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RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

See RPI

SUBJECT: Forwards TSI,Inc 820603 ltr transmitting results of fire test,Engineering Test Rept 8232-1,Revision 1,in response to NRC questions re documentation provided in util 820513 ltr (SER Item 52).

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

JUN 09 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 - SER ITEM #52
ER 100450 FILE 841-2
PLA-1120

Docket Nos. 50-387
50-388

Dear Mr. Schwencer:

This letter is in response to the staff's questions regarding documentation provided in our letter PLA-1094 dated May 13, 1982. Attached is a letter from TSI dated June 3, 1982 which responds to the staff's question.

Please inform me if additional information is required.

Very truly yours,

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

WWW/mks

Attachment

cc: R. Perch

B002

3 June 1982

RUBIN FELDMAN, P.E.
President

Pennsylvania Power & Light Co.
Two North Ninth Street
Allentown, Pa. 18101

Attention: Mr. Don Kohn
Fire Protection

RE: TSI Technical Note 8232-1 - Engineering Report One Hour ASTM E-119 Fire Simulation Facility Fire Test Followed by a Short Term Water Hose Stream Impact Test on a Class 1E Cable Tray and Air Drop Assembly

TSI Technical Note 8275-1 - Engineering Test Report One Hour ASTM E-119 Fire Simulation Facility Fire Test on a Class 1E Cable Conduit Test Assembly Protected with THERMO-LAG 330-1 Subliming Coating Envelope System

Dear Mr. Kohn:

This will confirm the several telephone conferences we had relating to above subject matter.

The application procedures employed in preparing the test articles used in the above tests follow TSI Technical Note 60281 - THERMO-LAG 330-1 Subliming Material System Application Procedures - First Edition dated March 1981, in effect at that time. The one exception to these procedures taken was in deleting the use of fiberglass armoring.

No photographs were taken during these tests. The photographs shown in the report are typical photographs of like test assemblies. They are included in the report for illustration purposes only.

The photographs depicting the hose stream test are also typical. The intent is to provide the reader with a pictorial representation of the procedures employed. The photographs represent a like test article subjected to a like water hose stream test.

The test furnace for heat resistance depicted in the TSI drawing dated 12 January 1982, included in the report, is an accurate description of the TSI ASTM E119 fire simulation research furnace used in the above referenced tests. The same furnace was used in other fire simulation tests, reports of which were previously submitted to you. The date shown on the drawing is merely a redraft date.

We noted a typographical error in TSI Technical Note 8275-1, page iii; seven lines from the bottom of the page reads: CONDUIT - TESTS CONDUCTED 27 APRIL 1982: this should read: CONDUIT - TESTS CONDUCTED 27 APRIL 1981.

Figure 9 of TSI Technical Note 8232-1 was inadvertently collated from an unrelated report. A correct Figure 9 is included.

The copies of these reports, signed by me including my PE Seal, are also enclosed in this letter.

If you need additional assistance, please contact me.

Very truly yours,

P.E.

Rubin Feldman
President

RF/da

Enclosures