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FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Provides justification for continued operation & qualification info for safety evaluation Category II A Items 35,59 & 101,in response to NRC 821213 ltr re environ qualification of safety-related equipment.Withheld.

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P.O. BOX 14000, JUNO BEACH, FL 33408

FLORIDA POWER & LIGHT COMPANY

February 1, 1983
L-83-47

Office of Nuclear Reactor Regulations
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Varga:

Re: Turkey Point Units No. 3 & 4
Docket Nos. 50-250 and 50-251
Environmental Qualification SER

In response to your letter of December 13, 1982, regarding environmental qualification of safety related electrical equipment, Florida Power & Light has conducted a review of Technical Evaluation Reports that were prepared by the Franklin Research Center. With the exception of the three component items listed below, our review indicates that FPL has previously transmitted justification for continued operation for all of the equipment identified in the Technical Evaluation Report. We therefore reaffirm that these previously submitted justifications for continued operation will apply to the component items listed in the Franklin Research Center reports. This is in accord with the conclusions reached by Franklin Research Center identified in Appendix D of their report.

For the Safety Evaluation Category II A items number 35, 59 and 101, we are herein providing a justification for continued operation for item 35 and additional qualification information regarding items 59 and 101 that we believe shows that these last two are qualified:

Item 35: Pyco RTD Model 12240300448 GS

The test specimen was preaged prior to the LOCA test to 120°C for 7 days. Conservatively assuming that for each 10°C decrease in temperature the life doubles, the test demonstrates that the equipment would last for 2.63 years in the less than 50°C ambient temperature of the containment building. Since publication of the Pyco qualification test report, Pyco has amended the part numbering system used for their RTDs. The digit, "1", was added to designate nuclear equipment. Pyco states that RTDs tested as P/N 22-4030 are identical to P/N 122-4030.

Presently Pyco is retesting these RTDs more rigorously with respect to aging. The RTDs were installed in December 1981. The results of the additional testing will be available in March 1983. At that time the RTDs will have reached only one-half of their present qualified life. This provides us with a large enough margin to make a decision based on the new test information as to replacement or continued use of the Pyco RTD.

PAD1 3/3

Item 59: Technology of Energy Corp. Acoustic Monitor
Model E2273A (sensor)/500 (Charge Converter)

Enclosed is a TEC letter dated March 23, 1983 recommending that TEC Model 160 Transient Shield be installed to protect the Model 500 Charge Converter from direct steam impingement. The 160 Transient Shield has been installed on Unit 3 and is being installed on Unit 4 at this time. The enclosed TEC qualification test report 517-TR-03 Rev. 2 provides evidence that the TEC Acoustic Monitor system is qualified and will not fail due to environmental conditions.

Item 101: Rockbestos Cable Model Firewall III

Enclosed is a 10/23/81 letter from Rockbestos indicating that the test results are applicable to the item in question. This information was provided in our submittal dated September 24, 1982 in response to request 4C.

The TEC Qualification test report 517-TR-03 Rev. 3 is proprietary information and we request that it be exempt from public disclosure. Certification of the proprietary nature of above listed information will be included in our response described in L-83-23 (January 20, 1983).

If you or your staff have any questions regarding the above information, please contact us.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/JES/cab

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire
PNS-LI-83-066-1

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