

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) H. B. Robinson Unit No. 2										DOCKET NUMBER (2) 0 5 0 0 0 2 6 1					PAGE (3) 1 OF 0 2	
TITLE (4) Shutdown bank trip due to source range N-31 failed high																
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)			
									NA				0 5 0 0 0			
0 1	2 6	8 4	8 4	0 0 1	0 0 0	2 2	4 8	4	NA				0 5 0 0 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)														
N		20.402(b)				20.406(e)				<input checked="" type="checkbox"/> 80.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.406(a)(1)(i)				80.38(a)(1)				80.73(a)(2)(iv)				73.71(c)		
0 0 1 0		20.406(a)(1)(ii)				80.38(a)(2)				80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.406(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)						
		20.406(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(viii)(B)						
		20.403(a)(1)(v)				80.73(a)(2)(iii)				80.73(a)(2)(x)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME Carson L. Wright - Senior Specialist - Regulatory Compliance										TELEPHONE NUMBER						
										AREA CODE 8 0 3 3 8 ~ 4 5 2 4						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS						
X	1 G	*	W 1 2 0	Y												
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)						
YES (If yes, complete EXPECTED SUBMISSION DATE)										MONTH DAY YEAR						
<input checked="" type="checkbox"/> NO																

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

With the reactor shut down and shutdown bank rods withdrawn, one of the two source range detectors, N-31, failed high causing a shutdown bank trip. The N-31 detector was found to be shorted out. The detector was replaced and the channel returned to service on February 1, 1984. The cause of failure was normal end of life of the detector. No further action is planned.

* IEEE standard 803A-1983 does not have a code for a proportional counter.

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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			
H. B. Robinson Unit No. 2	0500026184	—	001	—	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Description of Event:

On January 26, 1984, with the reactor shut down and the shutdown bank rods withdrawn, one of the two source range detector channels, N-31, failed high causing a shutdown bank trip. The cause of the shutdown bank trip was immediately apparent to the control operator. The remaining source range channel, N-32, remained operable to measure core neutron levels.

Corrective Actions:

Source range channel N-31 was taken out of service. The N-31 detector was found to be shorted out. The N-31 detector was replaced and the channel returned to service on February 1, 1984. The detector failure is attributed to normal end of life.

No further action is planned.



Carolina Power & Light Company

H. B. ROBINSON STEAM ELECTRIC PLANT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29550

FEB 24 1984

Robinson File No: 13510C

Serial: RSEP/84-160

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 84-001

Dear Sir:

In accordance with 10CFR50.73, the enclosed Licensee Event Report is submitted. This report fulfills the requirements for a written report within thirty (30) days of a reportable event and is in accordance with the format set forth in NUREG-1022, September, 1983.

Very truly yours,

R. E. Morgan
General Manager
H. B. Robinson SEG Plant

CLW/ac

Enclosure

cc: J. P. O'Reilly
S. P. Weise
INPO

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