

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

June 28, 1982

Mr. H. 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. 369
FR/CTS:ceb
Docket No.: 50-339
License No.: NPF-7

Dear Sir:

NORTH ANNA POWER STATION
UNIT 2, CYCLE 2 STARTUP PHYSICS ROD SWAP RESULTS

In our letter to you dated January 16, 1982 (Serial No. 023), we stated our intention to submit a test results summary report to the NRC within 45 days after the first use of rod swap for each unit. The control rod reactivity worth testing, using the rod swap technique, was completed on June 3, 1982 for North Anna Unit 2, Cycle 2. Attachment 1 summarizes the measured rod swap test results, and shows that all measured values, except Shutdown Bank B, were within the established review criteria. The deviation for Shutdown Bank B was reviewed with respect to the licensing bases. As a result of this review, it was concluded that the deviation did not exceed the bounds of the licensing bases nor did it represent an unreviewed safety issue. The sum of the individual rod bank worths was measured to be within 1.2% of the design prediction. This is well within the design tolerance of $\pm 10\%$ for the sum of the individual control rod bank worths.

Should you have any questions on these test results, do not hesitate to contact us.

Very truly yours,

R. H. Leasburg
R. H. Leasburg

A001

Attachment

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

8207020341 820628
PDR ADDCK 05000339
P PDR

ATTACHMENT 1

NORTH ANNA UNIT 2, CYCLE 2 MEASURED ROD SWAP REACTIVITY WORTH

Reference Bank -----	Measured Worth (pcm) -----	Predicted Worth (pcm) -----	Difference -----	Review Criterion -----
B	1295	1302	-0.5%	±10%

Test Bank -----	Measured Worth (pcm) -----	Predicted Worth (pcm) -----	Difference -----	Review Criteria -----
D	1015	1008	0.7%	±15%
C	757	692	9.4%	±15%
A	812	908	-10.6%	±15%
SB	664	549	115 pcm	±100 pcm
SA	948	966	-1.9%	±15%
Total	5491	5425	1.2%	±10%