



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775
AREA CODE 504 555-8094 345-9881

September 26, 1988
RBG- 28884
File Nos. G9.5, G9.25.1.4

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

River Bend Station - Unit 1
Docket No. 50-458

Enclosed is Gulf States Utilities Company's Special Report concerning exceeding diesel generator control room Technical Specification temperature limits. This supplemental report is being submitted pursuant to River Bend Station Technical Specification 3/4.7.8 and 6.9.2.

Sincerely,

J. E. Booker
J. E. Booker
Manager-River Bend Oversight
River Bend Nuclear Group

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cc: U.S. Nuclear Regulatory Commission
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Reported Condition

At approximately 2035 hours on 5/31/88, and 1400 hours on 6/1/88, during the performance of surveillance test procedure (STP)-000-0001 "Daily Operating Logs", temperature in the diesel generator (DG) 1B control room, and in the DG 1A control room were identified as above the Technical Specification (3/4.7.8) limit of 104°F. On 6/24/88, Gulf States Utilities Company (GSU) provided a special report to the NRC regarding this occurrence (RBG-28160). Supplements were provided on July 25, 1988 (RBG-28320), and August 24, 1988 (RBG-28562). This supplement to the special report provides the recorded peak temperature in the DG control rooms for 8/19/88 through 9/18/88.

Investigation

It has been determined that the heat generated inside the building by the standby DG "keep warm" system in conjunction with high outside ambient temperatures caused the control room temperatures to exceed the Technical Specification limit.

The following table shows the peak temperature recorded daily during performance of STP-000-0001 from 8/19/88 through 9/18/88.

<u>Date</u>	<u>DG1A CONTROL ROOM TEMP(°F)</u>	<u>DG1B CONTROL ROOM TEMP(°F)</u>
8/19/88	108	110
8/20/88	104	98
8/21/88**		
8/22/88	106	109
8/23/88	108	108
8/24/88	106	109
8/25/88	108	111
8/26/88	108	111
8/27/88	108	103*
8/28/88	90*	92*
8/29/88	101*	105
8/30/88	107	106
8/31/88	107	108
9/01/88	107	108
9/02/88	106	109
9/03/88	105	110
9/04/88	105	108
9/05/88	104	105
9/06/88	101	103
9/07/88	85*	89*
9/08/88	90*	97*
9/09/88	90*	100*
9/10/88	98*	101*

<u>Date</u>	<u>DG1A CONTROL ROOM TEMP(°F)</u>	<u>DG1E CONTROL ROOM TEMP(°F)</u>
9/11/88	100*	102*
9/12/88	103*	105
9/13/88	104*	107
9/14/88	103*	109
9/15/88	105	110
9/16/88	102	103
9/17/88	108	107
9/18/88	106	109

* Room temperatures were reduced while running the main exhaust fans.

** data unavailable

Analysis and Corrective Action

A modification request (MR)86-1389 has been prepared to provide additional cooling to the DG control rooms.

There is no effect on the safety-related equipment located in the DG control rooms because the thermal aging portion of the qualification test program used as its basis a normal temperature distribution of 125°F for 25% of plant life and an average ambient temperature of 85°F for 75% of plant life. Furthermore, the diesel generator control room is considered a mild environment as defined in 10CFR50.49(c)(iii), and as such is excluded from the final rule on environmental qualification. Safety-related equipment located within the diesel generator control rooms which has been identified to be susceptible to significant thermal aging mechanisms (e.g. Agastat relays, electrolytic capacitors) are periodically replaced under equipment qualification preventive maintenance (EQPM) to ensure operability of the equipment.