Both the MDR relays and the optical isolators are located in a control room mild environment, where the design basis event is a seismic event. The seismic adequacy of these devices has been evaluated and redefined through the qualification of the panel assemblies to meet IEEE 344-75 requirements per the Seismic Qualification Review Team (SQRT) program.

All MDR relays used as isolation devices at River Bend Station are housed in metal enclosures with a metal barrier that separates the coil section of the relay (and its associated wiring).

The acceptance criteria for the AC dielectric testing of the MDR relays was "NO ARCING" across contacts or the ground with 1 KV applied for 1 minute. The device used to perform these tests was a hipotronics testor, (Model 303-B). If the leakage current had exceeded the maximum of 5000 microamps (i.e. 5.0 milliamps), the red light on the testor would light-up and the buzzer would sound. All test data which states "PASS" means that the leakage was less than 5000 microamps, and that no audible or visual sign of arcing occurred. The actual values of leakage current were not recorded, but based on the DC insulation resistance values, they should have been less than 10 microamps, which is typical.

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to request for addl info supplementing util 850402
 discussions on MDR relays & optical isolation
 Ltr provides final response to Confirmatory Item
 of Table 1.4 of SER.

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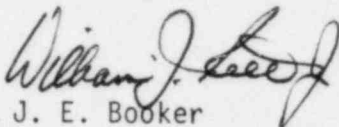
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With the submittal of this information, this letter will provide final response to Confirmatory Item (26) of Table 1.4 of the Safety Evaluation Report.

Sincerely,


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

JEB/WJR/ERG/JEP