

LER ATTACHMENT - RO NO. 2-83-66

Facility: BSEP Unit 2

Event Date: July 20, 1983

This event occurred when the instrument indication of RWCU System differential flow indicator 2-G31-R615, General Electric Model 180, went high. Three RWCU System flow transmitters, 2-G31-FY-N012, N036, and N041, one on the RWCU System suction line, and one each on the two RWCU System discharge lines, feed an RWCU System summing circuit, 2-G31-FY-K604. The summing circuit takes the system suction flow and compares it with the combined system discharge flow to produce a differential flow signal to the RWCU System isolation circuits. 2-G31-R615 is a direct reading indicator off one of the two parallel signals from the summer.

This event resulted from a shift in the calibration of the FT-N041 caused by entrapped air in the sensing lines of the transmitter. Due to the design of the sensing lines to the N041, air can be entrapped in high points of the lines during periods when the RWCU System is depressurized for routine RWCU System filter demineralizer precoat or during maintenance of the system. This condition can also affect the FT-N012 and FT-N036 transmitters, as their respective sensing lines are similarly designed although, in this case, air was not entrapped in their sensing lines.

The entrapped air in the sensing lines of FT-N041, General Electric Model 555, was removed, and the transmitter was returned to service. As a result of this event, plant Engineering has been requested to evaluate modifying the instrument sensing lines of the FT-N012, N036, and N041 transmitters to eliminate the sensing line high point air entrapment problem.

CP&L

Carolina Power & Light Company

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

June 21, 1984

FILE: B09-13510C
SERIAL: BSEP/84-1479

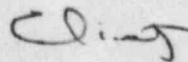
Mr. James P. O'Reilly, Administrator
U. S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street N.W.
Atlanta, GA 30323

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2
DOCKET NO. 50-324
LICENSE NO. DPR-62
SUPPLEMENT TO LICENSEE EVENT REPORT 2-83-66

Dear Mr. O'Reilly:

In accordance with Section 6.9.1.9b of the Technical Specifications for Brunswick Steam Electric Plant Unit 2, the enclosed supplemental Licensee Event Report is submitted. The original report fulfilled the requirement for a written report within 30 days of a reportable occurrence and both are in accordance with the format set forth in NUREG-0161, July 1977.

Very truly yours,



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

RMP/sdl/LETPS1

Enclosure

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

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