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50-261

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SUBJECT:

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LICENSEE EVENT REPT (RO 50-261/78-02) ON 01/11/78 CONCERNING
RHR-744B FAILED TO FUNCTION PROPERLY DURING THE PERFORMANCE OF PT
2. 8A AND WAS DECLARED OUT OF SVC.

PLANT NAME: H B ROBINSON - UNIT 2

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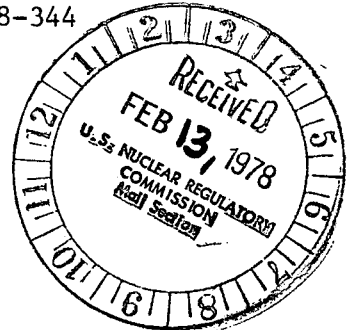
3031
Carolina Power & Light Company
February 8, 1978

REGULATORY DOCKET FILE COPY

FILE: NG-3516 (R)

SERIAL: GD-78-344

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 1217
230 Peachtree Street, N.W.
Atlanta, Georgia 30303



H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 78-02

Dear Mr. O'Reilly:

In accordance with Section 6.9.2.b of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the attached Licensee Event Report is submitted. This report fulfills the requirement for a written report within thirty (30) days of a reportable occurrence and is in accordance with the format set forth in Regulatory Guide 1.16, Revision 4.

Yours very truly,

A handwritten signature in cursive script, appearing to read "H. R. Banks".

H. R. Banks
Manager
Nuclear Generation

DCS:as

Attachment

cc: Messrs. W. G. McDonald
E. Volgenau

780460015

A002/S*
0/1

[PLEASE PRINT ALL REQUIRED INFORMATION]

EVENT DESCRIPTION

CAUSE DESCRIPTIONPERSONNEL EXPOSURESPERSONNEL INJURIESOFFSITE CONSEQUENCES

LOSS OR DAMAGE TO FACILITY

PUBLICITY

ADDITIONAL FACTORS

GPO 891-667

Supplementary Information For
Reportable Occurrence 78-2

1. Report No.: 50-261/78-2
- 2a. Report Date: February 2, 1978
- 2b. Occurrence Date: January 11, 1978
3. Facility: H. B. Robinson Unit No. 2, Hartsville, South Carolina 29550
4. Identification of Occurrence: On January 11, 1978 at 2125 hours, motor operated valve RHR-744B was declared out of service because it failed to function properly during performance of the Inservice Inspection Periodic Test, PT 2.8A (Residual Heat Removal Component Test). This constitutes a reportable occurrence in accordance with Paragraph 6.9.2.b.2 of the Technical Specifications.
5. Conditions Prior to Occurrence: No unusual conditions prevailed prior to the occurrence. The plant was operating at steady state conditions and at 100% power level.
6. Description of Occurrence:
 - a. At 2125 hours on January 11, 1978 during performance of the Periodic Test, PT 2.8A (Residual Heat Removal Component Test), valve RHR-744B failed to function properly and thus was declared out of service.
 - b. The alternate valve RHR-744A operated satisfactorily providing another flow path per Technical Specifications Paragraph 3.3.1.
 - c. Although the cause for the failure had been determined and was being corrected, it became apparent that repairs would not be complete within 24 hours after failure. Therefore, a power reduction to hot shutdown conditions was initiated at 2124 hours on January 12, 1978.
 - d. At 2213 hours on January 12, 1978, RHR-744B was declared in service after the valve's motor had been replaced and the valve operated satisfactorily under PT 2.8A and PT 2.8C.
 - e. The reactor was returned to 100% power at 0505 hours on January 12, 1978.
7. Designation of Apparent Cause of Occurrence: The reason for the occurrence was that oil from the valve operator leaked by the oil seal into the valve motor causing it to short out electrically. The valve is installed in an inclined position with the motor below the valve which facilitated the oil leakage to the motor.

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Reportable Occurrence 78-2
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8. Analysis of Occurrence: The valve motor for RHR-744B was replaced and the Periodic Test, PT-2.8A (Residual Heat Removal Component Test), performed with the valve performing satisfactorily. During the period the valve was out of service, there was an alternate flow path which permitted safe plant operation as per Technical Specifications. Therefore, this occurrence did not adversely affect public health and safety.
9. Corrective Action: The valve motor for RHR-744B was replaced and operated satisfactorily. Also an inspection of the alternate valve RHR-744A is to be performed during the February 1978 refueling outage to ensure similar potential problems do not exist.
10. Failure Data: There was a previous failure of RHR-744B on December 3, 1977 which was covered under HBR2 RO 77-31. Following that occurrence the breaker and valve motor were checked electrically for any problems. None were found, and the valve was returned to service.

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CONTROL DESK

1978 FEB 13 PM 12 00

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