



GULF STATES UTILITIES COMPANY

POST OFFICE BOX 2951 • BEAUMONT, TEXAS 77704

AREA CCDE 409 838 6631

January 31, 1985
RBG-20,034
File No. G9.5, G9.23
G9.8.6.2

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

Attached for your review is an FSAR change to Section 6.2.6.5.1 concerning the upcoming Drywell Bypass Leakage Test. This change provides the maximum allowable leakage rates and a revised minimum duration for the tests. Gulf States Utilities Company has reduced the minimum test duration on the following bases:

- 1) The new minimum test duration is sufficient to establish the leakage rate, and
- 2) Leakage at the maximum allowable rate would depressurize the drywell volume to atmospheric within this minimum test duration.

Sincerely,

Eddie R. Grant

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

JEB/WJR/ERG/lp

Enclosure

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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)~~ at drywell reduced pressure (3 psig) test. 4338 scfm. 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 hrs~~ 30 min.

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 Pa.