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Ref. # 10 CFR 50.48

May 1, 1998

C. Lance Terry
*Senior Vice President
& Principal Nuclear Officer*

U S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 1
DOCKET NO. 50-445
THERMO-LAG ENCLOSED RACEWAY
(TAC NO. M85536)

REF: TU Electric letter, logged TXX-98098, from Mr. C. L. Terry
to NRC dated April 9, 1998

Via the above referenced letter TU Electric submitted its plan and criteria for an additional fire test. Moreover, via the aforementioned letter, TU Electric itemized the remainder of the upgrades which are in process and will be completed by December 31, 1998.

Subsequently, Mr. T.J Polich of your staff informed TU Electric that the preliminary review by the NRR staff of the test criteria provided in the referenced letter indicated that the criteria are adequate, and the NRC staff believes that TU Electric has resolved their previous comments. In addition, Mr. Polich requested a copy of the test plan for the hot oven insulation resistance testing, and the time and place for both the fire endurance test and insulation resistance testing.

The "draft" test plan for the insulation resistance is attached for your review and comments. TU Electric has not finalized the exact dates of the upcoming fire endurance testing, however; TU Electric commits to performing the insulation test and the fire endurance test by December 31, 1998.

TU Electric will notify the staff via a letter and will provide ample time for the staff to witness the tests, if they so desire.

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COMANCHE PEAK STEAM ELECTRIC STATION
P.O. Box 1002 Glen Rose, Texas 76043-1002

Handwritten initials and date: "V" and "Apr 21"

TXX-98122
Page 2 of 2

Should you have any questions or need additional information, please contact Obaid Bhatti at (254) 897-5839.

Sincerely,

C. L. Terry

C. L. Terry

By: *Roger D. Walker*

Roger D. Walker
Regulatory Affairs Manager

OB:ob
Enclosure

cc: E. W. Merschoff, Region IV
J. I. Tapia, Region IV
T. J. Polich, NRR
Resident Inspectors, CPSES

Test Plan Rev. 0
April 27, 1998

SCOPE

This test plan describes the methods and guidelines to be utilized to determine the Insulation Resistance of an instrumentation cable at elevated temperatures.

OBJECTIVE

The objective of this test is to determine the Insulation Resistance of an instrumentation cable when subjected to elevated temperatures. The results of this test will provide documented evidence that cables will have adequate insulation resistance to ensure instrument accuracy will not be significantly degraded. This test will be performed to the requirements of this Test Plan.

RESPONSIBILITIES

Texas Utilities Electric (TU Electric) will:

- Establish criteria and guidelines to govern the installation of test items.
- Prepare the test assembly and provide all required test equipment.
- Provide instrumentation cable representative of CPSES Unit 1 installation.
- Conduct the test and document the results in accordance with this test plan.

EQUIPMENT

Blue M oven, model 366, with a Blue M Pro-550 or Pro-350 temperature control system.

Biddle Insulation Resistance tester, model BM25.

IBM personal computer

TEST CONFIGURATION

The test cable is a Rockbestos instrumentation cable (2/C, 16 AWG, shielded twisted pair), which is the type of cable used at Comanche Peak Steam Electric Station.

A minimum of two feet of cable will be placed inside the oven.

The insulation resistance will be measured between the insulated conductors and ground. The cable shield will be utilized as the ground plane.

Where cables enter or exit the oven, suitable insulation will be used to seal the oven penetration.

In order to prepare the cable sample for the test, each end of the cable will have the jacket stripped back. One end of the cable will have the test leads attached to it. The (+) terminal will be attached to one of the conductors and the (-) terminal will be attached to the drain wire. The other end of the cable will have its drain wire cut at the point where it exits the cable jacket. The conductors will be separately wrapped to insulate them from each other.

The temperature profile for the oven will be established during the fire endurance test for scheme 1/3. A bounding temperature profile will be programmed into the temperature control system.

During the 60 minute hot gas test, the insulation resistance will be measured a minimum of three times, at approximately 20, 40 and 60 minutes.

TEST REPORT

The Electrical Engineer will assemble the final test report, containing the test results and data collected.

The test report shall be prepared in sufficient detail to summarize the total testing activity. The report shall include as a minimum:

- Date of the test.
- Location of the test.
- Description of the test equipment and test articles.
- Calibration documentation for equipment.
- Test Plan used.
- Temperature profile utilized.
- Insulation resistance values verse time.
- All raw data.

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

July 7, 1999

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 99-362
SS&L/BAG R0
Docket Nos. 50-281
License Nos. DPR -37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 2
COMPLETION OF THERMO-LAG 330-1 CORRECTIVE ACTIONS

In a December 18, 1997 letter (Serial No. 97-697), Virginia Electric and Power Company committed to take specific corrective actions with regard to Thermo-Lag 330-1 radiant energy shields for Surry Power Station. These corrective actions were incorporated into Confirmatory Orders Modifying Licenses as a requirement for Surry Power Station on July 9, 1998. The corrective actions identified in the 1997 letter and the requirements of the Confirmatory Orders were completed during the last refueling outage for Surry Unit 2 which ended in May 1999. Virginia Electric and Power Company letter dated February 1, 1999 (Serial No. 99-011) documented the completion of these actions for Surry Unit 1.

If you have any further questions, please contact us.

Very truly yours,



E. S. Grecheck
Site Vice President

Commitments made in this letter:

1. None

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cc: U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth Street, SW
Suite 23T85
Atlanta, Georgia 30303

Mr. R. A. Musser
NRC Senior Resident Inspector
Surry Power Station