

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

February 23, 1983

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

Serial No. 085
PSE/JEW:neh
Docket Nos.: 50-280
50-281
License Nos.: DPR-32
DPR-37

Gentlemen:

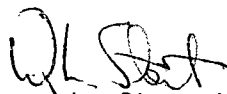
TECHNICAL EVALUATION REPORTS
ENVIRONMENTAL QUALIFICATION OF SAFETY RELATED ELECTRICAL EQUIPMENT
SURRY POWER STATION UNITS 1 AND 2

In a letter dated January 26, 1983, the NRC transmitted to Vepco the Safety Evaluation Report for the Environmental Qualification of Safety-Related Electrical Equipment at Surry Power Station, Unit Nos. 1 and 2. This letter requested that Vepco reaffirm the justification for continued operation within thirty (30) days of receipt of the letter and submit information for NRC categories I.B., II.A and II.B (as presented in The Franklin Research Center Technical Evaluation Report - TER) for which justification for continued operation was not previously submitted.

Further, in a telephone conversation with Mr. J. D. Neighbors, the NRC Project Manager for Surry Power Station, Vepco was requested to provide justification for continued operation for equipment in NRC Category II.B (TER) by February 23, 1983. Attachments 1 and 2 provide the justifications for continued operations requested by Mr. Neighbors.

A response to the January 26, 1983 letter, with regard to justifications for continued operations, will be provided by March 9, 1983.

Very truly yours,


W. L. Stewart

Attachment 1: Unit 1 Response
Attachment 2: Unit 2 Response

cc: Mr. James P. O'Reilly
Regional Administrator
Region II


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SURRY POWER STATION
UNIT 1 RESPONSE
JUSTIFICATION FOR CONTINUED OPERATIONS

Category II.B of The Franklin Research Center TER identified equipment that is not qualified (items 4 and 18). The following addresses justification for continued operation for these equipment items:

- A. Equipment Item 4 is identified as RCS wide range pressure transmitters, mark numbers:

PT-RC-1402-1
PT-1402

Justification For Continued Operation

RCS, wide range pressure transmitters provide pressure indication input for use in heatup and cooldown and provides input to the subcooling monitor. It has no safety functions. If the RCS wide range pressure transmitters fail, input from the RCS narrow range pressure transmitters can provide the necessary input to the subcooling monitor. Additionally, there is a redundant wide range pressure channel with indication at the remote monitoring panel.

On the basis of the above, it is concluded that continued operation of the plant will have no effect on safety.

- B. Equipment Item 18 is identified as Steam Generator wide range level transmitters, mark numbers:

LT-1477
LT-1487
LT-1497

Justification For Continued Operation

The station emergency procedures require establishment of a water level in at least one (1) steam generator by indication in the narrow range or the wide range level transmitter span. The wide range channel provides no safety function; it is used primarily for filling and draining of the steam generators. A redundant set of environmentally qualified instrumentation (narrow range level transmitters) exists to provide the required indication.

On the basis of the above, it is concluded that continued operation of the plant will have no effect on safety.

SURRY POWER STATION
UNIT 2 RESPONSE
JUSTIFICATION FOR CONTINUED OPERATIONS

Category II.B of The Franklin Research Center TER identified equipment that is not qualified (items 2 and 16). The following addresses justifications for continued operation for these equipment items:

- A. Equipment Item 2 is identified as RCS wide range pressure transmitters, mark numbers:

PT-RC-2402-1
PT-2402

Justification For Continued Operation

RCS wide range pressure transmitters provide pressure indication input for use in heatup and cooldown and provides input to the subcooling monitor. It has no safety function. If the RCS wide range pressure transmitters fail, input from the RCS narrow range pressure transmitters can provide the necessary input to the subcooling monitor. Additionally, there is a redundant wide range pressure channel with indication at the remote monitoring panel.

On the basis of the above, it is concluded that continued operation of the plant will have no effect on safety.

- B. Equipment Item 16 is identified as Steam Generator wide range level transmitters, mark numbers:

LT-2477
LT-2487
LT-2497

Justification For Continued Operation

The station emergency procedures require establishment of a water level in at least one (1) steam generator by indication in the narrow range or the wide range level transmitter span. The wide range channel provides no safety function; it is used primarily for filling and draining of the steam generators. A redundant set of environmentally qualified instrumentation (narrow range level transmitters) exists to provide the required indication.

On the basis of the above, it is concluded that continued operation of the plant will have no effect on safety.