

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706300016 DOC. DATE: 87/06/25 NOTARIZED: NO DOCKET #
 FACTL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light Co 05000261
 AUTH. NAME AUTHOR AFFILIATION
 ABBOTT, R. Carolina Power & Light Co.
 MORGAN, R.E. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-010-00: on 870525, reactor trip occurred due to failure of SOLA transformer for instrument bus four. Caused by end of svc life. Bus transferred to alternate power supply & RCS heatup resumed. W/870625 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

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	PD2-1 LA	1 1	PD2-1 PD	1 1
	ECCLESTON, K	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	REG FILE 02	1 1
	RES DEPY GI	1 1	RGN2 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) H. B. Robinson Steam Electric Plant 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 Due to Failed SOLA Transformer															
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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	5	2	9	8	7	8	7	0	1	0	0	0	0	0	0
0	5	2	9	8	7	8	7	0	1	0	0	0	0	0	0

OPERATING MODE (9) N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)													
POWER LEVEL (10) 0 0 0		20.402(b)				20.405(c)				X 50.73(a)(2)(iv)				73.71(b)	
		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)	
		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)					
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)					
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)					

LICENSEE CONTACT FOR THIS LER (12)															
NAME Roy Abbott, Senior Specialist - Regulatory Compliance												TELEPHONE NUMBER 8 0 3 3 8 3 1 1 2 4 3			

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)															
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD					
X	E	E	X	F	M	R	S	2	4	0	Y				

SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO <input type="checkbox"/>														

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

On May 29, 1987, while Unit 2 was progressing with RCS heatup following a refueling outage, the reactor tripped at 2201 hours. The SOLA Transformer for Instrument Bus No. 4 (IB-4) failed, causing the loss of the instrument buss. The loss of voltage on IB-4 reset the P-7 permissive which normally blocks several reactor trip signals below 10% power. This permissive being reset resulted in a reactor trip from "Pressurizer Lo Pressure" due to Plant conditions.

The transformer failure was due to end-of-service life. The IB-4 was transferred to the alternate power supply, MCC-8, and RCS heatup was resumed.

The NRC was notified at 2315 hours in accordance with 10 CFR 50.72(b)(2)(ii).

8706300016 870625
PDR ADOCK 05000261
S PDR

NRC Form 388A
(9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

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 S. E. Plant Unit 2	0 5 0 0 0 2 6 1 8 7	-	0 1 0	-	0 0	0 2	OF 0 2

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

EVENT DESCRIPTION

On May 29, 1987, following a refueling outage, RCS heatup was in progress with Tave at approximately 290°F and RCS pressure at 350 psig. At 2201 hours, the Plant experienced a reactor trip when a SOLA Transformer on Instrument Buss No. 4 (IB-4) failed causing the loss of the instrument buss. The loss of voltage on IB-4 reset the P-7 permissive (de-energize to reset). This permissive is used to block several reactor trip signals while the turbine is below 10% power. When the P-7 permissive reset, the reactor trip was initiated by "Pressurizer Lo Pressure" which was present due to Plant conditions.

CAUSE

The SOLA Transformer for IB-4 failed due to end-of-service life.

CORRECTIVE ACTION

IB-4 was transferred to the alternate power supply, MCC-8, and RCS heatup was resumed. The transformer was replaced on 6-5-87, and IB-4 was returned to its normal power supply.



Carolina Power & Light Company

ROBINSON NUCLEAR PROJECT DEPARTMENT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29550
JUN 25 1987

Robinson File No: 13510C

Serial: RNP/87-2876

United States Nuclear Regulatory Commission
Attn: 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 87-010

Dear Sir:

The enclosed Licensee Event Report (LER) is submitted in accordance with the Licensee Event Report System of 10 CFR 50.73. The format of the LER follows the recommendations of NUREG-1022 of September 1983.

Very truly yours,

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

RCA:sdm

Enclosure

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

IE22
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