

**LICENSEE EVENT / REPORT (LER)**

FACILITY NAME (1) Brunswick Steam Electric Plant Unit 2															DOCKET NUMBER (2) 0 5 0 0 0 0 2 1 4					PAGE (3) 1 OF 03				
TITLE (4) Failure to Perform Monthly Required Testing of Unit 2 Main Condenser Vacuum Instrumentation																								
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES					DOCKET NUMBER(S)										
0	1	0	8	5	0	0	1	0	0 7 1 2 8 5					0 5 0 0 0										
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
POWER LEVEL (10)			20.402(b)				20.406(a)				20.73(a)(2)(iv)				73.71(b)									
0 9 9			20.406(a)(1)(i)				20.73(a)(1)				20.73(a)(2)(v)				73.71(a)									
			20.406(a)(1)(ii)				20.73(a)(2)				20.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 305A)									
			20.406(a)(1)(iii)				X 20.73(a)(2)(i)				20.73(a)(2)(vii)(A)													
			20.406(a)(1)(iv)				20.73(a)(2)(ii)				20.73(a)(2)(viii)(B)													
			20.406(a)(1)(v)				20.73(a)(2)(iii)				20.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																								
NAME															TELEPHONE NUMBER									
M. J. Pastva, Jr., Regulatory Technician															AREA CODE									
															9 1 9 4 5 7 1 - 2 3 1 5									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																								
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC					
SUPPLEMENTAL REPORT EXPECTED (14)															EXPECTED SUBMISSION DATE (15)									
YES (If yes, complete EXPECTED SUBMISSION DATE)															MONTH									
X NO															DAY									
															YEAR									
ABSTRACT (Limit to 1400 spaces, i.e. approximately fifteen single space typewritten lines) (16)																								
<p>On 01/10/85, a routine internal record file verification of the plant Surveillance Test Scheduling and Tracking System (STSTS) revealed the channel calibration and functional test of the Unit 2 main condenser low vacuum instrumentation had not been performed within the specified monthly surveillance interval for the period of 12/09/84 through 12/16/84. After this discovery, the subject test, periodic test, PT-A23, was satisfactorily performed, verifying operability of the involved instrumentation, 2-B21-PTM-N056A-1, B-1, C-1, and D-1. These instruments cause an automatic closure of the unit reactor main steam line isolation valves on low vacuum in the unit main condenser. From 12/16/84 through 01/10/85, Unit 2 was in reactor shutdown, startup, and at power operation at various respective times.</p> <p>The missed performance of PT-A23 resulted from inadvertent deletion of the PT record from the STSTS computer data base. A definitive cause of the deletion was not determined. A review of required record entries did not reveal entries which could have resulted in the deletion of PT-A23 for Unit 2.</p> <p>A comparison of the STSTS data base with the procedure to the technical specification cross reference showed no additional records have been deleted which could result in future noncompliance through lack of performance scheduling. A program for daily comparison and logging of current to the previous day's number of STSTS records was instituted to help ensure deletions and additions of STSTS records are accounted for. Enhancements to the existing audit trail for independent checks of accuracy in STSTS data entries have been initiated to allow more effective reviews and a better mechanism to perform STSTS record number verifications.</p>																								

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Brunswick Steam Electric Plant Unit 2	0 5 0 0 0 3 2 4	8 5	— 0 0 1	— 0 1	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On January 10, 1985, it was determined required channel calibration and functional testing of the Unit 2 main condenser low vacuum instrumentation had not been performed within the specified monthly surveillance interval for the period of December 9, 1984, through December 16, 1984. This determination was made during a routine internal audit and record file verification of the plant STSTS. Following this discovery, the subject test, periodic test, PT-A23, was satisfactorily performed, thereby verifying operability of the involved instrumentation, 2-B21-PTM-N056A-1, B-1, C-1, and D-1. These instruments cause automatic closure of the unit main steam line isolation valves on low vacuum in the unit's main condenser. Unit 2 was in reactor shutdown, startup, and at power operation at various respective times from December 16, 1984, through January 10, 1985.

A review of required STSTS record entries was performed to determine whether entries existed which could have resulted in the subject deletion of PT-A23. In addition, a detailed review of the involved computer program was performed to determine if a computer software failure may have been involved with the deletion. These reviews failed to reveal a definitive cause for the deletion. The investigation of this event concluded the missed performance of PT-A23 resulted from an inadvertent deletion of the PT record from the STSTS computer data base.

A comparison of the STSTS data base with the procedure to the technical specification cross reference was performed which showed additional records were not deleted which could result in technical specification noncompliance due to lack of performance scheduling. A program for daily comparison and logging of current to the previous day's number of STSTS records was instituted. It is felt this will help ensure STSTS record deletions and additions are better accounted for.

In addition, the following changes have been made to improve the existing audit trail for independent checks of accuracy in STSTS entries and deletions and to aid in monitoring plant system parameters which may affect surveillance scheduling:

1. Record Tally

The current record to total in the computer data base is compared with the total from the previous tally (plus all records added minus all records erased since the previous tally). All tally values are displayed. If the tally values do not agree, a warning message is displayed and the audit program aborts, thereby returning to the computer performance update module menu.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 388A's) (17)

2. Schedule Flag Tally

The number of computer records with a schedule flag or a stop flag at the last tally is compared with the number of records in the current data base having these flags. All tally values are displayed. If the tally values do not agree, a warning message is displayed.

3. Frequency Tally

The number of computer records that have a nonblank value in the field frequency at the last tally is compared with the number of records in the current data base with a nonblank entry. All tally values are displayed. If the tally values do not agree, a warning message is issued.



Carolina Power & Light Company

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

July 12, 1985

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SERIAL: BSEP/85-0512

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

BRUNSWICK STEAM ELECTRIC PLANT UNIT 2  
DOCKET NO. 50-324  
LICENSE NO. DPR-62  
REVISION 1 TO LICENSEE EVENT REPORT 2-85-001

Gentlemen:

In accordance with Title 10 to the Code of Federal Regulations, the enclosed revised Licensee Event Report is submitted. The original report fulfilled the requirement for a written report within thirty (30) days of a reportable occurrence and was submitted in accordance with the format set forth in NUREG-1022, September 1983.

Very truly yours,

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

MJP/dg

Enclosure

cc: Dr. J. N. Grace

IE22  
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