

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

January 29, 1987

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 86-698
E&C/RCA/jmj
Docket Nos. 50-280
50-281
50-338
50-339
License Nos. DPR-32
DPR-37
NPF-4
NPF-7

Gentlemen:


VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
NORTH ANNA POWER STATION UNITS 1 AND 2
QUALIFICATION OF THE WRB-1 CHF CORRELATION IN
THE VIRGINIA POWER COBRA CODE

Enclosed for your review and approval is the Virginia Power Topical Report VEP-NE-3, "Qualification of the WRB-1 CHF Correlation in the Virginia Power COBRA Code." This report documents the data analyses which we have performed in order to qualify the WRB-1 correlation for DNBR analysis.

The WRB-1 correlation will replace the W-3 correlation which has previously been used in DNBR analyses. WRB-1 is currently being used in licensing analyses by Westinghouse in conjunction with the THINC code. Our planned applications will be in reload analyses and in our Statistical DNBR Evaluation Methodology as documented in VEP-NE-2.

The report has been reviewed by our Nuclear Engineering and Safety Evaluation and Control staff. A voucher check in the amount of \$150 is enclosed as an application fee. If you have any questions on the material in this topical report, please contact us.

Very truly yours,


W. L. Stewart

Enclosures

1. VEP-NE-3, "Qualification of the WRB-1 CHF Correlation in the Virginia Power COBRA Code"
2. Voucher Check

8702050348 870129
PDR ADOCK 05000280
P PDR

Rec'd w/ check \$150.00

A001
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cc: U. S. Nuclear Regulatory Commission
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Mr. W. E. Holland
NRC Senior Resident Inspector
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Mr. J. L. Caldwell
NRC Senior Resident Inspector
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