GULF STATES UTILITIES COMPANY

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

AREA CODE 504 635-6094 346-8651

June 13, 1988
RBG- 28089
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 main steam tunnel Technical Specification Temperature limits. This report is being submitted pursuant to River Bend Station Technical Specification 3/4.7.8 and 6.9.2.

Sincerely,

J. E. Booker by RJK

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

PDR + TFP for RRS
JEB/TFP/PDG/RRS/ch

cc: U.S. Nuclear Regulatory Commission
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IE22
1/1

Special Report

Reported Condition

At approximately 1500 hours on 3/24/88, with the unit in full power operation, during the performance of Surveillance Test Procedure (STP) -000-0001 "Daily Operating Logs", temperature in the north end of the steam tunnel rose above the Technical Specification (3/4.7.8) limit of 122°F. On 4/15/88, GSU provided a special report to the NRC regarding this occurrence (RBG-27691). A supplement to the Special Report was provided on 5/13/88 (RBG-27837). This supplement to the special report provides the recorded peak daily temperature in the north end of the main steam tunnel for 5/12/88 through 6/12/88.

Investigation

Main steam tunnel temperatures approaching and exceeding the Technical Specification limit has been a recurring problem during the combination of full power operation and high outside ambient temperatures.

It is anticipated that this condition will continue to occur while the ambient temperatures remain high during the spring and summer months.

The following temperature shows the peak temperature recorded daily during performance of STP-000-0001 from 5/12/88 through 6/12/88.

Date	Temp(°F)	Date	Temp(°F)
5/12/88	125	5/27/88	127
5/13/88	126	5/28/88	126
5/14/88	125	5/29/88	125
5/15/88	126	5/30/88	126
5/16/88	128	5/31/88	127
5/17/88	128	6/1/88	126
5/18/88	127	6/2/88	130
5/19/88	128	6/3/88	130
5/20/88	127	6/4/88	128
5/21/88	126	6/5/88	128
5/22/88	127	6/6/88	127
5/23/88	127	6/7/88	127
5/24/88	128	6/8/88	127
5/25/88	127	6/9/88	127
5/26/88	127	6/10/88	129
		6/11/88	128
		6/12/88	128

Analysis and Corrective Action

The effects of increasing the temperature limit to 135°F have been evaluated by the Environmental Qualification Group via Modification Request (MR) 86-0342. Calculations have been performed to determine the extent of reduction in qualified life due to a higher bounding temperature limit of 135°F. Calculations have demonstrated that the safety related equipment under the scope of 10CFR50.49 located in the area with the shortest qualified life (NAMCO Limit Switch) will be reduced from 5 years to 4 years if the temperature limit is increased from the present 122°F to 135°F.

IE22 1/1