

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8008120529 DOC.DATE: 80/08/07 NOTARIZED: NO DOCKET #
 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Ligh 05000261
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 STARKEY,R.B. Carolina Power & Light Co.
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 Region 2, Atlanta, Office of the Director

SUBJECT: LER 80-015/01T-0: on 800726, during periodic test, PT-19A,
 reactor protection sys relays RT-5 & RT-6 failed to energize
 & were replaced. Caused by shorting condition where field
 wires connect to coil wires. Relays returned to vendor.

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	LIC QUAL BR	1	1	MATL ENG BR	1	1
	MECH ENG BR	1	1	MPA 11	3	3
	NRC PDR 02	1	1	OP EX EVAL BR	3	3
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	PROC/TST REV BR	1	1	QA BR	1	1
	RAD ASSESS BR	1	1	REACT SYS BR	1	1
	<u>REG FILE</u> 01	1	1	REL & RISK A BR	1	1
	SFTY PROG EVAL	1	1	SIT ANAL BR	1	1
	STRUCT ENG BR	1	1	SYS INTERAC BR	1	1
EXTERNAL:	ACRS	16	16	LPDR 03	1	1
	NSIC 04	1	1	TERA:DOUG MAY	1	1

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SUPPLEMENTAL INFORMATION

FOR

LICENSEE EVENT REPORT 80-015

1. Cause Description and Analysis: On July 26, 1980, at 0900 hours, with the plant at 70% power, while performing monthly periodic test PT-19A on the Reactor Protection System A train, relay RT-5 failed to re-energize. This relay was replaced. While continuing on the periodic test, at 1220 hours, relay RT-6 also failed to re-energize and was replaced. These relays are installed in a fail safe configuration (normally energized); therefore no loss of safety function resulted or would have resulted from their failure to re-energize.

The two failures appear to be the result of a shorting condition where the field wires connect to the coil wires. This is the same condition as reported previously on LER 80-006. The failed and replacement relays are Westinghouse Model NBFD-31S, style 5072A49G03 with 125/130 volt DC coils.

2. Corrective Action: The failed relays (2) in A train of Reactor Protection were replaced and the Periodic Test was successfully completed.
3. Corrective Action to Prevent Further Occurrence: The supplier of the NBFD-31 relays is investigating the previous failure of these relays. The supplier has been notified by telephone of these failures and the two failed relays will be sent to them to assist in their ongoing investigation. No further information has been generated as to the cause of the failures.

The normal periodic test of Reactor Protection relays will continue. This testing, along with the status lights and alarms available to the operator, is considered adequate to insure the Reactor Protection System is maintained in a safe operating condition.

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