

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) H. B. Robinson, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 6 1	PAGE (3) 1 OF 0 2
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TITLE (4)
Reactor Trip - Nuclear Instrumentation System High Neutron Flux

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																																											
01	22	86	86	004	00	02	19	86	DOCKET NUMBER(S) 0 5 0 0 0																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9)</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 3 3</td> <td>20.402(b)</td> <td><input checked="" type="checkbox"/></td> <td>90.73(a)(2)(iv)</td> <td><input type="checkbox"/></td> <td>73.71(b)</td> </tr> <tr> <td>20.406(a)(1)(i)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(v)</td> <td><input type="checkbox"/></td> <td>73.71(c)</td> </tr> <tr> <td>20.406(a)(1)(ix)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(vii)</td> <td><input type="checkbox"/></td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 356A)</td> </tr> <tr> <td>20.406(a)(1)(iii)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(viii)(A)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(viii)(B)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(ix)</td> <td><input type="checkbox"/></td> <td></td> </tr> </table>												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) 3 3	20.402(b)	<input checked="" type="checkbox"/>	90.73(a)(2)(iv)	<input type="checkbox"/>	73.71(b)	20.406(a)(1)(i)	<input type="checkbox"/>	90.73(a)(2)(v)	<input type="checkbox"/>	73.71(c)	20.406(a)(1)(ix)	<input type="checkbox"/>	90.73(a)(2)(vii)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 356A)	20.406(a)(1)(iii)	<input type="checkbox"/>	90.73(a)(2)(viii)(A)	<input type="checkbox"/>	20.406(a)(1)(iv)	<input type="checkbox"/>	90.73(a)(2)(viii)(B)	<input type="checkbox"/>	20.406(a)(1)(iv)	<input type="checkbox"/>	90.73(a)(2)(ix)	<input type="checkbox"/>	
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LICENSEE CONTACT FOR THIS LER (12)

NAME Roy C. Abbott	TELEPHONE NUMBER 8 0 3 3 8 3 - 4 5 2 4
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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

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces - i.e., approximately fifteen single-space typewritten lines) (16)

Abstract

At 1127 hours on January 22, 1986, with the unit operating at 33% power, the Plant received a reactor trip from a Nuclear Instrumentation System (NIS) Power Range High Neutron Flux Trip signal.

At the time of the trip, an evolution was in the process to reduce the NIS trip setpoints on the four Power Range Channels (N-41 through N-44). The bistable for N-42 had been placed in the "Tripped" position and the setpoint reduced. When returning N-42 to "Normal", the individual inadvertently opened the N-43 cabinet and switched the bistable for N-43 to the "Tripped" position. This satisfied the two-out-of-four channel logic needed to initiate the reactor trip.

The Plant was placed in a safe hot shutdown condition in accordance with the Emergency Operating Procedures. All systems functioned properly.

Labeling was installed inside each NIS cabinet to identify the associated NIS Channel. Additionally, the individual involved was counseled for his actions.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) H. B. Robinson, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 6 1 8 6	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	0 2	OF 0 2
		1 8 6	0 0 4	0 0 0		

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Event Description

On January 22, 1986, the Plant was operating at 33% power. At 1127 hours, the Plant received a reactor trip from a Nuclear Instrumentation System (NIS) Power Range High Neutron Flux Trip signal.

At the time of the trip, an Instrument and Control (I&C) Technician was reducing the NIS trip setpoints on the four Power Range Channels (N-41 through N-44). This reduction in setpoint was required by power distribution control procedures during recovery from a Plant trip that occurred the day before. The resetting of the setpoint for Channel N-41 had been completed, and the channel was returned to service. The setpoint for Channel N-42 had been reduced; however, the channel was still removed from service. This means that the bistable for NIS Channel N-42 was in the "Tripped" position as required by the procedure. When the technician returned to the back of the cabinet to reset the bistable for N-42 to "Normal", he inadvertently entered the cabinet for Channel N-43 and switched the N-43 bistable to the "Tripped" position. This placed another Power Range Channel in the tripped position satisfying the two-out-of-four channel logic needed to initiate the reactor trip. The Plant was placed in a safe hot shutdown condition in accordance with the Emergency Operating Procedures.

The event was the result of personnel error. The N-43 cabinet was labeled, and the bistable trip switch in the cabinet is labeled as to "NORMAL" and "TRIPPED" positions. However, some improvements regarding the location of and specific information on the labeling were identified.

To ensure each NIS Cabinet is clearly marked, labeling has been added inside each cabinet beside the bistable switch which identifies the associated NIS Channel. Additional labeling for the cabinet doors identifying the NIS Channel will be installed near the lock on each door.

The technician involved in this event was counseled and formally reprimanded by his management. No further corrective actions are considered necessary.



Carolina Power & Light Company

ROBINSON NUCLEAR PROJECT DEPARTMENT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29550

FEB 19 1986

Robinson File No: 13510C

Serial: RNP/86-584

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 86-004

Dear Sir:

In accordance with 10CFR50.73, Licensee Event Report System, the enclosed Licensee Event Report is submitted. This report fulfills the requirements for a written report within (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 S. E. Plant

SAG:jch

Enclosure

cc: J. N. Grace
INPO
H. E. P. Krug

IE22
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