

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8208300285 DOC. DATE: 82/08/25 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 AUTH. NAME AUTHOR AFFILIATION
 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 SCHWENCER, A. Licensing Branch 2

SEE RPI

SUBJECT: Forwards Qualification Fire Test of Protective Envelope Sys, per License Condition 7. Results show adequacy of tested wrapping matl of as-installed 1-h cable wrap configuration.

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Note: Limited Dist.

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Pennsylvania Power & Light Company

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Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215 / 770-5381

AUG 25 1982

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Project Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
FIRE PROTECTION-LICENSE CONDITION NO. 7
ER 100450 FILE 841-2, 143
PLA-1250

Docket No. 50-387

Dear Mr. Schwencer:

This letter and the attached test report is provided in response to License Condition No. 7. Pennsylvania Power & Light Company has conducted an ASTM E-119 test of the as-installed one hour cable wrap configuration at Southwest Research Institute test facilities. Testing was conducted in accordance with Pennsylvania Power & Light Company Specification No. F1001 with the exception of deviations as noted in the test report.

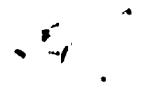
In order to complete the test program by a date supportive of our schedule to satisfy NRC requirements, the main test set up was tested when the sample had cured for thirteen days rather than the 30 days curing recommended by the manufacturer. We believe the shortened curing time did not influence the results of the testing of the Susquehanna specific configurations.

Circuit integrity of all monitored cables remained intact throughout the fire endurance portion of the test. There were no short circuits and there was no loss of continuity in any of the circuit-to-system monitored cables. However, during the hose stream portion of the test, circuit-to-circuit integrity was lost in several monitored instrumentation cables. The failed instrumentation cables were in air drops and a ladder type cable tray. It should, however, be noted that neither of the failed configurations exist for instrumentation cable at Susquehanna SES in areas where the tested fire resistive wrapping material is utilized.

Attached is Southwest Research Institute Test Report No. 01-7163. We believe the test results demonstrate the adequacy of the tested wrapping material for

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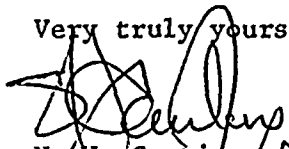
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ER 100450 File 841-2, 143
Mr. A. Schwencer

the application currently employed at Susquehanna SES. We consider the conduct of the subject testing and this submittal sufficient to resolve this license condition.

Very truly yours,



N. W. Curtis *an*
Vice President-Engineering & Construction-Nuclear

WWW/mks

Attachment

cc: R. L. Perch - NRC

