



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 210 ST. FRANCISVILLE, LOUISIANA 70775
AREA CODE 504 635-6094 346-8651

June 27, 1990
RBG-33127
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 temperatures in excess of the limits of Technical Specification 3.7.8 for greater than eight hours. The period covered by this supplemental report is from 5/14/90 through 6/25/90 and is being submitted at this time due to an administrative oversight in tracking the report's due date. GSU will submit additional reports in 30 day intervals as long as the situation persists. This report is submitted pursuant to River Bend Station's Technical Specification 3.7.8.

Sincerely,

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

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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, 6/26/89, 7/19/89, 8/18/89, 9/15/89, 10/16/89, 11/14/89, and 5/21/90 (RBG-28160, RBG-28320, RBG-28562, RBG-28884, RBG-29097, RBG-31153, RBG-32874, RBG-31263, RBG-31381, RBG-31519, RBG-31627 and RBG-31770 respectively).

INVESTIGATION

The following table shows the highest of the two temperature readings recorded daily during performance of STP-000-0001 from 5/14/90 through 6/25/90.

<u>DATE</u>	<u>DG1A CONTROL ROOM TEMP (°F)</u>	<u>DG1B CONTROL ROOM TEMP</u>
5/14/90	102	104
5/15/90	99	106
5/16/90	100	106
5/17/90	104	109
5/18/90	105	110
5/19/90	104	105
5/20/90	105	107
5/21/90	104	107
5/22/90	106	108
5/23/90	106	107
5/24/90	105	108
5/25/90	106	108
5/26/90	107	111
5/27/90	108	111
5/28/90	105	110
5/29/90	106	110
5/30/90	105	108
5/31/90	105	108
6/01/90	106	110
6/02/90	106	108
6/03/90	108	110
6/04/90	107	108
6/05/90	107	90
6/06/90	108	102
6/07/90	107	106
6/08/90	108	106
6/09/90	109	112
6/10/90	108	112
6/11/90	110	110

<u>DATE</u>	<u>DG1A CONTROL ROOM TEMP (°F)</u>	<u>DG1B CONTROL ROOM TEMP</u>
6/12/90	107	108
6/13/90	102	108
6/14/90	106	109
6/15/90	109	110
6/16/90	107	112
6/17/90	109	107
6/18/90	106	113
6/19/90	110	113
6/20/90	108	114
6/21/90	110	111
6/22/90	105	111
6/23/90	109	113
6/24/90	109	111
6/25/90	106	113

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, unusually 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.