



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775
AREA CODE 504 635-8094 346-8651

October 11, 1990
RBG- 33769
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

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RE/PDG/GAB/DCH/AS/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 the below listed dates. 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, 7/19/89, 8/18/89, 9/15/89, 10/16/89, 11/14/89, 5/21/90, 6/27/90, 7/23/90, 8/21/90 and 9/18/90 (RBG-28160, RBG-28320, RBG-28562, RBG-28884, RBG-29097, RBG-31153, RBG-31381, RBG-31519, RBG-31627, RBG-31770, RBG-32874, RBG-33127, RBG-33290, RBG-33422 and RBG-33590 respectively).

INVESTIGATION

The following table shows the highest of the two temperature readings recorded daily during performance of STP-000-0001 from 09/13/90 through 09/30/90.

<u>DATE</u>	<u>DG1A CONTROL ROOM TEMP (°F)</u>	<u>DG1B CONTROL ROOM TEMP</u>
09/13/90	105	107
09/14/90	106	110
09/15/90	107	108
09/16/90	108	110
09/17/90	105	109
09/18/90	107	110
09/19/90	108	111
09/20/90	108	112
09/21/90	103	103
09/22/90	108	109
09/23/90	100	110
09/24/90	100	107
09/25/90	100	85
09/26/90	101	88
09/27/90	100	91
09/28/90	97	92
09/29/90	100	98
09/30/90	100	102

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 rooms. Each 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 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.