

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

PHONE (717) 542-2181

ATTACHMENT

LER # 83-119/03L-0

Pennsylvania Power & Light Company  
Susquehanna Steam Electric Station  
Docket Number: 50-387

As required by Technical Specification Surveillance Requirement 4.6.4.b.1, the suppression chamber to drywell vacuum breakers were being verified operable within two hours of the safety relief valve 'B' actuation which followed the scram of August 28, 1983. During this testing, vacuum breakers 'A1' showed dual indication and 'D1' showed no movement. Position indication for the eight remaining vacuum breakers was acceptable. The indication problems were found to originate at the test solenoid valves which are used to cycle the vacuum breakers for surveillance testing activities. The vacuum breakers themselves were operable during this entire event. When the cam coupling set screws on the 'A1' solenoid rotary switch were tightened, operations personnel stroked the vacuum breaker several times and received proper indication each time. The 'D1' solenoid valve was disassembled and corroded and rusted internal parts were found. The solenoid valve was cleaned and refurbished. Additionally, the nine remaining vacuum breaker solenoid valves were re-worked in the same manner. After being refurbished an operability check was performed for all of the solenoid valves and their correct operation documented. An engineering evaluation to determine a permanent fix is in progress.



Pennsylvania Power & Light Company

September 27, 1983

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Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 83-119/03L-0  
ER 100450 FILE 84i-23  
PLA-1876

Docket No. 50-387  
License No. NPF-14

Dear Dr. Murley:

Attached is Licensee Event Report No. 83-119/03L-0. This event was determined to be reportable per Technical Specification 6.9.1.9.b, in that while performing a surveillance test of the suppression chamber-to-drywell vacuum breakers, anomalous position indications were received for breakers 'A1' and 'D1'.

The surveillance test was implemented in accordance with Technical Specification 4.6.4.b.1 following intentional use of a Safety Relief Valve in manual control to maintain pressure after a reactor scram and Main Steam Line isolation.

The breakers were declared inoperable and Limiting Condition for Operation (LCO) 3.6.4 was entered. The malfunctioning position indication switches were repaired prior to restart and the LCO cleared within approximately fifty hours.

Licensee Event Reports (LERs) 82-27/03L-0, 82-56/03L-0, 83-19/03L-0 and 83-56/03L-0 also reported vacuum breaker position indication problems. Individual updates to these LERs will not be provided. However, an update to this LER will be provided re final disposition.

H.W. Keiser  
Superintendent of Plant-Susquehanna

LAK/pjg

Attachment

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