

USNRG REGION  
ATLANTA, GEORGIA

J. P. O'REILLY  
~~C. M. UPRIGHT~~  
P. D. CHENDEMI  
W. B. KENNA  
F. J. LONG  
E. E. MURPHY  
L. T. SUTHERLAND  
K. M. CLARK

*Lewis*  
*Sisson*  
*Wilster*

Virginia Electric and Power Company  
North Anna Power Station, Unit #1  
Docket No. 50-338

NOV 14 11:20

NPF-4

24 Hour Reportable Event  
Written Follow-Up

Event: Undetectable Failure in Engineered Safety  
Features Actuation System  
LER/RO 79-132/01T-0

Westinghouse has informed Vepco that present testing of the Solid State Protection System does not provide for checking the operation of the Reactor Trip Breaker auxiliary contacts for the P-4 permissive. Therefore a potential failure of the P-4 contacts would be undetectable.

The P-4 permissive provides an interlock to enable or defeat the capability to manually reset and block safety injection. An annunciator is available in the control room to check the correct function of the P-4 permissive. However, illuminated control board windows are not permitted by IEEE 379-1972 because the components are not safety grade. Therefore, this is still considered a potential undetectable failure and further corrective actions must be taken. The FSAR does not reference the IEEE Standard but the requirements are being imposed by the vendor.

This discrepancy is apparently the result of a design error by Westinghouse.

Westinghouse has provided a procedure for testing the P-4 contacts with the unit shutdown and with the unit at power. These test schemes are presently being evaluated.

There has been no effect on the plant because of this discrepancy.

The unit is presently in a refueling shutdown mode.

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