

**LICENSEE EVENT REPORT (LER)**

FACILITY NAME (1)										DOCKET NUMBER (2)										PAGE (3)									
Brunswick Steam Electric Plant Unit 2										0 5 0 0 0 3 2 4										1 OF 0 1									
TITLE (4)																													
Unit 2 Pipe Crack Indications Attributed to Intergranular Stress Cracking Corrosion																													
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	9	8	6	8	6	0	0	2	0	0	0	1	3	1	8	6	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)																									
5				20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)													
POWER LEVEL (10)				20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)													
0 1 0 1 0				20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)													
				20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)																	
				20.405(a)(1)(iv)				X 50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)																	
				20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(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 - 2 3 1 5									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																													
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS																				
X	A	D	P	S	X	B	4	5	0	Yes	X	A	D	P	S	X	B	4	5	0	Yes								
X	A	D	P	S	X	B	4	5	0	Yes																			
SUPPLEMENTAL REPORT EXPECTED (14)																				EXPECTED SUBMISSION DATE (15)									
X YES (If yes, complete EXPECTED SUBMISSION DATE)										NO										MONTH DAY YEAR									
																				0 6 0 6 8 16									

**ABSTRACT** (Limit to 1400 spaces, i.e. approximately fifteen single-space typewritten lines) (16)

During the Unit 2 1985-1986 refuel/maintenance outage, visual discoveries were made of throughwall indications within the heat-affected zones of three reactor recirculation piping welds. These welds are in close proximity to recirculation piping welds undergoing induction heat stress improvement (IHSI) in accordance with IE Bulletins 82-03, 83-02, and Generic Letter 84-11. The extent of the subject indications is presently under investigation.

Preliminary analysis has determined the indications result from intergranular stress corrosion cracking of the Class 1, Type 304, stainless steel piping material. Corrective action to the subject indications will consist of the appropriate use of acceptable weld overlay techniques. Following completion of the ongoing IHSI, the subject indications, in addition to any other indications revealed by Generic Letter 84-11 required examinations, will be appropriately addressed in a supplement to this report with an expected submission date of 06/06/86.

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PDR ADOCK 05000324  
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Carolina Power & Light Company

Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC 28461-0429  
January 31, 1986

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BRUNSWICK STEAM ELECTRIC PLANT UNIT 2  
DOCKET NO. 50-324  
LICENSE NO. DPR-62  
LICENSEE EVENT REPORT 2-86-002

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/jo

Enclosure

cc: Dr. J. N. Grace

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