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G9.23

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

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

Enclosed is a revision to the Gulf States Utilities Company (GSU) River Bend Station (RBS) Final Safety Analysis Report (FSAR) Section 6.2.6.5.1 regarding the Drywell Bypass Leakage Test. This revision supercedes those changes contained in the letter from J.E. Booker (GSU) to H.R. Denton (NRC) dated January 31, 1985 (GSU letter No. RBG-20034) and will be included in a future FSAR amendment.

Sincerely,

Eddie R Grant

for J. E. Booker
Manager-Engineering
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEB/WJR/JWL/je

Enclosure (2 pages)

Boal
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The test pressure for all Type C tested containment isolation valves is 7.60 psig.

The main steam isolation valve leakage will be excluded from the summation for the local leak tests since it is supplied with the positive pressure MSPLCS seal system. Valves serviced by the penetration valve leakage control system (PVLCS) will be included in the computation of 0.60 L_a. 15

The test fluid used to conduct Type C tests will be selected at the time the Type C test is performed. The test fluid selected will be in accordance with 10CFR50, Appendix J. 3

The total acceptable leakage from Type B and C tests is required to be less than 0.60 L_a.

6.2.6.4 Scheduling and Reporting of Periodic Tests

The periodic leakage rate tests are conducted at the intervals described in the technical specifications.

Type B and C tests may be conducted at any time during normal plant operations or during shutdown periods as long as the time interval between any individual Type B or C test does not exceed the maximum allowable interval specified in the technical specifications. Each time a Type B or C test is completed, the overall total leakage rate for all required Type B and C tests is updated to reflect the most recent test results. Type A, B, and C test results are submitted to the NRC in a summary report approximately 3 months after each test.

6.2.6.5 Special Testing Requirements

6.2.6.5.1 Drywell Bypass Leakage Test

On a schedule consistent with ~~Immediately following~~ the drywell structural integrity test described in Section 3.8.3.7, a preoperational drywell bypass leakage test is performed at drywell design pressure. Preoperational and periodic drywell leakage tests at a reduced pressure, defined in the technical specifications, are performed in addition to the preoperational and periodic Type A tests previously described. These drywell leakage tests verify that, over the design life of the plant, no paths for gross leakage from the drywell to the containment air space bypassing the pressure suppression feature exist. The combination of the design pressure and reduced pressure leakage tests also verifies that the drywell can perform adequately for the full range of postulated coolant system

reduced periodic test pressure is less than that required to cause drywell air to flow through the horizontal vents to the wetwell. The drywell atmosphere is allowed to stabilize for a period of 1 hr after attaining test pressure. Leakage rate tests commence after the stabilization period.

The test method is based on drywell atmosphere pressure observations and the known drywell free air volume. The leakage rate is calculated from pressure data, drywell free air volume, and elapsed time.

The periodic drywell bypass leakage test pressures, test duration, and acceptance criteria are specified in the technical specifications. Periodic drywell structural leakage tests are performed at intervals specified in the technical specifications.

The preoperational drywell leakage is required to be no greater than the maximum allowable leakage rate of ~~(Later)~~ 17,340 scfm at drywell design pressure (25 psig) test and maximum allowable leakage rate of ~~(Later)~~ 4,338 scfm at drywell reduced pressure (3 psig) test. Preoperational drywell leakage tests are performed as late as is practical in the construction sequence, but before initial plant operation. The test duration is a minimum of 4 hr, or until the drywell pressure decreases to atmospheric.

Preoperational tests of the main steam positive leakage control system and the penetration valve leakage control system shall be performed to ensure that these systems meet the requirements of 10CFR50, Appendix J. The basis for the acceptable fluid leakage rates is established in the Technical Specifications. The main steam positive leakage control system and the penetration valve leakage control system can deliver seal fluid sufficient to assure the sealing function for at least 30 days at a pressure of 1.10 P_a.