



Carolina Power & Light Company

Brunswick Nuclear Project

P. O. Box 10429

Southport, NC 28461-0429

April 27, 1990

FILE: B09-13510C
SERIAL: BSEP/90-0357

10CFR50.73

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT UNIT 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
LICENSEE EVENT REPORT 1-90-005

Gentlemen:

In accordance with Title 10 to the Code of Federal Regulations, 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-1022, September 1983.

Very truly yours,

J. L. Harness, General Manager
Brunswick Nuclear Project

WDL/mcg

Enclosure

cc: Mr. S. D. Ebnetter
Mr. E. G. Tourigny
BSEP NRC Resident Office

9005040011 900427
PDR ADOCK 05000325
S PDC

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 800 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-620), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (8)

PAGE (3)

Brunswick Steam Electric Plant Unit 1

YEAR SEQUENTIAL REVISION
NUMBER NUMBER NUMBER

0 5 0 0 0 3 2 5 9 0 0 0 5 0 0 0 2 OF 0 4

TEXT (If more space is required, use additional NRC Form 253A's) (17)

EVENT

At 0330 on 3/30/90, Clearance (Clr.) F-2-90-F0096 was placed on the Makeup Water Treatment (MWT) Building sprinkler system without meeting the requirements of the Technical Specifications (T/S).

INITIAL CONDITIONS

Unit 1 and Unit 2 were operating at 100% power. The fire protection pumps for the plant site were operable.

EVENT DESCRIPTION

On 3/29/90, the Radwaste Shift Foreman (RWSF) was contacted by mechanical maintenance regarding Work Request/Job Order (WR/JO 89-AFEK2). Maintenance desired to work this problem in order to eliminate an annunciator window problem (UA-37 (2-2): MWT Bldg. Sprnk Sys Valve Open) located on the fire protection panel in the Main Control Room. The work would require the sprinkler system to be removed from service in the MWT Building. The RWSF gave his approval to work the item and a clearance request was prepared and submitted that day. The Fire Protection Auxiliary Operator (FPAO) wrote the clearance and consulted with the RWSF to determine LCO requirements and the need for a fire watch. The RWSF indicated that the work was not T/S related but that an active impairment (A2-90-042) would need to be written. These instructions were followed and the paperwork was turned over to the 19-07 shift. Clearance F-2-90-F0096 was placed on the MWT Building sprinkler system at 0330. It was not until 0730 that morning that the Radwaste Supervisor, while reviewing log entries, noticed that the sprinkler system was out of service without an LCO. At this time, a fire watch and backup fire protection were established. Work was completed at 1400 and the sprinkler system was returned to service.

EVENT INVESTIGATION

Work requests are normally channelled through the Site Work Force Control Group (SWFCG). This provides the Fire Protection Specialist an opportunity to perform a review of WR/JOs to ensure compliance with the Fire Protection Technical Specifications. Work request 89-AFEK2 was not handled through the SWFCG process. Repair parts had been received by maintenance earlier in the week that would allow completion of WR/JO 89-AFEK2. Since the WR/JO involved an annunciator problem and a great deal of emphasis is being placed on reducing annunciator problems, maintenance treated the WR/JO as an emergent work item. The RWSF reviewed the WR/JO with

EXPIRES 4/30/92

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-630), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Brunswick Steam Electric Plant Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 2 5	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	— 0 0 5	— 0 0 0	3	OF	0 4

TEXT (If more space is required, use additional NRC Form 355A's) (17)

maintenance and gave permission to do the work, which effectively bypassed the SWFCG process. This approach placed responsibility for work control in the hands of the RWSF and removed the planning and review function provided by the SWFCG. In this case, the RWSF did not perform an adequate review of the work scope and related Technical Specifications. The RWSF depended on the FPAO to take a look at the Technical Specifications and did not perform an independent check. Personnel on night shift discussed Technical Specifications but did not look at the book itself.

EVENT CAUSE

The cause of this event was a personnel error that occurred from failing to perform an independent review. Each individual involved in the work preparation phase assumed that the previous person had determined that T/S were not applicable and did not question them. Radwaste-Fire Protection personnel are normally very aware of T/S requirements and ensure adherence. A factor to be considered in addition is that the MWT Building and T/S were not associated by the reviewing RWSF. This is considered to be an isolated case since no other LERs were found referencing isolation of the MWT sprinkler system with a failure to meet T/S requirements.

CORRECTIVE ACTIONS TAKEN

LCO A-2-90-F0136 was written at 0730 and a continuous fire watch was stationed in the MWT Building with backup suppression equipment. The fire watch remained in place until the work was completed at 1400.

This event was further documented utilizing OI-56, Operations Conditions Adverse to Quality Process. A nonconformance report (NCR) S-90-024 due 5/10/90 resulted from the OI-56 review. The RWSF was counselled concerning this event.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 600 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-630), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Brunswick Steam Electric Plant	DOCKET NUMBER (2) 05000325	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		90	005	00	04	OF	04

TEXT: If more space is required, use additional NRC Form 305A's (17)

EVENT ASSESSMENT

The safety significance of this event is minimal. The fire detection system for the MWT Building remained operable for the duration of the event. Equipment protected by the sprinkler and fire detection systems remained operable while the sprinkler system was undergoing maintenance. This is considered to be an isolated event.

EIIIS

SYSTEM/COMPONENTCODE

Fire Detection
Makeup Water Treatment Building
Fire Protection Pumps
Sprinkler
Annunciator

IC
MH
KP
SRNK
IB