

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Brunswick Steam Electric Plant Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 2 4										PAGE (3) 1 OF 1																									
TITLE (4) Unexpected Unit 2 Primary Containment Group 1 Isolation During Response Time Testing of the Unit Main Turbine Stop Valves																																													
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																											
0 3		1 0		8 5		8 5		0 0 3		0 0 0		4 0 9		8 5				DOCKET NUMBER(S) 0 5 0 0 0																											
0 3		1 0		8 5		8 5		0 0 3		0 0 0		4 0 9		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)																																											
4		20.402(b)										20.406(e)										X		50.73(a)(2)(iv)										73.71(b)											
POWER LEVEL (10)		0 0 0										20.406(a)(1)(i)										50.36(a)(1)												50.73(a)(2)(v)										73.71(e)	
		20.406(a)(1)(ii)										50.36(a)(2)												50.73(a)(2)(vi)																					
		20.406(a)(1)(iii)										50.73(a)(2)(i)												50.73(a)(2)(vii)(A)																					
		20.406(a)(1)(iv)										50.73(a)(2)(ii)												50.73(a)(2)(vii)(B)																					
		20.406(a)(1)(v)										50.73(a)(2)(iii)												50.73(a)(2)(x)																					
LICENSEE CONTACT FOR THIS LER (12)																																													
NAME M. J. Pastva, Jr., Regulatory Technician																TELEPHONE NUMBER 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																											
SUPPLEMENTAL REPORT EXPECTED (14)																EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR																							
YES (If yes, complete EXPECTED SUBMISSION DATE)																X NO																													
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																																													
<p>On 3-10-85, at 0215, while performing the response time test of the Unit 2 main turbine stop valve position circuitry, Periodic Test PT-45.1.6-2, an unexpected primary containment Group 1 isolation occurred. The applicable Technical Specification (T/S) to this testing is T/S 4.3.1.3 and T/S Table 3.3.1-2. Unit 2 was in cold shutdown.</p> <p>PT-45.1.6-2 required an electrical test jumper be installed across main condenser low vacuum logic contacts 11 and 12 of the Reactor Protection System (RPS) logic relay C72-K10 for the stop valve under test. The test is designed to have only one valve open at a time; however, when speed select was initiated with turbine reset (attempt to open SV-1), SV-2 opened followed by SV-1, SV-3, and SV-4. The main condenser low vacuum circuitry for the relays of SV-2, SV-3, and SV-4 consequently opened causing the primary containment Group 1 isolation. A review of the logic design has determined that this sequence is correct per design.</p> <p>PT-45.1.6-2 and the corresponding response time test of the Unit 1 main turbine stop valves, PT-45.1.6-1, have been revised to preclude an unexpected Group 1 isolation.</p> <p>The investigation of this event revealed a similar procedural concern with the fast closure response time test of unit main turbine control valves, PT-45.1.7. This concern will be appropriately resolved by 4-26-85 to prevent an inadvertent Group 1 isolation as a result of performing the test.</p>																																													
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Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429
April 9, 1985

FILE: B09-13510C
SERIAL: BSEP/85-0617

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
LICENSEE EVENT REPORT 2-85-003

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,

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

MJP/dj

Enclosure

cc: Dr. J. N. Grace

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