



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.

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. Electrical maintenance personnel were instructed to follow procedures carefully.

Generic Implications

There are no generic implications associated with this event.

# Vepco

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION  
P. O. BOX 402  
MINERAL, VIRGINIA 23117

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September 21, 1983

Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30303

Serial No. N-83-130  
NO/DAH: 11  
Docket No. 50-339  
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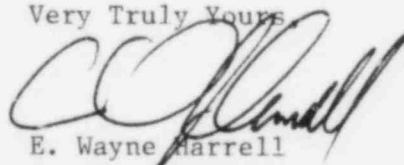
Dear Mr. O'Reilly:

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 Station Nuclear Safety and Operating Committee and will be forwarded to Safety Evaluation and Control for their review.

Very Truly Yours



E. Wayne Harrell  
Station Manager

Enclosures (3 copies)

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