

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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NAME OF DEBATED

PHONE:

919-457-9521



Carolina Power & Light Company

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83 OCT 3 49:22

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

September 29, 1983

FILE: B09-13510C  
SERIAL: BSEP/83-3243

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-324  
LICENSE NO. DPR-62  
LICENSEE EVENT REPORT 2-83-82

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, General Manager  
Brunswick Steam Electric Plant

MJP/mcg/LETG2

Enclosure

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

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LER ATTACHMENT - RO #2-83-82

Facility: BSEP Unit No. 2

Event Date: September 2, 1983

This event resulted from a failure of the responsible Control Operator to be cognizant of a changing suppression pool level while instrumentation, normally utilized for the purpose of monitoring the level, was not in service.

On September 1, 1983, at 0800, suppression pool level instruments 2-CAC-LT-2601 and LT-3342 were removed from service to permit the installation of a TMI-related plant modification on the suppression pool level instrumentation. The removal of these instruments from service left suppression pool level monitoring instruments 2-CAC-LR-2602 and 2-CAC-LG-4336 as the only operable instruments in service. LR-2602 is a wide range level instrument that indicates a 16-foot level span on the instrument's four-inch recorder paper. This results in a two-inch change in level being reflected as a 1/32" change on the recorder chart paper. LG-4336 is a local level sight glass.

The removal of the LT-2601 instrument from service had rendered the suppression pool level hi/lo annunciator in the continuous alarm condition; therefore, a change in suppression pool level could only be detected by observation of a change by the LR-2602 and LG-4336. Due to the modification work on the LT-2601 and LT-3342, a planned method for monitoring the suppression pool level was a once-per-eight hour check of the LR-2602 instrument.

Prior to this event, at 2057 on September 1, 1983, the HPCI pump minimum flow valve, 2-E41-F012, which had been failed in the open position, was closed. The F012 valve had been allowing HPCI pump keepfull flow from the makeup demineralized storage (MUD) tank to continually leak into the suppression and is directly attributed as the cause of two separate prior events where the suppression pool level exceeded specifications on August 31, 1983, and September 1, 1983, respectively. (For further information relating to the E41-F012 failure, please see LER 2-83-80.)

The September 1, 1983, event was ended at 1800 on the same day by returning the suppression pool level to within specifications; however, until closure of the F012 valve at 2057, in-leakage to the suppression pool through the valve had continued.

On September 2, 1983, at 0000, local surveillance of the LG-4336 revealed the suppression level was exceeding the upper level specification with a measured value of -26.25". Within 30 minutes of this discovery, the level was returned to within specifications.

Following this event, the involved Control Operator was counseled to be aware of plant parameters while instrumentation normally utilized for that specific parameter is not in service. Appropriate licensed Control Operators will review this report to ensure their awareness of this concern.