



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775

AREA CODE 504 635-6094 346-8651

June 11, 1985
RBG-21274
File No. G9.5

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 for your review is the Gulf States Utilities Company (GSU) Hydrogen Control System actuation criteria which represents the second and final submittal of the preliminary analysis for hydrogen control. As identified in the letter from J. E. Booker (GSU) to H. R. Denton (Nuclear Regulatory Commission-NRC) dated June 4, 1985 (GSU Letter No. RBG-21191), a preliminary analysis for hydrogen control detailed two additional submittals. The first submittal, the RBS containment response to hydrogen combustion using the CLASIX-3 computer code, was included in the letter from J. E. Booker to H. R. Denton dated June 7, 1985 (GSU Letter No. RBG-21218) while this letter represents the second submittal.

As a member of the Hydrogen Control Owners Group (HCOG), GSU is participating in the development of a generic hydrogen ignitor Emergency Procedure Guideline (EPG). When the EPG is finalized, GSU will incorporate the guidance into River Bend Station (RBS) specific procedures as applicable. Until the generic EPG is completed, GSU has provided interim guidance in a RBS Emergency Operating Procedure (EOP). Specifically, the operator is directed to initiate the hydrogen recombiners and ignitors upon core water level reaching the top of active fuel (-160 in.) in Step 3.1 of EOP-004.

Sincerely,

J. E. Booker

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

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