LICENSEE EVENT REPORT

/0/1/	CONTROL BLOCK / / / / / (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) /V/A/N/A/S/2/ (2) /0/0/-/0/0/0/0/-/0/0/ (3) /4/1/1/1/1/ (4) / / / LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT
/0/1/	REPORT (6) 10/5/0/0/0/3/3/9/ (7) 10/8/2/4/8/3/ (8) 10/9/2/1/8/3/ (9) SOURCE L/ (6) DOCKET NUMBER EVENT DATE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
/0/2/	/ On August 24, 1983, with Unit 2 at 100%, the "H" stub bus breaker failed to open /
/0/3/	/ from a simulated undervoltage signal during surveillance testing. The only two /
/0/4/	/ loads (2-CC-P-1A and 2-RH-P-1A) on the stub bus each have independent trips /
/0/5/	/ provided by a bus undervoltage signal. The redundant trip signals were verified /
/0/6/	/ to be operable; therefore, the health and safety of the general public were not /
/0/7/	/ affected. This event is reportable pursuant to T.S. 3.8.1.1 and 6.9.1.9.b. /
/0/8/	
	SYSTEM CAUSE CAUSE COMP. VALVE CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE
/0/9/	/E/B/ (11) /A/ (12) /C/ (13) /R/E/L/A/Y/X/ (14) /H/ (15) /Z/ (16) SEQUENTIAL OCCURRENCE REPORT REVISION LER/RO EVENT YEAR REPORT NO. CODE TYPE NO.
(17	NUMBER /8/3/ /-/ /0/6/7/ /-/ /0/3/ /L/ /-/ /0/
ACTION TAKEN	FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURES
/A/ ()	8) <u>/Z/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /A/1/0/9/ (26)</u>
(CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
/1/0/	/ During the course of replacing the relay, the old relay was discovered to be /
/1/1/	/ wired incorrectly. The wiring error is believed to have been made during trouble-/
/1/2/	/ shooting on another circuit two months earlier by the same surveillance test. /
/1/3/	/ The new relay was terminated in accordance with the wiring diagram and tested /
/1/4/	/ satisfactorily. The responsible personnel were instructed to follow procedures. /
/1/5/	FACILITY STATUS %POWER OTHER STATUS (30) DISCOVERY DESCRIPTION (32) /E/ (28) /1/0/0/ (29) / NA / (30) /B/ (31) / Periodic Surveillance /
/1/6/	ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36) /Z/ (33) /Z/ (34) / NA / / NA /
/1/7/	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) /0/0/0/ (37) /Z/ (38) / NA / PERSONNEL INJURIES
/1/8/	NUMBER DESCRIPTION (41) /0/0/0/ (40) / NA LOSS OF OR DAMAGE TO FACILITY (43)
/1/9/	/Z/ (42) / NA /
/2/0/	PUBLICITY ISSUED DESCRIPTION (45) /N/ (44) / NA /// // // // // // // // // // // // /
	NAME OF PREPARER E. Wayne Harrell PHONE (703) 894-5151 B309300074 830921 PDR ADOCK 05000339 S PDR

Virginia Electric and Power Company North Anna Power Station, Unit No. 2 Docket No. 50-339 Attachment to LER 83-067/03L-0

Description of Event

On August 24, 1983, with Unit 2 at 100% the "H" stub bus breaker failed to trip when a simulated undervoltage signal was applied to the breaker. The stub bus supplies power from the emergency bus to a component cooling pump and a residual heat removal pump. The stub bus sheds these loads during an undervoltage condition and recloses after a time delay following restoration of the emergency bus. The failure was discovered during a bimonthly surveillance test.

Attachment: Page 1 of 1

Probable Consequences of Occurrence

The component cooling pump and the residual heat removal pump each have independent trips from an emergency bus undervoltage signal. These redundant trip signals are tested every other month during the same functional test that discovered the stub bus breaker malfunction. Since the emergency bus loads would have been shed and re-sequenced properly, the health and safety of the general public were not affected.

Cause of Event

The time delay relay that trips open the stub bus breaker did not function properly. When the relay was replaced, it was determined to have been wired incorrectly. The new relay was terminated correctly and the breaker was tested satisfactorily. The old relay operated correctly two months earlier during bimonthly surveillance testing. After a thorough review of maintenance and testing documents, the wiring error was probably made while troubleshooting 2-HV-F-37C two months earlier. The troubleshooting was performed as part of the previous surveillance test subsequent to the stub bus breaker portion of the test.

Immediate Corrective Action

The relay was replaced and the wiring error was corrected. The stub bus breaker was functionally tested satisfactorily.

Scheduled Corrective Action

No further corrective action is scheduled.

Action Taken To Prevent Recurrence

Procedures were reviewed and found to be adequate. maintenance personnel were instructed to follow procedures carefully.

Generic Implications

There are no generic implications associated with this event.

83 SEP 27 A 9: 40 Vepco VIRGINIA ELECTRIC AND POWER COMPANY NORTH ANNA POWER STATION P. O. BOX 402 MINERAL, VIRGINIA 23117 September 21, 1983 Mr. James P. O'Reilly, Regional Administrator Serial No. N-83-130 U. S. Nuclear Regulatory Commission NO/DAH: 11 Region II Docket No. 50-339 101 Marietta Street, Suite 2900 Atlanta, Georgia 30303 License No. NPF-7 Dear Mr. O'Reilly: Pursuant to North Anna Power Station Technical Specifications, the Virginia Electric and Power Company hereby submits the following License Event Report applicable to North Anna Unit No. 2.

Report No.

Applicable Technical Specifications

LER 83-067/03L-0

T.S. 6.9.1.9.b

This report has been reviewed by the Static. Nuclear Safety and Operating Committee and will be forwarded to Safety Evaluation and Control for their review.

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Very Truly You

E. Wayne Marrell Station Manager

Enclosures (3 copies)

cc: Document Control Desk (1 copy)
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U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

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