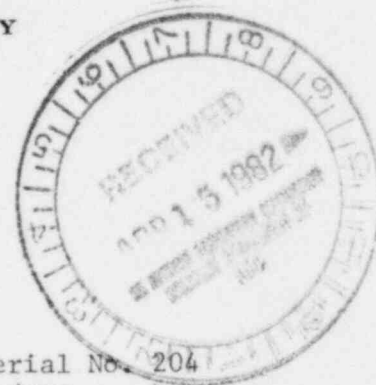


VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

April 8, 1982



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. Robert A. Clark, Chief
Operating Reactors Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 204
FR/CTS: ceb
Docket No.: 50-339
License No. NPF-7

Dear Mr. Denton:

NORTH ANNA POWER STATION
STARTUP PHYSICS TESTING PROGRAM FOR UNIT 2, CYCLE 2

Our plans for the startup physics testing program for North Anna Unit 2, Cycle 2 were identified to you in our letter dated March 8, 1982 (Serial No. 131). This letter stated that, unless otherwise indicated, the scope of the startup physics testing program would be consistent with documentation provided in the Vepco Topical Report VEP-FRD-36A, "Control Rod Reactivity Worth Determination by the Rod Swap Technique." Since the issuance of that letter, we have completed a review of our hot zero power physics testing program. As a result of that review, it has become apparent that certain physics tests in our program are now considered to be extraneous, and can be deleted from the startup physics testing program.

Specifically, we have reassessed the need to obtain a rodged M/D flux map and to measure the isothermal temperature coefficient with the reference bank inserted. The Vepco nuclear design and safety analysis staffs have indicated that no need exists for performing the rodged M/D flux map measurement as long as the results of the unrodged M/D flux map evaluation and the results of the control rod bank worth measurements are satisfactory. Additionally, they have indicated that as long as the result of the unrodged isothermal temperature coefficient test is satisfactory, no need exists for performing the rodged isothermal temperature coefficient measurement. Attachment 1 lists the tests in our hot zero power physics testing program. The acceptability of the results for these tests will be determined by comparing the test results to the established review/acceptance criteria for these tests. Should a violation of these criteria occur, we will take the appropriate action, including the commitments listed in VEP-FRD-36A, to ensure that subsequent unit operation will be in complete compliance with the limitations of the Technical Specifications. This has been reviewed by the North Anna Power Station Nuclear Safety and Operating Committee and the Vepco Safety Evaluation and Control staff.

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Mr. Harold E. Denton

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Finally, this material has been discussed recently on several occasions with Mr. Leon Eagle and Mrs. Margaret Chatterton of your staff. Based on these conversations, it is our understanding that they have no specific objection to our proposed course of action as stated above. However, should you or your staff require additional information on this topic, please contact us at your earliest opportunity.

Very truly yours,


R. H. Leasburg

cc: Mr. James P. O'Reilly, Regional Administrator
Office of Inspection and Enforcement
Region II

ATTACHMENT 1

HOT ZERO POWER PHYSICS TESTING PROGRAM

Reactivity Computer Checkout

Boron Endpoint - ARO

Temperature Coefficient - ARO

M/D Flux Map - ARO

Reference Bank Worth

Boron Endpoint - Reference Bank In

Control Rod Bank Worths (Control and Shutdown - Rod Swap)