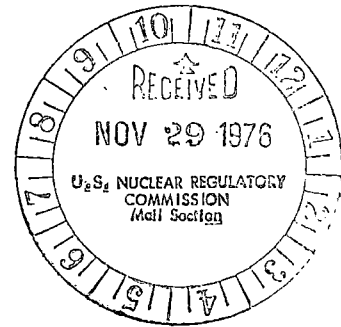


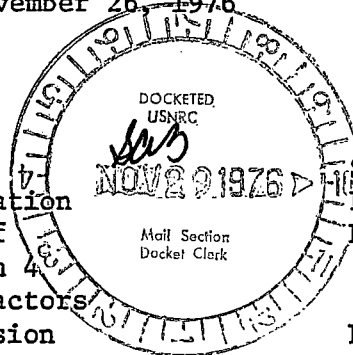
VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261



November 26, 1976

Regulatory

File C-7



Mr. Benard C. Rusche, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. Robert W. Reid, Chief  
Operating Reactors Branch 4  
Division of Operating Reactors  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 344  
FR/EJL:cjw  
Docket Nos. 50-280  
50-281  
License Nos. DPR-32  
DPR-37

Dear Mr. Rusche:

AMENDMENT TO OPERATING LICENSE DPR-32 AND DPR-37  
SUPPLEMENTAL INFORMATION TO TECHNICAL SPECIFICATIONS CHANGE NO. 47  
SURRY POWER STATION - UNIT NOS. 1 AND 2

In reply to Mr. N. Anderson's verbal request of November 13, 1976, transmitted herewith as Attachment 1 are our responses to questions 2a through 2d that were contained in Mr. R. W. Reid's letter of April 30, 1976. The questions were originally asked and answered in connection with the Surry 2 Cycle 3 reload core. The attached responses, as requested by Mr. Anderson, apply to the Surry 1 Cycle 4 reload core.

Should you have any additional questions or comments, we would be most happy to meet with you at your earliest convenience.

Very truly yours,

C. M. Stallings  
Vice President-Power Supply  
and Production Operations

Attachment

cc: Mr. Norman C. Moseley

12057

ATTACHMENT 1

### 2.0.a Question

Provide a list and briefly describe each physics startup test to be performed for the Cycle 3 reload. Also provide the acceptance criterion for each test and discuss how the measured parameter(s) relates to the values used in the accident analysis.

### Response

The response to this question for Surry 1 Cycle 4 operation is the same as that given in the letter from Mr. C. M. Stallings to Mr. B. C. Rusche dated May 14, 1976, serial number 017/043073, with the exception that several additional incore flux maps will be taken so that sufficient data will be available to allow the development of the APDM constants that might potentially be needed for the surveillance of the heat flux hot channel factor,  $F_Q(Z)$ , as detailed in proposed Change No. 47 to the Technical Specifications Section 3.12.B.2.b (and associated Basis).

2.0.b. Question

Describe in detail the bank worth tests, the maximum deviations from calculated values expected, the criteria used for determining these maximum deviations, and the procedures to be followed if these deviations are exceeded.

Response

The response to this question for Surry 1 Cycle 4 operation is the same as that given in the letter from Mr. C. M. Stallings to Mr. B. C. Rusche dated May 14, 1976, serial number 017/043073.

2.0.c. Question

State your schedule for submitting to NRC a brief summary report of physics startup tests. This report should include both measured and predicted values. If the difference between the measured and predicted value exceed the acceptance criterion, the report should discuss the actions that were taken and justify the adequacy of these actions.

Response

The response to this question for Surry 1 Cycle 4 operation is the same as that given in the letter from Mr. C. M. Stallings to Mr. B. C. Rusche dated May 14, 1976, serial number 017/043073.

2.0.d. Question

Analyze the effect on the startup power distribution of a postulated inadvertent loading of a high-enrichment assembly into an incorrect position. Describe how such a postulated misloading will be detected by the incore detector system. If the effect is not detectable analyze the effect of the misload assembly on core performance, power distribution, and MDNBR.

Response

The response to this question for Surry 1 Cycle 4 operation is the same as that given in the letter from Mr. C. M. Stallings to Mr. B. C. Rusche dated May 14, 1976, serial number 017/043073.