NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

Update Report: Previous Report Date 4-7-82

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | N C B E P 2 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)

7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T

0 : | REPORT SOURCE L (6) | 0 5 0 - 0 3 2 4 (7) | 0 3 0 8 8 2 (8) | 0 9 0 6 8 3 (9)

7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During plant operation, routine surveillance revealed the makeup demineralized

0 3 water (MUD) tank inventory was 89,500 gallons, (> 90,000 gallons required) while the

0 4 fire protection water tank inventory was less than the required 200,000 gallons. The

0 5 fire protection water tank inventory was restored to > 200,000 gallons in 2½ hours

0 6 and the MUD tank to > 90,000 gallons in 7¼ hours. This event did not affect the

0 7 health and safety of the public.

0 8 Technical Specifications 3.7.7.1b, 6.9.1.9b

7 8 9 80

0 9 | SYSTEM CODE W C (11) | CAUSE CODE A (12) | CAUSE SUBCODE X (13) | COMPONENT CODE Z Z Z Z Z Z (14) | COMP. SUBCODE Z (15) | VALVE SUBCODE Z (16)

7 8 9 10 11 12 13 18 19 20

(17) LER/RO REPORT NUMBER: EVENT YEAR 8 2 | — | SEQUENTIAL REPORT NO. 0 5 2 | / | OCCURRENCE CODE 0 3 | REPORT TYPE L | — | REVISION NO. 1

21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN H (18) | FUTURE ACTION X (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0 0 0 0 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. Y (24) | PRIME COMP. SUPPLIER Z (25) | COMPONENT MANUFACTURER Z 9 9 9 (26)

33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This event occurred when the fire protection water tank makeup supply was isolated

1 1 while the demineralized water tank makeup supply was unavailable due to planned

1 2 maintenance. The isolation valve to the fire protection tank was opened and the tank

1 3 restored to > 200,000 gallons, and makeup to the MUD tank was reestablished and its

1 4 level restored to > 90,000 gallons.

7 8 9 80

1 5 | FACILITY STATUS E (28) | % POWER 0 8 4 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) Operator Surveillance

7 8 9 10 12 13 44 45 46 80

1 6 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

7 8 9 10 11 44 45 80

PERSONNEL EXPOSURES

1 7 | NUMBER 0 0 0 (37) | TYPE Z (38) | DESCRIPTION (39) NA

7 8 9 11 12 13 80

PERSONNEL INJURIES

1 8 | NUMBER 0 0 0 (40) | DESCRIPTION (41) NA

7 8 9 11 12 80

8309150224 830906
PDR ADOCK 05000324
F PDR

LOSS OF OR DAMAGE TO FACILITY (43)

1 9 | TYPE Z (42) | DESCRIPTION

7 8 9 10 80

PUBLICITY

2 0 | ISSUED N (44) | DESCRIPTION (45) NA

7 8 9 10 68 69 80

NRC USE ONLY

NAME OF PREPARER M. J. Pastva, Jr. PHONE (919) 457-9521

GPO 917-926

LER ATTACHMENT - RO# 2-82-52

Facility: BSEP Unit No. 2 Event Date: March 8, 1982

At approximately 0830, an auxiliary operator noticed that the fire protection tank level was less than 200,000 gallons. An investigation determined that a manual valve in the fire tank fill line was closed. The auxiliary operator opened this valve and continued his routine plant surveillance requirements. At approximately 1030, he returned to the fire tank and noted that the level had decreased further. A complete fill line walkdown determined that the automatic fill valve was under clearance in the closed position. A review of the clearance determined that this valve was not required to be shut; therefore, the valve was removed from the clearance and the valve opened. The auxiliary operator verified that the fire tank was being refilled and then continued his routine work. At 1600, while the fire tank was still being refilled (still less than 200,000), it was noted that the makeup demineralized (MUD) water tank level was less than its required 90,000 gallons. This was caused by normal plant usage and maintenance on the demineralizer system which prevented makeup to the tank. The fire tank level was restored to greater than 200,000 gallons at approximately 1830 and the MUD tank was restored to greater than 90,000 gallons at approximately 2315.

An investigation into the closed isolation valves on the fire tank makeup determined that they were isolated to perform maintenance on the demineralizer charcoal beds. This work required that the well water supply to the demineralizer system be placed under clearance; however, when the clearance was written, the well water makeup supply to the fire tank was included. Contributing to the level decrease in the fire tank was the use of water from the fire support system for non-fire support uses throughout the plant. Also, the fire tank level being out of specification was not known by the Shift Foreman until approximately 1300 hours when he reviewed the auxiliary operator's log entry.

To help prevent future occurrences of this nature, fire protection isolation valves are having their handwheels painted red. In addition, the auxiliary operators' logs and Daily Surveillance Report are being reviewed on a shiftly basis to ensure all applicable plant conditions, on-going evolutions, and references to technical specifications are reflected. This will help to ensure accurate data and good watchstanding procedures are maintained. Included with these reviews is a requirement to immediately notify the Plant Operations Shift Foreman of any out-of-tolerance reading noted.

CP&L

Carolina Power & Light Company

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

September 6, 1983

FILE: B09-13510C
SERIAL: BSEP/83-2498

Mr. James P. O'Reilly, Director
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
SUPPLEMENTAL TO LICENSEE EVENT REPORT 2-82-52

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 supplemental Licensee Event Report is submitted. The original report fulfilled the requirement for a written report within thirty (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/joh/LETJH1

Enclosure

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

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