REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8707070295 DOC. DATE: 87/07/01 NOTARIZED: NO DOCKET #
FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
AUTH. NAME AUTHOR AFFILIATION
SAYRE, D. Carolina Power & Light Co.
MORGAN, R. E. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-012-00: on 870604, reactor trip occurred. Caused by inadvertent resetting of P-7 permissive due to decrease in voltage on instrument buss while starting reactor coolant pump B. Voltage stabilized & permissive cleared. W/870701 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
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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	RES TELFORD, J	1	1
	RES/DE/EIB	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
	NSIC HARRIS, J	1	1	NSIC MAYS, G	1	1

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Enclosure to Serial: RNPD/87-3006

NRC Form 366 (9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
H. B. Robinson Steam Electric Plant, Unit No. 2	0 5 0 0 0 2 6 1	1 OF 0 2

TITLE (4)
Shutdown Trip On Voltage Drop

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 0 0 0
0 6	0 4	8 7	8 7	— 0 1 2	— 0 0	0 7	0 1	8 7		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)			
N		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 0 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 366A)
		20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Don Sayre, Senior Specialist - Regulatory Compliance	8 0 3 3 8 3 - 1 2 4 2

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	E C	B U		N							

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)

On June 4, 1987, with Unit 2 in cold shutdown and the shutdown banks withdrawn and with the control rods at five steps, a reactor trip was received All rods inserted on the trip. The trip resulted from an inadvertent resetting of the P-7 Permissive (greater than 10 percent turbine or reactor power) with the turbine tripped. The P-7 Permissive came in due to a decrease in voltage on the Instrument Buss which occurred while starting "B" Reactor Coolant Pump. At the time of the event, the Instrument Buss was being fed from a non-regulated, alternate power supply, Motor Control Center No. 8 (MCC-8) due to a failed SOLA transformer (see LER 87-010 for the May 29, 1987, transformer failure).

The P-7 Permissive cleared immediately after the voltage stabilized following the start of "B" Reactor Coolant Pump. Subsequently, the SOLA transformer was replaced and the Instrument Buss returned to its normal power supply.

The Plant was placed in a stable condition in accordance with normal operating procedures.

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PDR ADOCK 05000261
S PDR

☆U.S.GPO:1984-0-454-481/18759

NRC Form 366A (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 No. 2	0 5 0 0 0 2 6 1	8 7	— 0 1 2	— 0 0	0 2 OF 0 2

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

EVENT DESCRIPTION

On June 4, 1987, with Unit 2 in cold shutdown and the shutdown banks withdrawn and with the control banks at five steps, a reactor trip resulted when the P-7 Permissive reset while the turbine was tripped. The P-7 Permissive reset was due to a decrease in voltage on IB-4 during the starting of "B" Reactor Coolant Pump. At the time of the event, IB-4 was being fed from a non-regulated, alternate power supply, MCC-8, to accommodate a SOLA transformer failure in the normal supply on May 29, 1987, as reported in LER 87-010.

The NRC was notified of a non-emergency event (four hour) at 0255 hours, June 4, 1987, in accordance with 10 CFR 50.72.

CAUSE

The reactor trip was initiated by the P-7 Permissive reset with the turbine stop valves closed. With the P-7 Permissive satisfied, the Reactor Protection System automatically senses a turbine trip at greater than 10 percent turbine or reactor power and trips the reactor.

The P-7 Permissive reset was due to a voltage drop on IB-4 during the starting of "B" Reactor Coolant Pump while the buss was being fed from a non-regulated, alternate power supply.

CORRECTIVE ACTION

The P-7 Permissive cleared immediately after the voltage stabilized following the start of "B" Reactor Coolant Pump. Subsequently, the SOLA transformer was replaced and the Instrument Buss returned to its normal power supply.

The Plant was placed in a stable condition in accordance with normal operating procedures.

CP&L
Carolina Power & Light Company

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

JUL 01 1987

Robinson File No: 13510C

Serial: RNPD/87-3006
(10 CFR 50.73)

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 87-012

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, September 1983.

Very truly yours,

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

DAS:jch

Enclosure

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

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