



LER ATTACHMENT - RO #2-83-71

Facility: BSEP Unit No. 2

Event Date: July 29, 1983

During unit power operation, while performing the HPCI System Operability Test, PT-09.2, the average temperature of the suppression pool water exceeded specifications for testing with a recorded value of 106°F. The specified maximum allowed temperature of the suppression pool water, while in testing, is 105°F.

This event resulted from an extended run time of the HPCI System turbine combined with a high seasonal inlet temperature of plant service water utilized as the cooling medium in the suppression pool cooling mode of the RHR System. The extended run time of the HPCI System turbine was due to the amount of time that it took to perform a required visual inspection of the HPCI System during its operation.

In preparation for performing the PT, suppression pool cooling had been placed into service utilizing the B loop of RHR with one RHR System pump and one RHRSW System pump, and the suppression pool water average temperature was then reduced from 91°F to 88°F. When the PT was begun, the suppression pool water average temperature was being monitored at one-minute intervals. The HPCI System turbine was run approximately 17 minutes at which time it was secured due to the suppression water temperature reaching 106°F, and at which time, the required visual inspection of the HPCI System was completed.

Following the securing of the HPCI System turbine, an additional RHR pump and an RHRSW pump were started on the B loop of RHR suppression pool cooling and within 1.5 hours, the recorded average temperature of the suppression pool was < 95°F. The PT was subsequently satisfactorily completed.

As a result of this event, PT-09.2 will be revised by September 15, 1983, such that during performance of the PT, should suppression pool temperature reach 104°F, the HPCI System turbine will be immediately secured. In addition, appropriate licensed plant Operations personnel will review this report to ensure their awareness of this event.

**CP&L**

Carolina Power & Light Company

USNRC REGION II  
ATLANTA, GEORGIA

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Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC 28461-0429

August 26, 1983

FILE: B09-13510C  
SERIAL: BSEP/83-2845

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-324  
LICENSE NO. DPR-62  
LICENSEE EVENT REPORT 2-83-71

Dear Mr. O'Reilly:

In accordance with Section 6.9.1.9b of the Technical Specifications for Brunswick Steam Electric Plant, Unit No. 2, the enclosed 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 NUREG-0161, July 1977.

Very truly yours,

*C. R. Dietz*

C. R. Dietz, General Manager  
Brunswick Steam Electric Plant

RMP/shb/LETSB2

Enclosure

cc: Mr. R. C. DeYoung  
NRC Document Control Desk

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