



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775
AREA CODE 501 635-6094 046-8851

May 21, 1990
RBG- 32874
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 diesel generator control room temperature in excess of the limits of Technical Specification 3.7.8 for greater than eight hours. This supplemental report is being submitted pursuant to River Bend Technical Specification 3.7.8.

Sincerely,

W. H. Odell
Manager-Oversight
River Bend Nuclear Group

TFP/RCW/JHM/DRS/pg

Enclosure

cc: U. S. Nuclear Regulatory Commission
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SPECIAL REPORT

REPORTED CONDITION

Temperatures in diesel generator control rooms 1A and/or 1B were identified as above the Technical Specification (3/4.7.8) limit of 104°F for greater than 8 hours on 4/30, 5/2, 5/3, 5/4, and 5/5/90. The temperature excursions were noted during the performance of STP-000-0001, "Daily Operating Logs". Previous Special Reports have been submitted on 6/24/88, 7/25/88, 8/24/88, 9/26/88, 10/26/88, and 6/26/89 (RBG-28160, RBG-28320, RBG-28562, RBG-28884, RBG-29097, RBG-31153).

INVESTIGATION

The following table shows the highest of the two temperature readings recorded daily during performance of STP-000-0001 from 4/24/90 through 5/12/90.

<u>DATE</u>	<u>DG1A CONTROL ROOM TEMP (°F)</u>	<u>DG1B CONTROL ROOM TEMP</u>
4/24/90	104	102
4/25/90	102	104
4/26/90	101	103
4/27/90	102	104
4/28/90	101	103
4/29/90	102	104
4/30/90	104	105
5/01/90	104	104
5/02/90	105	107
5/03/90	105	104
5/04/90	105	105
5/05/90	106	107
5/06/90	103	104
5/07/90	102	104
5/08/90	102	103
5/09/90	101	101
5/10/90	101	102
5/11/90	99	99
5/12/90	100	102

ANALYSIS AND CORRECTIVE ACTION

The apparent cause of the elevated temperatures is a combination of heat generated inside the building by the standby diesel generator "keep warm" system, high outside ambient temperatures, and insufficient ventilation in the diesel engine room due to undersizing of the engine room normal exhaust fans. An engineering modification request (MR86-1389) has been prepared to increase the capacity of the engine room normal exhaust fans.

The elevated temperatures have no effect on the operability of safety-related equipment located in the diesel generator control room. The diesel generator control room is a mild environment as defined in 10CFR50.49 (c) (iii), and as such is excluded from the final rule on environmental qualifications. Safety-related equipment located within the diesel generator control rooms which has been identified to be susceptible to significant thermal aging mechanisms (e.g. electrolytic capacitors) are periodically replaced under equipment qualification preventive maintenance to ensure operability of the equipment.