

DUKE POWER COMPANY

P.O. BOX 53189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

December 3, 1982

TELEPHONE
(704) 373-4531

REG REGION II
DEC 7 AIO: 52

✓ Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Subject: McGuire Nuclear Station
Docket No. 50-370

Reference: RII:PRB
50-370/82-27

Dear Mr. O'Reilly:

Please find attached a response to Deviation Item 50-370/82-27-01 which was identified in IE Inspection Report 50-370/82-27. Duke Power Company does not consider any information contained in this report to be proprietary.

Very truly yours,

H. B. Tucker / HBT

Hal B. Tucker

WHM/php
Attachment

cc: Senior Resident Inspector
McGuire Nuclear Station

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION

Response to IE Inspection Report 50-370/82-27

Deviation Item 50-370/82-27-01

American National Standard, "Containment System Leakage Testing Requirements (ANSI/ANS 56.8 - 1981)," paragraph 5.2.1 states that:

"If the containment structural integrity test above Pac precedes the containment leakage rate test, the pressure shall be reduced to less than 85% Pac for at least 24 hours prior to repressurizing to Pac for the leakage rate test."

Contrary to the above, after performance of the structural integrity test at 31.31 psia on September 25, 1982, the licensee reduced the pressure to Pac (29.42 psia) to perform the containment leakage rate test without going below Pac for 24 hours to allow for outgassing of trapped air. Further, the licensee had not performed a quantitative evaluation to determine what effect outgassing of trapped air would have on leakage rate test results.

Response

Duke Power Company agrees that after performance of the structural integrity test, the pressure on Unit 2 was reduced to Pac to perform the Integrated Leak Rate Test (ILRT) without going below Pac for 24 hours to allow for outgassing of trapped air. The procedure of lowering pressure to allow for outgassing is recommended in industry standard, ANSI/ANS 56.8, 1981. Duke Power Company does not feel that the above recommended standard is appropriate to apply to McGuire Nuclear Station and it has not been committed to, therefore, no deviation occurred. The ILRT procedure has previously been reviewed by the NRC and no changes were required. The Unit 1 and Unit 2 procedures for this test are identical and agree with the Test Abstract in Chapter 14 of the McGuire Nuclear Station Final Safety Analysis Report.

An evaluation was performed to determine what effect the outgassing of trapped air would have on the test results. The evaluation determined that due to the time lapse between the structural integrity test and the time that data was taken for the ILRT, there was time for outgassing to occur and therefore outgassing had no effect on the test results. No corrective actions have been deemed necessary.